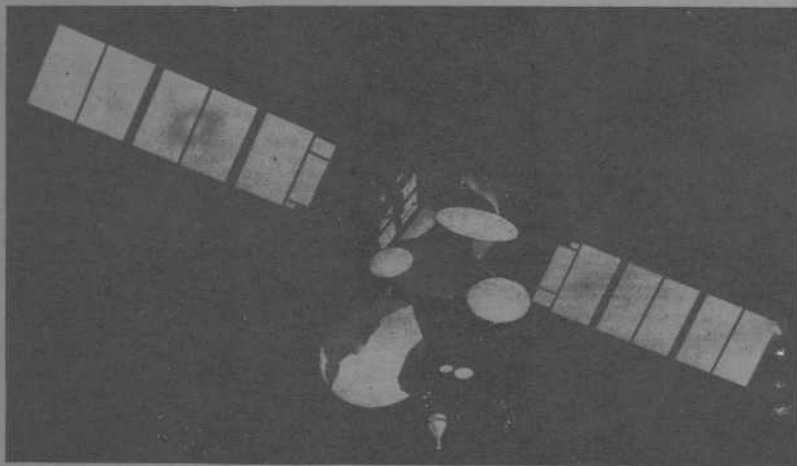


# Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

OCTOBER 1991

## SATELLITE NEWS'



ANNUAL REVIEW  
OF VIDEO  
SERVICES



WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, N.Y. 14205-0514-U.S.A.

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first class mail

**YOUR MEMBERSHIP  
EXPIRES NEXT MO.!**

**DUES STILL ONLY \$17/YR.**

11/91

WILLIAM N NOLLMAN  
35 NYE ROAD  
GLASTONBURY CT 06033

# Video



91  
CONFERENCE

## Profile

45 MINUTES FILLED WITH HIGHLIGHTS OF THE 1991 WTFDA CONVENTION IN DUNKIRK, NEW YORK. IF YOU WERE THERE, YOU'LL WANT A COPY! IF YOU'VE NEVER ATTENDED A WTFDA GET-TOGETHER, YOU'LL BE ABLE TO SAMPLE THE ATMOSPHERE OF THIS ANNUAL EVENT!

MEET 30 OF YOUR FELLOW DXers AS THEY PASS ALONG PERSONAL GREETINGS!

GREAT FOR A DXer CHRISTMAS GIFT!

SEEING IS BELIEVING!



TO ORDER, SEND \$6.00 (U.S.) TO: TOM BRYANT, 849 TODD PREIS DRIVE, NASHVILLE, TN 37221. (Specify VHS or Beta.) Cost includes a new cassette and first class return postage.

ORDER NOW...BEFORE YOU FORGET!

## QSL CORNER & LOGOS RUN

Thomas J. Yim, Jr. KA3TCC, 221 Pinewood Road, Baltimore, MD 21222-2340

QSLs items from Hank Holbrook and Robert Ross so here goes.

- MD WDIH 90.3 Salisbury, P. O. Box 186, zip 21801. Letter from Rev. Dr. George A. Copeland, with reply in 8 months after one follow-up report. 380 watts. (Holbrook)
- DE WXPZ 101.3 Millford, P. O. Box 555, zip 19963. Letter from Bill Sammons, Jr. General Manager reply in 20 days as Delaware first Christian station, id's as Praise 101.3 FM (Holbrook)
- PA WXPN 88.5 Philadelphia, % University of PA, 3905 Spruce St, zip 19104. Letter & bumper stickers from Scott D. Fowler, Tech. Dir. in 20 days. (Holbrook)
- FL WGLF 104.1 Tallahassee, Box 1815, zip 32302. (PFC = Prepared File Card for QSL Purposes) PFC back in 2 weeks signed by Bill Marriott. (Ross)
- PA WMXE 103.7 Erie, Box 1184, zip 16512. PRC in 3 weeks from an unreadable, Program Director. (Ross)
- FL WNFB 94.3 Lake City, Box 3299, zip 32056-3299. PRC in 2 weeks from Dean Blackwell. (Ross)
- PA WFRJ 88.9 Johnstown, % 290 Hegenberger Rd., Oakland, CA 94621 (Family Radio Hq's), PFC & letter in 3 weeks from P.M.Zaiman (?) (Ross)
- ME 2 WLBZ, Bangor, Box 934, zip 04401. PFC & letter from Jim Chadwick, CE in 2 weeks. (Ross)
- GA WGPC 104.5 Albany, 2011 Gillionville Rd., zip 31707. PRC in 3 weeks from L. M. George, President. (Ross)
- LA KDEA 99.1 New Iberia, Box 12948, zip 70562-2948. PFC & letter in month from Rick Morel, CE. (Ross)
- ONT CJFT 101.1 Fort Erie, Box 530, L2A 5V1. PFC in 2 weeks from William McDougall. (Ross)
- GA WGNP 90.7 Albany, % Box 338, Valdosta, GA 31803. PFC in weeks from William J. Tidwell. (Ross)
- MN KCRB 88.5 Bemidji, Box 578, zip 56601. New state call'd # 33 on FM. PFC & letter in 2 weeks from Marilyn Huber, Station Manager. (Ross)
- FL WOLZ 95.3 Fort Myers, 4210 Metro Parkway # 315, zip 33916. PFC in 2 weeks from Kevin Pierce, GM. (Ross)
- FL WDFL 108.1 Cross City, Box 2220, zip 32828. PFC & card in 1 month from Gil Gilmore, KB4EY, Mgr. (Ross)
- GA WCHY 94.1 Savannah, Box 1247, zip 31402. PFC & sticker from Martin Foglio, jr. CE (Ross)
- MN KBEM 88.5 Minneapolis, 1555 James Ave., zip 55411-3197. PFC & letter in 3 weeks from Wayne A. Selly, Tech. Supervisor. (Ross)
- FL WMGF 107.7 Mount Dora, % 2001 N. Mercy Dr., Orlando, FL 32808. PFC & business card in 3 weeks from Dennis Sloatman, Tech. Dir.



We're your station!



Hope everyone who attended the 1991 WTFDA Convention at Dunkirk New York had as great a time as I had. Thanks again the this years host Bob Seybold. The first 2 DX fotos are from Dave Nieman - Akron, NY

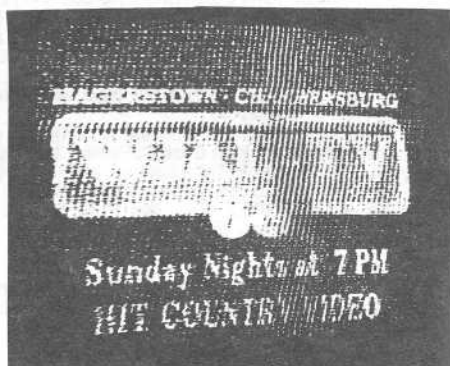


W53AM

Utica New York  
 156 mile tropo  
 seen May 13, 1991

at 0846 ET

Thanks to Western TV-DX editor Fred McCormack for letting me know the location & call as W69CE Towanda, PA, for my mystery channel 69 repeater of WNEP-16 Scranton, PA. Dave



WJAL-68

Hagerstown, Maryland  
 215 mile tropo  
 seen May 15, 1991

at 0900 ET

**NEW REPORTER** is Robert Kramer - Chicago, IL DX equipment: 1978 RCA 19" b&w, 1982 Sony 19" color set and Mitsubishi FXV stereo VCR. Antennas:(VHF) Archer V-185 at 56', (UHF) Archer U-120 at 60' with CDE heavy duty rotor, three (3) Radio Shack adjustable amplifiers, traps & attenuators. Photo equipment: Ricoh XRM 35mm SLR (has setting to sync with TV pictures, eliminating the bar usually present in most SLRs) loaded with Kodak T-Max 400 film and mounted on a Bogan professional tripod, using an electronic cable release. (nice meeting you Bob at the WTFDA Convention djn)

**KYIN 24 Mason City**  
 Effective Radiated Power:  
 1,734,000 Watts Visual  
 173,200 Watts Aural  
 Translators:  
 K14AE, 14, Decorah  
 K41AD, 41, Lansing

KYIN-24

Mason City, Iowa  
 307 mile tropo  
 seen May 29, 1991  
 at 0000 CDT

more from Bob on the next page....

Robert Kramer continued....

**KIMT-3**  
 Mason City, Iowa  
 307 mile tropo  
 seen July 7, 1991  
 at 0030 CDT



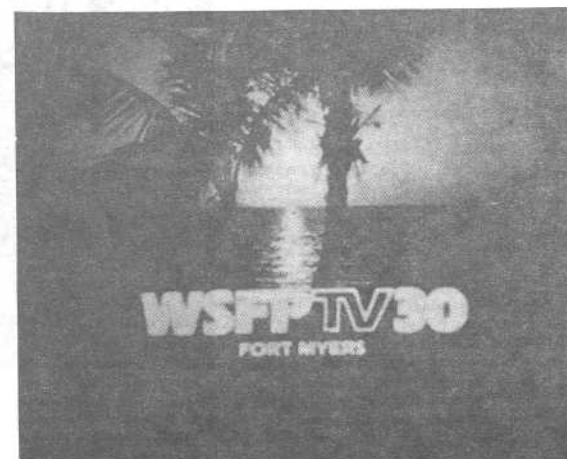
Tranks Robert, hope to see more from you.

**NEW REPORTER** is Chris Dunne - Pembroke Pines, FL "I have no great VHF or UHF TV antenna, but the Archer FM does quite well for VHF in my opinion. I have a second Archer (FM djn) for DXpeditions. I only have a simple bowtie antenna for U's." Photo equipment: Canon Sure Shot loaded with Kodak ASA 100 film.

**TELE REBELDE-13**  
 Matanzas, Cuba  
 (1988 edition WRTVH verified djn)  
 210 mile tropo  
 seen earlier 1991  
 at 2345 EST



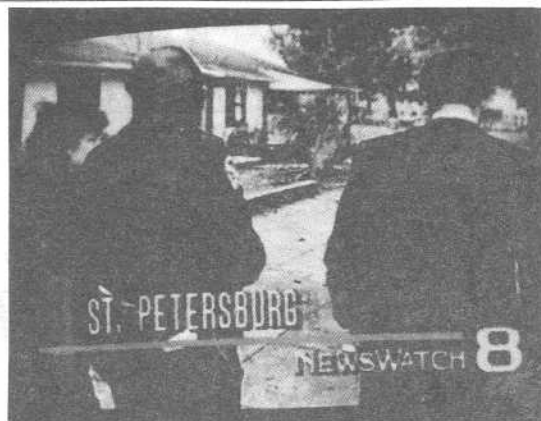
**WSFP-30**  
 Ft. Myers, Florida  
 100 mile tropo  
 seen Mar. 19, 1991



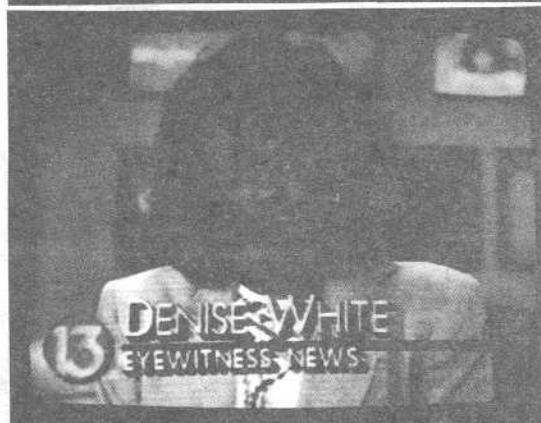
more from Chris on the next page.

Chris Dunne continued....

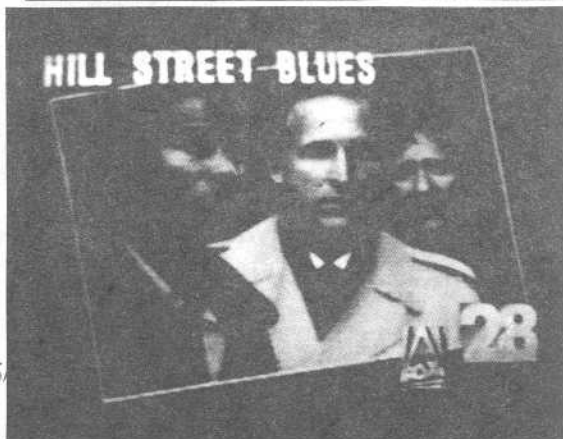
WFLA-8  
Tampa, Florida  
170 mile tropo  
seen Mar. 19, 1991



WTVT-13  
Tampa, Florida  
170 mile tropo  
seen Mar. 19, 1991



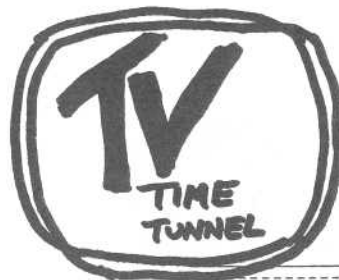
WFTS-28  
Tampa, Florida  
170 mile tropo  
seen Mar. 19, 1991



Thanks Chris, hope to see more from your southeast Florida location.

Next month we'll have some 1991 WTFD Convention photos. So if one of convention attendees out their has a group shot they could send in please do so. It will be returned.

Till next time. DAVE



**WANTED** - Crisp, high-contrast pictures (or photocopies) of old test patterns and ID's. Prefer to get material from stations which have changed call letters or channel; or no longer exist. Any material submitted will be returned upon request. The 'PATTERNS' column several months ago proved to be popular; thus the request for more material in that area.

Submitted by Tom Bryant  
849 Todd Preis Dr.  
Nashville, TN 37221

### "D O G S"

Unlike Benji, Lassie or Rin-Tin-Tin..these are the 'dogs' of the program departments. Remember (or try to forget, if you prefer) a few less than stellar moments in the history of television.

**A.E.S. HUDSON STREET:** [ABC 3/23/78-4/20/78] This Barney Miller spinoff with an emergency room setting was so bad that the network pulled it before it had even been on for a month. The lead actor was Barney Miller alumnus Gregory Sierra.

**IVAN THE TERRIBLE:** [CBS 8/21/76-9/18/76] This five week summer borschtfest created a great yawn all across television land. It was the story of nine Russians living in a small apartment in Moscow. (Maybe they should try this one again...it might just fly, considering the upsurge in American interest in the USSR.)

**THE MARY MARGARET McBRIDE SHOW:** [NBC 9/21/48-12/14/48] Many early tv entertainers were transplants from radio. As is sometimes the case with transplants...this one didn't take; and suffered from massive audience rejection. WCBS must have loved this 13 week cur which starred the well known radio interview show hostess.

**YOUNG DAN'L BOONE:** [CBS 9/12/77-10/4/77] This mongrel only made it for four episodes! Lead actor (you hardly get to be a STAR in 4 episodes) was Rick Moses. Don't confuse this one with 'DANIEL BOONE'..a successful venture that ran for six seasons on NBC. So much for coonskin calamities!

**YOURS FOR A SONG:** [ABC prime time 11/14/61-9/18/62; daytime 12/61-3/6] Although this fleebag lasted longer than the shows previously mentioned, it merited mention by virtue of the fact that it was hosted by Bert Perke. The 'Miss America' crooner sang parts of songs to contestants who had to supply the missing lyrics to win the bucks. That's enough to make any mutt howl!

**OZMOE:** [ABC 3/6/51-4/12/51] Don't remember it? Lucky you! This dog's breakfast was a twice-weekly puppet show featuring a monkey named Ozmo, a leprechaun named Rhodo Dhon't, a mermaid called Misty Waters (sounds X-rated to me); along with Poe the Crow, Sam the Clam, Horatio the caterpillar, and Throckmorton the sea serpent. Wow...what a lineup!

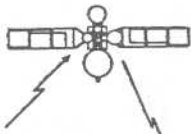
**JOE GARAGIOLA'S MEMORY GAME:** [NBC 2/15/71-7/30/71] The 'Peacock Network' never seemed to stop hunting for places to use Garagiola. The sports pro turned broadcaster popped up on several talk and game shows throughout his NBC career. This daytime brain-buster apparently ran out of grey matter in a hurry!

**THE DON HO SHOW:** [ABC 10/25/76-3/4/77] No matter how entranced tourists became with the music of Hawaii; the steel guitars and lilting rhythms of luau-land never washed up any ratings on Arbitron Beach. The host, Don Ho, was well known in the Islands; and had been featured for years on the Mutual Radio Network show "Hawaii Calls".

**NEXT MONTH:** Photo Feature/early WCAU-tv



# SATELLITE NEWS



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

And now the final of the yearly reviews of services. This time - the video services. I have kept this till last owing to the many satellite switches coming soon, but there is some limit as to how long I can wait...so here goes.... All of this is as of early August 1991.....

Satcom C-5 (Aurora 2) 139 West (the first # will always be the transponder/channel)

- 7 - NBC feed - usually in the clear
- 24 - Alaska Satellite TV

Satcom C-1 137 West

- 7 - Prime Ticket - Los Angeles VC2
- 10 - HSE - Home Sports Entertainment VC2
- 17 - Prime Network (temporary) VC2
- 20 - Pacific Sports Network VC2
- 22 - Pacific Sports Northwest VC2  
Cal-Span Days
- 24 - Sun Network VC2

Galaxy 1 133 West

- 1 - Comedy Central - East
- 2 - Nashville Network VC2
- 3 - WGN - Ch. 9 - Chicago, Illinois VC2
- 4 - Disney - east VC2
- 5 - Showtime - East VC2
- 6 - Shop-At-Home occ.  
ESPN Blackout Channel VC2
- 7 - CNN - Cable News Network VC2
- 8 - CNN Headline News VC2
- 9 - E.S.P.N. - VC2
- 10 - The Movie Channel East VC2
- 11 - The Family Channel - East VC2
- 12 - Arts and Entertainment VC2
- 13 - Country Music Television
- 14 - The Movie Channel - West VC2
- 15 - WWOR - Ch. 9 Secaucus, NJ (New York, New York VC2
- 16 - Showtime - West VC2
- 17 - TNT VC2
- 18 - Superstation TBS (WTBS) Ch 17 - Atlanta, Georgia VC2
- 19 - Cinemax - East VC2
- 20 - Galavision
- 21 - USA - East VC2
- 22 - Discovery Channel VC2
- 23 - HBO - East VC2
- 24 - Disney - West VC2

## TBS

## The Disney Channel

# SHOWTIME®

Satcom F-1 - 131 West

- 1 - American Movie Classics VC2
- 2 - The Learning Channel
- 3 - Trinity Broadcasting
- 4 - Request TV Pay-Per-View VC2
- 5 - VISN (religious)
- 6 - C.N.B.C (Business)
- 7 - Univision (Spanish)
- 8 - QVC Shopping Channel
- 9 - The Travel Channel
- 10 - USA West VC2
- 11 - Prime Network (9/91) VC2
- 12 - Court TV
- 13 - HBO West VC2
- 14 - Family Channel West VC2
- 15 - E! Entertainment TV
- 16 - Encore VC2
- 17 - Lifetime West VC2
- 18 - New Inspiration Network
- 19 - open
- 20 - B.E.T - Black Entertainment Network
- 21 - Request TV Pay-Per-View VC2
- 22 - Home Shopping Club 2
- 23 - Cinemax West VC2
- 24 - Bravo VC2 RAI listed here days but I have not seen it

ASC I - 128 West

no video on C-Band at this time, but has been noted in past 6 channels on Ku-Band - have noted 2 TP's using MAC encryption on daily 24 hours. Check for news feeds during busy election periods. They do carry them.

G-Star 4 125 West Ku only

No regularly scheduled audio noted. Feeds predominate ID card moves around.

Telstar 303 - 125 West

- 1 - TVN Cinema 1 VC2
- 2 - TVN Cinema 2 VC2
- 3 - TVN Cinema 3 VC2
- 4 - TVN Cinema 4 VC2
- 5 - TVN Cinema 5 VC2
- 6 - TVN Cinema 6 VC2
- 7 - TVN Cinema 7 VC2
- 8 - TVN Cinema 8 VC2
- 9 - TVN Cinema 9 VC2
- 18 - Fox Network feeds
- 20 - TVN Cinema 10 Vc2
- 23 - Fox Network feeds
- 24 - TVN Promo/Barker Channel

SBS 5 - 123 west Ku only

Primarily feeds and teleconferences - no regularly scheduled video at this time

# ENCORE

HIT MOVIES OF THE '60s, '70s, & '80s

Westar 5 - 122.5 West

- 1 - CNN feeds
  - 2 - Dr. Eugene Scott - University Network (religious)
  - 3 - CNN Headline news feeds
  - 4 - feeds
  - 6 - Caribbean Superstation - occasionally
  - 13 - CTNA - Catholic Telecommunications Network Oak/Orion
  - 16 - SportSouth VC2
  - 17 - feeds
  - 18 - Group W Pittsburgh feeds
  - 20 - Sports Channel Mid-West VC2
- generally other transponders are used for various feeds

Spacenet 1 - 120 West C and Ku bands

- 2 - Univision feeds
  - 3 - PBS C channel feeds VC2
  - 4 - Univision feeds
  - 5 - PBS B Channel feeds VC2
  - 7 - 3 Angels
  - 9 - PBS D Channel feeds VC2
  - 11 - occ Hospital Satellite Network Oak/Orion
  - 15 - QSO Amateur Radio Program - Mondays (moving to S-3??)
  - 17 - US Sat Corp
  - 18 - Feeds
  - 23 - PBS A Channel VC2
- Ku Band is generally used for news feeds - no regular video noted

Anik C-3 - 117.5 West KU only

Used for occasional feeds only - no regularly scheduled video

Morelos 2 - 116.5 West C and Ku

- 2 - occasional feeds
  - 8 - XHGC - Ch. 5 Mexico City, Mexico
  - 9 - video noted - no ID
  - 10 - feeds
  - 11 - Multideporte (Sports channel)
  - 13 - XEIPN - Ch. 11 - Mexico City, Mexico
  - 14 - XEW - Ch 2 Mexico City, Mexico
  - 4 - TNT Latin America with MAC system (from 16)
- NO KU noted here

Morelos 1 - 113.5 West C and Ku

- 2 - XHMT - Imevision Ch. Mexico City, Mexico
  - 5 - feeds MAC
  - 8 - XHDF - ch. 13 - Imevision Mexico City, Mexico
  - 11 - video noted
  - 14 - XHTV - Ch. 4 - Mexico City, Mexico
  - 18 - feeds
  - 21 - XHLQR - Chetumal, Quintana Roo, Mexico (Yucatan)
- No Ku noted here, but others have noted Imevision' on 11.8520

Anik D2 - 110.5 West

- 7 - feeds
- 8 - feeds
- 11 - weather Network
- 12 - CTV feeds Leitch system
- 14 - feeds
- 15 - Vision TV
- 16 - CTV feeds - Leitch System
- 17 - Canal 5 Eurotelle (Quebec relay)
- 19 - feeds
- 20 - Canada Home Shopping Club
- 22 - First Choice - The Movie Network VC2
- 23 - CBC Worldnews Channel Oak/Orion
- 24 - CTV Network - Leitch system

Anik C-2 - 110 West Ku Only

Used primarily for news and other feeds- no regular programming except  
XPDR 30 (using a Uniden receiver) CBC Worldnews Channel

ANIK C-1 107.3 West Ku only - ALL OF THIS REPLACED HOPEFULLY, BY THE TIME YOU READ THIS

- 2 - Musique Plus
- 4 - Atlantic satellite Network
- 6 - Super Ecran VC2
- 10 - Radio Quebec
- 12 - Quatre Saisons Network
- 14 - Canal Famille VC2
- 16 - ROS - French Sports Network VC2
- 18 - TV Ontario - French
- 20 - TV Ontario - English
- 24 - Ontario Legislature
- 26 - YTV
- 28 - Family Channel VC2

G-Star 2 105 West Ku only

Generally used for feeds and teleconferences.  
The Law Education Channel is usually quite active daily

ANIK D1 - 104.5 West

ALL OF THE REPLACED HOPEFULLY, BY THE TIME YOU READ THIS  
BY THE NEW ANIK E1 OR E2

- 2 - The Sports Network - Oak/Orion
- 4 - Global Network Feeds
- 6 - MuchMusic
- 7 - CBC Newfoundland feeds
- 8 - CHCH Ch. 11 Hamilton, Ontario Oak/Orion
- 9 - WDIV - Ch. 4 Detroit Michigan Oak/Orion
- 10 - WXYZ - Ch. 7 Detroit, Michigan Oak/Orion
- 11 - CBC North - Pacific/Yukon feeds
- 14 - CFTM - Montreal Quebec Oak/Orion
- 15 - CBC French Network
- 17 - CBC Newfoundland/Labrador feeds
- 18 - CITV Ch. 13 Edmonton, Alberta Oak/Orion
- 19 - CBC North - Atlantic Service
- 20 - CBMT - Ch. 6 Montreal, Quebec (English)
- 21 - WTVS - Ch. 56 - Detroit, Michigan Oak/Orion
- 22 - CHAN - Ch. gVancouver, British Columbia Oak/Orion
- 23 - WJBK - Ch. 2 - Detroit, Michigan Oak/Orion
- 24 - CBC House of Commons Service



G-Star 1 103 West Ku only

Used primarily for feeds and teleconferences. However  
NTU - The National Technological University used several transponders on a full time basis for educational program.

Spacenet 4 - 101 West C and KU

This was to have been ASC 2, but instead was purchased and renamed. May take the place of rapidly aging westar 4. This could be happening as you read this - if all elements of this hybrid satellite are working.

SBS 6 99 West Ku only

No regularly scheduled services on this bird, but ID card noted and useage for feeds and teleconferences

Westar 4 - 99 West

6 - Shepherd's Chapel/National Christian Network  
9 - Keystone Inspiration Network  
17 - World Harvest Television  
18 - ABC feed  
rest of this satellite is primarily feeds

SBS 1 - 99 West - Inactive

SBS 2 - 97 West - NOT inactive, but in inclined fuel saving orbit.

24 - NBC News Channel  
28 - News Feeds using the Uniden receiver

Telstar 301 - 96 West

2 - CBS feed - VC1 system  
3 - Warner Brothers feeds  
4 - ABC  
6 ABC  
7 - CBS feeds  
9 - Warner Brothers/Paramount/Wold feeds  
10 - ABC  
11 - ABC  
12 - ABC

In general the rest of this bird is for network and syndicated program feeds.

SBS 3 - 95 West Ku only

Mostly MAC Encrypted the old Hi-Net Communications services are here Satellite Cinema and other program services to Holiday Inns. Also CONUS News Channel/American Law Network The latter items are not encrypted.

Galaxy 3 - 93.5 West

2 - Fox National Program  
7 - ACTS Television  
8 - Home Shopping Club  
9 - QVC Shopping Network  
10 - EWTN - religious  
11 - Mind Extention University  
12 - Nu-Star CableVision promos  
13 - Weather Channel VC2  
14 - C-Span II - US Senate  
15 - Video Hits I VH1 VC2  
16 - Viewer's Choice Pay-Per-View VC2  
17 - MTV - East VC2  
18 - MTV West VC2  
19 - Nickelodeon/Nick-At-Night - East VC2  
20 - Lifetime - East VC2  
21 - Viewers' Choice - PPV VC2  
22 - Nickelodeon/Nick-At-Night West VC2  
23 - Comedy Central - West  
24 - C-Span 1 - US House of Representatives

G-Star 3 - 93 West Ku only - In inclined orbit. Used primarily for feeds and teleconferences. Requires N/S movement of dish due to inclination.

Galaxy 6 - 91 West

Feeds everywhere

15 - ID Channel  
21 - Helen Television Service - daily evenings at 7PM Eastern from castris, St. Lucia - West Indies  
23 - Superior Livestock Auction

SBS 4 - 91 West Ku only

Computerland Television Network noted  
Used primarily for feeds and teleconferences. No permanent video noted

Spacenet 3 - 87 West C and Ku

Again on the Ku side - used primarily for feeds and teleconferences

C - see below

2 - Nebraska Public Television  
3 - WSBK - Ch. 38 - Boston, Massachusetts VC2  
4 - nebraska Public Television  
5 - KTVT - Ch. 11 - Dallas, texas VC2  
9 - WPIX - Ch. 11 - New York, New York VC2  
11 - Action Pay-Per-View VC2  
15 - KTLA - Ch. 5 - Los Angeles, California VC2  
16 - has been used by Encore as a barker channel  
19 - Collectors Showcase  
21 - PASS Sports Channel VC2  
23 - Home Team Sports VC2

Telstar 302 - 85 West

A network feed channel primarily for CBS which may be found on transponders 7, 15, 16, 17, 18, 19, 20, 21, 22, generally using the VC1 encryption system. ABC also uses transponders 10 and 11.

Newly reported is the Bikini Dating Party on transponders 1, 13 and 24 using a VC2 system.

RCA K1 - 85 West Ku only

Home of the new Prime Star DBS service using a MAC type of encryption. This takes up most of the transponders. Nothing else has been noted.

Satcom 4 - 82 West

1 - Sports Channel Cincinnati  
2 - Sports Channel Pacific VC2  
3 - Sports Channel America  
4 - Cable Video Store PPV VC2  
5 - Family Network  
6 - Madison Square Garden Network VC2  
7 - Sports Channel New York VC2  
8 - Program Guide  
9 - Sports Channel Chicago  
10 - SportsChannel???  
11 - Sports Channel New York Plus VC2  
12 - International Channel  
13 - New England Sports Network VC2  
14 - Sports Channel Florida  
15 - Shop-At-Home  
16 - Sports Channel Ohio  
17 - Sports Channel Philadelphia  
18 - Spice PPV VC2  
19 - Sports Channel Chicago Plus  
20 - World Monitor Channel  
21 - Nostalgia Channel  
22 - Silent Net/Amer. Disab. Net DAYS/Playboy - Night VC2  
23 - Sports Channel - New England VC2  
24 - Satellite Market USA

Satcom K2 81 West Ku only

Using the Uniden format

2/3 - NBC East

7 NBC West

8 - Cycle Sat News Service

28 - North American Chinese Network

NBC and others feeds vary on other transponders

Galaxy 2 - 74 west

1 - CNN International - leitch system

4 - feeds

5 - CNN New York Feeds

7 - WHP - Ch. 21 harrisburg, pennsylvania for lottery feeds PM's

rest of the satellite is used for horseracing

and other feeds using a multitude of encryption systems

Satcom 2 - 72 West

1 - KUSA Ch. 9 - Denver, Colorado VC2

2 - WBBM Ch. 2 - Chicago, illinois VC2

3 - KMGH - Ch. 7 - Denver, Colorado VC2

4 - WABC - Ch. 7 - New York, New York VC2

5 - NASA feeds

7 - All News Channel VC2

11 - Home Shopping Club Spree

12 - WXIA - Ch. 11 - Atlanta, Georgia VC2

13 - N.A.S.A. / Goddard Space Flight Center etc.

17 - KWGN - Ch. 2 - Denver, Colorado VC2

18 - KRMA - Ch. 6 - Denver, Colorado VC2

20 - International feeds

21 - JISO News Organization feeds to Japan and others

22 - KCNC - Ch. 4 - Denver, Colorado VC2

23 - International feeds

24 - International feeds

Spacenet 2 69 West C and Ku

Ku - Florida News Network

Kentucky ETV Feeds

Tie-In Network

Other feeds and teleconferences noted.

On the C-Band side:

5 - Channel America

7 - Telemundo and others feeds

9 - Telemundo Network

10 - Galavision to Europe (PAL 619 line format)

11 - ESPN International MAC system

17 - Telemundo feeds

19 - KBL Sports Pittsburgh, Pennsylvania VC2

20 - AFRTS - Armed Forces Radio Television Service MAC

21 - WorldNet (USIA)

23 - SCOLA

Brazilsat - 65 West

Nothing noted here due to footprint into Brazil - tho some in S Florida may get flicker off of this with large enough dish and low enough LNB.

Intelsat VA F13 - 53 West

1, 4 and 24 were Argentina aND are now spot beamed to Argentina so I can't give eyewitness reporting of this. The same is true of TV Peru Ch 7 - Lima which is now also spot beamed to Peru.

11 V - Serte Paris etc in NTSC, PAL and SECAM using a West spot

14 - BBC/ITN and others in PAL and NTSC (rarely) WEST or Hemi beam.

15 - NEW - an as yet unidentified Argentine Sports Channel is PAL.

16 - BTI London feed to CBC and US networks usually in NTSC

No video noted on Ku Band

PanAmSat - 45 West C and Ku

C - below

1 - CNN in MAC

15 - CNN feeds in Spanish - Telemundo Univision etc...

10 Possibly ESPN in MAC

2 - Television Nacional de Chile

22 - Panamericana Television - Pantal - Ch. 5 Lima, Peru

23 - ???????? seems to be in MAC

on KU side --

1 - TV Japan - NHK

other feeds may be noted from time to time in NTSC and PAL.

Intelsat V f4 - 34.5 West

24 - using a global beam for news feeds

check SCPC for Greenland Radio - Also operates on an inclined orbit so may be difficult to track

Intelsat VA F 4 27.5 West

2H - Television Spain - InternATIONAL (RTE International)

10 V - Brightstar

11 H - NBC London

14 - ABC London

15 - Worldnet

16 - CBS London

18 - CNN TelAviv

21 - FBIS/CIA - MAC

No Ku noted

Ku is directed to Europe

Intelsat VIA F2 24.5 West

24 - only video seems here in global beam No Ku noted

Intelsat V F2 - 21.5 West

nothing noted here - is in inclined orbit

Intelsat V F6 - 18.5 West

24 - Using global beam for news feeds - not noted recently

Gorizont - 14 West

1 - Program 1 Moscow

6 - Cubavision and others

none of this noted recently

Gorizont - 11 West

Did carry 3 channels

1 of feeds and 2 of national networks

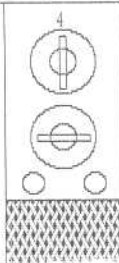
That's all for now folks. Any additions or corrections PLEASE let me know. Next review - next summer. See you in 30 - Till then '73's

*George*



# Television News

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WPMI @ W4HHV, TN



## CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AL	25	1652	354	WHIQ	Huntsville
AL	34	1120	142	WDAU	Ozark
AZ	13	302	622	KOLD-TV	Tucson
CO	50	2498	233	KTDC	Denver
(New TL: 39°43'59"N, 105°14'12"W)					
CO	8	233	728	KTSC	Pueblo
(Probably new TL: Cheyenne Mtn., where KKTU-11 and KRDO-13 are)					
FL	26	2786	304	WAYQ	Daytona Beach
FL	4	100	304	WTVJ	Miami
IL	13	302	302	WCEE	Mount Vernon
IN	34	276	221	WNIT-TV	South Bend
MA	38	2370	354	WSBK-TV	Boston
MI	29	2000	399	WGTU	Traverse City
MO	62	2183	340	KZKC	Kansas City
MO	3	100	339	KTVQ	Kirksville
(Looks like the 2000' tower won't be going back up...)					
MS	19	1611	478	WMAH-TV	Biloxi
MS	30	1600	187	WGBC	Meridian
(New TL: 32°19'34"N, 88°41'12"W)					
NC	4	100	310	WUNC-TV	Chapel Hill
NC	28	5000	585	WPTF-TV	Durham
NC	17	2139	551	WUNE-TV	Linville
(New TL: 36°03'47"N, 81°50'33"W)					
NC	26	5000	504	WUNL-TV	Winston-Salem
NM	7	51.3	1244	KOAT-TV	Albuquerque
NV	2	89.1	656	KTVN	Reno
(another Reno station goes to full ERP/HAAT...)					
OH	16	1500	351	WPTD	Kettering
OR	34	3070	259	KEVU	Eugene
PA	35	1918	284	WYBE	Philadelphia
TX	4	100	399	KDFW-TV	Dallas
TX	51	4683	381	KFXK	Longview
VA	14	2880	173	WTMW	Arlington
(New TL: 38°56'24"N, 77°04'54"W)					
VA	56	1259	215	WNVV	Fairfax
VA	53	2290	230	WNVV	Goldvein
VT	33	1337	20	WETK	Burlington
(Yikes, 20m HAAT? OSHA will never approve!)					
WI	25	560	306	WLAX	LaCrosse

## APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
MA	35	500	258	WWLA	Lewiston
NC	47	12.3	97	WRMY	Rocky Mount
(New TL: 35°57'03"N, 77°55'37"W)					
SC	36	147	233	WCTP	Charleston
(New TL: 32°47'15"N, 79°51'00"W)					

## CONSTRUCTION PERMIT MODIFICATIONS GRANTED

St	Ch	ERP	HAAT	Call	City
FL	58	490	49	WAWD	Ft. Walton Beach
(New TL: 30°23'35"N, 86°29'41"W)					
GA	54	2491	385	WFXG	Augusta
IA	22	883.4	39	KFSC	Waterloo
KY	49	2786	602	WDKA	Paducah
MS	40	4624	142	WBUY	Holly Springs
OH	53	3250	207	WWAT	Chilli-cothe
OR	23	12.4	190	KMTZ	Coos Bay
OR	40	2100	530	KCVF	Portland
PA	53	12.2	222	WILF	Williamsport

(suspect this will be a satellite of WOLF-38 Scranton)

St	Ch	ERP	HAAT	Call	City
RI	69	17.7	38	WOST-TV	Block Island
SD	12	275	259	KIID	Huron
TN	50	4508	239	WPGD	Hendersonville
(New TL: 36°28'04"N, 86°28'51"W)					
TX	29	4070	149	KMPX	Decatur
TX	47	240	178	KTAQ	Greenville
TX	55	3033	303	KLDT	Lake Dallas
UT	16	5000	57	KZAR-TV	Provo

## APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
MS	29	922.6	598	WMPN-TV	Jackson
OH	43	4680	336	WUAB	Lorain
(New TL: 41°22'45"N, 81°43'12"W)					
VA	14	2880	173	WTMW	Arlington

Monroe, GA: WHSG 63z: 03/15/91:  
3396kW, 363/583/845m.  
TL 33°44'22"N, 84°00'14"W  
TBN (Trinity) affil.  
(Monroe is about midway between Athens and Atlanta on US-78)

Hammond, IN: WJYS 62z: 03/02/91:  
5000kW, 1465/144/355m.  
TL 41°33'10"N, 87°47'09"W  
Independent. (reported with Home Shopping)  
(Hammond is a Chicago suburb)

Baton Rouge, LA: WGMB 44z:  
09/10/91:  
3871kW, 426m(HAAT)  
TL unknown  
Independent. (probably Fox)

Missoula, MT: KMTF 23z: 11/16/90:  
3676kW, 641/76/2146m.  
TL 47°01'10"N, 114°00'46"W  
ABC affil.

Eugene, OR: KEPP-TV 28z: 9/27/90:  
3070kW, 259/43/456m.  
TL 44°00'04"N, 123°06'22"W  
PBS affil.

Bethlehem, PA: WBPB-TV 60z:  
12/27/90:  
60kW, 214/40/350m.  
TL 40°37'33"N, 75°15'19"W  
Independent

Jackson, WY: KJVI 2z: 9/1/90:  
0.19kW, 304/3/2454m.  
TL 43°27'42"N, 110°45'09"W  
ABC affil, satellite of KPVI-6.

## CALL LETTERS ASSIGNED TO NEW STATIONS

St	Ch	Call	City
AR	42	KVUT	Little Rock
CA	43	KSDI	Clovis
FL	64	WWFG	Inverness
FL	8	WWFD	Key West
HI	21	KWHM	Wailuku
(LeSea: to be religious)			
IA		KQCT	Davenport
ID	9	KTMW	Caldwell
ID	26	KCDT	Coeur d'Alene
IN	69	WTBU	Indianapolis
LA	44	WGMB	Baton Rouge
LA	45	KWLB	Shreveport
MS	28	WQHM	McComb
NJ	63	WMBC-TV	Newton
OR	23	KMTZ	Coos Bay
(presumably to be a satellite of KMTR-16 Eugene?)			
TX	28	KYLE	Bryan
TX	19	KLSB-TV	Nacogdoches
WY	10	KFNE	Riverton

## CALL LETTER CHANGES FOR EXISTING STATIONS

St	Ch	New	Old	City
AL	68	WABM	WCAJ	Birmingham
CA	45	KUZZ-TV	KDOB-TV	Bakersfield
CA	15	KPBS	KPBS-TV	San Diego

## CALL LETTER CHANGES FOR EXISTING STATIONS (CONT'D)

St	Ch	New	Old	City
CA	38	KCNS	KWBB	San Francisco
CO		KCEC	KSHP	Denver
IL	23	WIFR	WIFR-TV	Freeport
MN	3	KDLH	KDLH-TV	Duluth
MN	29	KITN-TV	KITN	Minneapolis
MO	62	KSMO-TV	KZKC	Kansas City
MS	30	WGBC	WLBW-TV	Meridian
OK	41	KTFD	KGCT-TV	Tulsa
PA	8	WGAL	WGAL-TV	Lancaster
TX	51	KFXK	KLMG-TV	Longview

## CONSTRUCTION PERMITS CANCELLED

Ch	Call	St	City
50	WHPI	KY	Ashland
4	WDZI	NC	Manteo

## STATIONS OFF THE AIR

Ch	Call	St	City
40	KPOL	AZ	Tucson
49	WCCL	LA	New Orleans
46	WHRC	MA	Norwell
19	WPTJ	PA	Johnstown

## ADDITIONS TO THE TABLE OF CHANNEL ASSIGNMENTS

Ch	St	City
46	OR	Roseburg

## OTHER STUFF

"Show Cause" orders have been issued against Timothy Brumlik & NewSouth Broadcasting (partially owned by Brumlik). They're being asked to show why the FCC shouldn't revoke the licenses of WFXL-31 Albany, GA; W13BO Valdosta, GA; and W07BZ Orlando/W12CC Cocoa/W12CD Altamonte Springs, all Florida. Brumlik was convicted of cocaine possession last year.

## FORUM

Regarding William Draeb's comments about WPNE-38 being on reduced power, I pass along the following: "The antenna and transmission line center conductor are in the process of being replaced at this station (with Andrew products, I believe). A temporary antenna and temporary transmission line are being utilized in conjunction with a reduction in transmitter output to keep the station on-the-air while the replacement project is progressing. I don't know the exact status of the project at this time and don't know if the authorized ERP will change after completion of the project--will check on both and let you know shortly." Since there's 17

application or CP for a facilities change at WPNE, I'd assume they'll return to previous facilities when the work is completed.

As far as the channel 3 with Arsenio Hall reported to August ETVDX, my understanding is that Arsenio is not a Fox program, even though most of the stations carrying it are Fox affiliates. As there's no Fox affiliate in the Wilmington, NC market, I suspect Bill saw WWAY-3..

Locally, the Video Jukebox on channel 59 disappeared during a thunderstorm in July. The channel 68 outlet is now IDing with its own call (it had been operating parallel with 59) so I suspect 59 isn't coming back. Too bad; 59 was stronger here.

Regarding Harry Hayes' comments about WOLF/WWLF relaying WNEP-16 news, while it may have happened first in Wilkes-Barre, I know it's also happening elsewhere. Hereabouts, WSMV-4's Scene At 6:00 is replayed at 1900 CT on WXMT-30, and carried live on at least one AM radio station. And WTVF-5's 6PM newscast is carried live on at least two FM stations, along with a handful of AMs. During the Congressional elections last November, KCNC-4 in Denver purchased several hours of time on KDVR-31, allowing them to air continuous election coverage on channel 31 without dropping the high-rated prime-time NBC programming on channel 4. I suspect we'll be seeing more of this kind of cooperative venture over the next few years..

This column is somewhat longer than normal, courtesy of Bill Fahber, who sent along 6 months worth of research. Bill asked me to print the following, and I think it'll fill in the question marks I know at least a few WTFDA members had about the end of his column:

*The 3/91 "From The Staff" did not give the full story behind my resignation as editor of TV News. I gave only sufficient information to explain that I had to give it up.*

*Upon coming home from work on 1/25/91, I found that my wife had taken off for greener pastures with my computer, after 20 years of a happy marriage, or so I thought. She left me with the three children, of which I am glad. She refused to return the equipment, most of which was a personal gift to me from others. This left me totally unable to do the column or update the TV Station Data Base.*

*Since then, the kids and I moved in with my mother, who is in very*

*poor health, and our home was recently sold. With the income on the house and a substantial raise at my job (I am now a licensed New Jersey Land Surveyor), I was able to clear most of my debts, and plan to purchase an IBM compatible computer in the near future. Hopefully, I can update my TV station list. Tom Yingling was a great help in converting my Commodore files to IBM ASCII, so all that work can be salvaged.*

*However, with going to school part time, driving to a job 40 miles away and other responsibilities, it had over the years become difficult to enjoy the hobby, do the research, update the list and do the monthly column, and half the time I couldn't even get the column done. Often I was up until 2AM completing the deadline, with only a few hours sleep before driving 40 miles to work. I no longer had time to enjoy the hobby.*

*I appreciate the many comments I have received in the past ten years, but if the column was of high quality, it was because of the time put into it, and that is too much for one person. That is why I'm offering to provide the research if somebody else would do the column, and I'm sure Doug will do a fine job.*

*I also started building up a new DX system at this location, and hope to start sending in DX reports in the near future. My new address is: 98 Summit Ave., Bridgeton NJ 08302-2933.*

*Sincerely,  
(signed) Bill Fahber*

Bill also asked whether I wanted to print HAAT/AG/ASL data in meters or feet, remarking that the FCC is now using meters. Personally, I don't have any trouble with the metric system, and since it saves a lot of conversions, I intend to stick with meters. A large volume of negative mail may change my mind! Conversion to feet is really pretty easy: add 10%, then multiply by 3. For example, WAYQ-26 above listed as 304m HAAT; add 10% or 30m to get 334m, then multiply by 3 to get 1002'. When converted with the precise formula, you get 997', an error of less than 0.5%.

73 Doug

# FCC FM NEWS

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## Readers' Reports and Selectivethings

One of the people I had the pleasure of seeing at the WTFDA convention, Dave Nieman, sent news of CJXY being the new calls for Hamilton ON, 95.3 (was CKDS). Also included: a legal note of WEZQ 107.7 Wethersfield filing for a 50-watt translator on 107.3 in Buffalo. There's a complex arrangement whereby WGRF 96.9 (x-WGR-FM) Buffalo will program and sell ads for WUFX 103.3 and its AM adjunct. Some firings have happened, but this is seen a way WUFX can survive and still pay off its creditors. He's getting CJMJ 100.3 Ottawa, in stereo, "Magic 100" but not strict, and sent along color photos, including WNED-FM \*94.5 and KEB-98 162.550 in Buffalo. His picture of the WSBU \*88.3 St. Bonaventure NY antenna definitely looks like separate horizontal and vertical polarizations (not horizontal alone, as FCC datalist shows).

W. R. McIntosh corrected on KBIG 104.3 L.A. and its not carrying Japanese on its SCS; instead it's all data for computers. "About the use of 'lame'—may I suggest the words 'limp', 'weak' or 'flaccid' instead? After all, why irritate people if it's not necessary? It wastes too many precious column-inches and serves no useful purpose." [The use of "lame" is not unique to this column: Doonesbury, Sept. 15, had it: "Sometimes the material we're given is a little lame. On those occasions, we're forced to 'wing it!'" ]

Mc continues: "Although I have all the equipment on hand to start experimenting with FM antenna phasing, other sudden demands on my time have delayed my getting at it." Regarding my near drowning incident, Mc says "I couldn't float either; last time I tried. . . Sorting out stations interfering at alternate channels. That's not too difficult—it's those 'adjacent channels' that give me a workout. Only narrowed IFs have done it for me to date. Have a government surplus tunable receiver, with really beautiful shape-factor filters. I'll bet they cost Uncle Sam plenty."

Bill Nienajadly and I both have 110 kHz filters on order, with Digi-Key promising October delivery. "Yes, I gave phasing a shot. My outside Radio Shack 6-element with an indoor rabbit ears hooked up with a variable attenuator on the Radio Shack side. This limited set-up enables me to get WPLR 99.1 New Haven CT despite WAWZ \*99.1 Zarephath NJ (much closer) under dead conditions. . . Same results with WDRE vs. WOBN 92.7; WDRE much closer and local-like. I do need another outside antenna for better results. I did manage to knock down WFAS-FM 103.9 from 80 db to 55 db, but I'll have to wait for an outside set-up or traps to get closest unheard 103.9 Jenkintown PA. Every NJ DXer already logged WIBF-FM Jentintown but me. . . W276AQ Fort Lee NJ now rebroadcasting WBAB 102.3 Babylon LI. What next?" He included this cartoon, which might apply more to a FCC-TV column. "I ordered 30 filters (150) from Hosfelt. Hope you don't mind; I referred DXers to contact you about modifying

radios. I am not set up to do business thru the mail, but you are. So you could use the \$\$\$ anyway," encourages Bill. WFME (94.7 Newark)'s 67 is Russian, and it costs



"What a rip off, for only ONE channel. . . Bruce, build phase boxes!"

Alain Pepin provided more info on stations he received having stereo, but these were mono: WCKA 97.1 Sutton WV, WOLR \*91.3 Lake City FL and WNCM 88.1 Jacksonville. I have written WNCM to try to find out if they have discontinued stereo on all their programs, or if they might have correctly turned their stereo off when carrying a monophonic program.

Sending info on the monophonic all-ads format for WDDQ 92.1 Adel GA is Nick Lombardi. The station is intended to draw tourists along the interstate to stop in and patronize the station owner's motel, restaurant and shops. It may eventually carry ads for other businesses, and the all-ads' format is legal under the present deregulation-oriented FCC.

Tom Bryant sent an article out of "Broadcasting" mentioning KTAO 101.5 Taos NM "To Go 50 kw Solar." The article is totally misleading in that KTAO might have the equivalent of 50 kw (C2), but is only 1000 watts radiated power at 876 m, not the "50,000 watts" quoted in the article. Probably they only need to generate 250 watts to achieve 1 kw radiated with antenna gain (eight bays, h & v). Solar should be operational for the month. "Enjoyed meeting you in Dunkirk. . . great weekend, but too short!"

"Thanks very much for the speedy service on my 'Flea Market Book Sale' order from the June, 1991, VUD," writes Jim Korn, who went on to mention stations in his area having stereo, and the status of various translators in CA.

From FL, Dave Bright gave a rundown of Tallahassee FM, including WHBX's having moved to 96.1 from 95.9.

WANM 1070 "is lower than ever and probably will never again be No. 1. Black-oriented WHBX, WFHT and student WAMF have taken command (just as I predicted to co-workers). A local paper said 106.1 would be on 'in October'. Has not announced format [ or call letters]." WMLO 104.9 Havana no DXing cinch, saying it's 3600 watts, not yet the 47,000 h&v it's supposed to go to. "VUD reporters are still confusing these two: WFSU \*88.9 news, NPR; WFSQ \*91.5 classical."

A shorter column this month than usual, so here's material from my September FMedia! This column may not appear in the VUD next month as I settle in earnest on doing a 14th edition "FM Atlas." See you when I can, and look below for the "See Also" feature culled from September's reprinted VHF-UHF Digest.

### New FM Station Grants

AL Meridianville (Huntsville) 94.1 1800 wets horizontal, vertical; 122 m, Virginia Griffith AR North Little Rock 101.1 3000 h, v; 100 m CA Orcutt KQDP-FM 95.7 3400 h, v; 277 m CA Santa Rosa \*91.1 170 h, v; 223 m FL Chiefland WLOH-FM 97.3 3000 h, v; 100 m FL Quincy WTPS 100.7 3000 h, v; 100 m GA Atlanta WFOX-1 97.1 10,000-w booster of Gainesville station [T. Wood & Assoc. GA Hogansville WEIZ 97.5 3000 h, v; 100 m, HI Volcano (19-26-00; 155-15-42, SW of Hilo) 107.7 3000 h, v; 54 m, Mary Miho-Finley IL Augusta \*101.1 1000 h, 188 m, g KS Copeland (SW of Dodge City) 98.1 100000 h, v; 240 m, Sound Bestg., inc. KJL 99.1 100000 h, v; 293 m, g, Great Plains Christian Radio [Alpha Bestg. KS Liberal 105.1 50000 h, v; 150 m, KS Minneapolis 92.7 8000 h, v; 100 m, Belinda S. MI Essexville 97.3 3000 h, v; 100 m MI Rockford WFEN 102.3 5400 h, v; 99 m MN Rushford KWNQ-FM 98.3 8000 h, v; 100 m NH Walpole 96.3 1200 h, v; 155 m NY Middletown \*91.7 750 h, v; 208 m, WAMC, \$, c, on "this fall"

OK Nowata 101.5 6000 h, v; 100 m, BSB OR Medford \*91.7 1300 h, v; 155 m, g, First Baptist Church of Medford SD Huron KZTS 105.1 6000 h, v; 65 m VA South Boston 95.3 2700 h, v; 151 m, Virginia Bestg.

WA Davenport 102.5 3000 h, v; 22 m WV Lost Creek WOTR 96.3 3000 h, v; 92 m PQ Brisay (see FM Atlas-6 for town location) CBP \*92.1 440 h, v, CKAC, 94.3 440 h, v, both Club Social la Grande

TA Nuevo Laredo XHMLD 97.1 \$, on air, "Estereo Recuerdo" power unknown TA Tampico 97.7 \$, I, FM SCS at 67 kHz, "Estereo Noventa y Ocho," calls, power unknown

Call Letters Assigned or Changed AZ Green Valley 92.1 KOSN (from KQYT) AR Berryville 107.1 KTHS-FM (KSCC) AR Hot Springs Village 92.9 KVRE, 3000 h, v; 100 m AR Texarkana 104.7 KTOY [Juice] CA EastPorterville 100.5 KOJJ (KPOR), "The CA Greenfield 99.5 KSUR-FM (KPUH) CA Los Banos 104.7 KHTN (KSNB), "Hot 105"

CA Oxnard 102.9 KLSM CA Shingie Springs 101.9 KFIA-FM (KLIO); AM is in Carmichael CA [Great Radio] CA Ventura 107.1 KAGR(KAXX), "Absolutely/CO Boulder 94.7 KSSP (KHHH), but "not planning to use KSSP" calls! CO Cortez 97.9 KISZ (KISZ-FM) CT Ledyard 106.5 WVNW FL Cedar Key 102.7 WVNW FL Marianna 94.1 WBNF (WSEJ) MO Montezuma 92.5 WLML GA Omega 107.5 WOBX (WXJF) GA Springfield 103.9 WQGT (WSEC) GA Sylvania 106.5 WZBX HI Princeville 98.9 KBQB ID Preston 96.7 KACH-FM IN Indianapolis 96.3 WHHH IN Nashville 95.1 WVNI IA Burlington 93.5 KKMI (KDWD) KS Coffeyville 98.9 KUGN (KQGF), k[country] KY Ashland 93.7 WRVC-FM (WRVC-FM; AM in Huntington WV gets new calls) KY Hawesville 105.7 WLME KY Horse Cave 100.7 WLML LA Bonlake 104.3 KEZP (KRBB) MA Fitchburg 104.5 WXLO-FM (WXLO) MA West Yarmouth 94.9 WXTK (WOCB-FM) MI Boyne City 93.5 WBCM (WCLX) MI Leland 94.3 WTRV (WLEL), \$, o, "Grand T Traverse 94," simulcast with WAIR 92.5 Atlanta MI MN Le Sueur 96.1 KGXA MN Richfield 101.3 KDWB-FM (KDWB-FM) MO Savannah 92.7 KSJQ (KXGY) MT Glasgow 105.5 K288EM (from K288DW). MT Missoula 92.7 K224AA 100.1 K200-FM (K200) MT Whitefish 106.3 K292CD (K292CC) NV Reno 101.7 KOH-FM (KTHX), \$, p, NH Lancaster 102.3 WLGW-FM NH New Durham \*91.7 WPPC NJ Atlantic City \*89.7 WJNJ NJ Dover Township \*91.1 WJNJ (WKTW) NM Alamogordo 106.3 K2ZZ (KINN) NM Armijo 107.1 KUCU (KMYI), k NM Central 95.3 K2TT NY Jeffersonville 106.1 WPOA NY Malone 96.5 WVNW NY Webster 102.7 WLMF NC Clinton 107.1 WMXS (WCLN-FM) OH Greenfield 97.5 WYNU OH South Webster 94.9 WZIO PA Burnham 96.7 WVVW PA Mercer 96.7 WLLF (WKTX-FM), r PA Spangler 97.3 WCCZ (WQHN), o[Idies] SC Efforse 100.3 WMYN-FM (WMNY-FM; AM gets new calls) SD Rapid City 104.1 (from 104.3) KIGN (KTOD-FM), "Kick'n" TN Madisonville 99.5 WYGO TN Woodbury 104.9 WLMN TX Belton 106.3 KOOC (KYZZ), k, simulcasting KOOV 103.1 Copperas Cove-both "Double O Country" TX Canadian 94.9 KRBB (KEZP), TX Carthage 104.3 KGAS-FM TX Claude 95.7 KOXB TX Laredo 105.1 KZTD TX McAllen \*88.1 KHID (KXGZ) TX Pearland 104.1 KOXD TX Wichita Falls 105.5 KOXC (KLHA) UT Brigham City 106.9 KSOS-FM (KSOS) UT Roosevelt 98.5 KIFX (KBWL) UT Salt Lake City \*88.3 KBGA VA Bowling Green 96.9 WLMW VA Cape Charles 96.1 WMYA (WKSX) VA Seattle 107.7 KNDD (KMGJ), r, "The End" WI Green Bay \*88.5 WORG WI Mosinee 94.7 WEHM WI Tusany 96.1 WBOG (W-R) WI Goshyama 106.9 WMEG (WSRA) WI Charlotte Amalie 97.1 WVNW

### Facilities Changes Granted (selected)

AZ Clifton KVVJ 102.1 2800 h, v; 677 m, C1 AZ Prescott Valley KIHX 106.1 (from 106.3) 3700 h, v; 492 m [m], C3 AR Pine Bluff KPBO 101.3 25000 h, v (100/ CA Bakertfield KTQX \*90.1 47 m (3000 h, v) CA Blythe KERU \*98.5 3000 h, v, -17 m, loss vertical polarization FL GrantaWGOV 93.3 (from 100.7), because of WTPS Quincy; on, oldies to 6 p.m.; black oldies after 8 FL Tallahassee WUMX 103.1 50000 h, v; 90 m, C2 [25000 h, v; 100 m, C3 GA Americus WDEC-FM 94.7 (from 94.3) IL Lansing WJPC-FM 106.3 2000 h, v; 121 m IN Plymouth WNZ 94.3 11300 h, v; 150 m, B1 IN Rochester WR01 92.1 52000 h, v (91 m) IA Harlan KNDD 105.3 (from 105.5) 25000 h, v; 96 m, C3 [161 m] IA Independence KOVR-FM 95.3 4300 h, v, KS Ogden KOLA 103.5 (from 103.9) 50000 h, v; 93 m, C2 [1900 h, v; 179 m KY Elizabethtown WQXK 98.5 (from 100.1) MD Cambridge WFBZ 94.3 6000 h, v; 100 m MD Salisbury W276-103.1 (from W275A 99.3) [m, C3 MI Big Rapids WAAQ 102.3 10500 h, v; 133 MI East Lansing WVIC-FM 94.9 50000 h, v; 150 m [WKLZ 98.9 52000 h, v (362 m) MI Petoskey/ [h, v (100 m), C3 MN Mora KBKX 95.5 (from 95.3) 17200/ MS Charleston WTVG 95.7 6000 h, v (100 m) MS Indianola WDLJ 96.9 25000 h, v; 100 m, C3 NY New York all the following to 8000 h, v; 415 m from the World Trade Center: WXRK 92.3, WQXR-FM 96.3, WSKO-FM 97.9, WNEW-FM 102.7, WNCN 104.3, WNSR 105.1, WLTW 105.7, WBLS 107.5 [except WBLS will be NY only 4300 h, v.] NY Oswego W240AJ \*95.9 (move from Endicott) VA Rural Retreat WRRR-FM to 95.3 WI Hartford WTKM-FM 104.9 5800 h, v (91 m) WI Platteville WKPL 107.1 8000 h, v (72 m) CL Piedras Negras XHTA 94.5 1250 h, v; 85 m, SRT approved. Using the old transmitter of the former KBER 100.3 San Antonio TX. "I just adjusted their stereo generator, using a boombox, since they don't have a stereo monitor," said Joe Gragg. NL Monterey XHXL 91.7 100000 h, v (-75 m), "Estereo Noventa"

Stereo-Or to be Stereo AZ Kingman KRZY 105.9 CA Fort Bragg KLLK-FM 96.7, rp CA Sacramento KXJZ \*88.9, in. They correctly turn their stereo off for newcasts. CA San Jacinto KWRR 96.1 FL Mayo WGSQ \*88.5 FL Monticello WJPH 101.3, o, "Sunny 101" IN Golconda WDXR-FM 94.3 IN Richfield WUZR o, ID with Vincennes, "Hoosier 105.7" IN Fort Branch WBGW 101.5 IN Huntington WVSH \*91.8, "but school system has cut off its funds." Has been off the air for the summer; to stay off! WWOV-FM 103.1, simulcasting the big AM in Fort Wayne, o. IN Syracuse WAAC 103.5, rm. "Wawasee 103" MD Frederick WJTM \*88.1, with live announcers and a Braddock Heights mailing address MI Buchanan WMAK 99.1, uses calls MI Houghton WASH 102.3 MI Kingsford WEUL \*98.1, noncommercial-simulcast with WHWL \*95.7 Marquette MI Liveston WBTI 96.9, tu, SCS, 67 kHz; no ID heard in over two hours' listening; still r, "98.9" MO Kirksville KLTE 102.7 NY Deposit W1YN 94.7 NY Jamestown WNJA \*88.7, c, parallel to WNED-FM \*94.5 Buffalo, but giving an

indistinct ID which failed to mention each station's city of license OH Delaware WCEZ 107.5, b, "E2 108" OH Nelsonville WSEO 107.7, r OH Toledo WXUT \*88.3, sr OK Moore KMSI \*88.1 PA Tioga WPHD 93.3, ID with Elmira. Relays WKBG 92.5 Susquehanna. TX Cuero KQRO-FM 97.7 TX Lytle KXPZ \*91.3, gr. "Hard rock Christian-like Z-Rock or Alice Cooper, only with Christian words. They play a lot of music by the group Stripper." VA Winchester WTRM \*91.3, both that and WJTM Frederick MD "had excellent signals that carried far into northern Virginia" WI Verona WMMM-FM 105.5, ID with Madison, to 6000 h, v; 100 m NL Monterey XHQZ 93.3, ki (ranchar) XHMF 104.5, l, "Estereo Viejo" Monophonic CA Garberville KBAY 104.7, no stereo, r, "K-Bay 104.7" GA La Grange WDAK \*90.9 IL Highland Park WVVX 103.1, ep, "Real 103" IN Roanoke WQTX 105.1 mono talk, simulcast with WGL (AM) Fort Wayne. "Tested in stereo, but has been mono since." MI Sandusky WTVG 97.7, remove 5 listing, no "FM 97" (uses calls) OR Phoenix KRQG 105.1, heard briefly testing in mono, relaying KOOV an AM station. "It was only on a couple of weeks and I understand that KOOV didn't want to pay the asking price to rent the transmitter." PA Towanda WTTT-FM 95.3 m, big bands TX Crystal City KHER 94.3, but applying for more height, after which they will go stereo. "It'll be the person who will turn it on." WA Everett KSER \*90.7, but may be only temporarily mono BC Vancouver CFRO 102.7, "and not really a commercial station"

### See Also September VUD For

AL Fort Rucker WXUS 100.5 k; is it stereo? Smolarek, p. 9 AL Mobile WAVH 96.1 o, Bugaj, p. 7 GA Albany WGNP \*90.7 stereo? Ross, p. 10 GA Athens WNGC 95.5 m, SCS? Ebelling, p. 16 GA Boston WTVF 105.3 o, Nieman, p. 14 GA Cairo WLSL 102.3, "Whistle 102," Smolarek, p. 9 [Bugaj, p. 6 LA New Orleans WNOE-FM 101.1 Country 101/ MS Columbus WACR-FM 103.9 r, Fela, p. 12 MS Eupora WLAZ 96.1 o, "Lazer 96," Bugaj, p. 7 MS Natchez WQNZ 95.1 Country 95.1, Hayes/ MS Quitman 98.9 WYKK is what Mike Bugaj heard (p. 7), which sounded like "WIKK" (which is 103.5 Newton IL). You will see a little notation in the 13th ed. "FM Atlas" that WYKK to move to 98.9 (from 98.3); like an "UFO," it's made its move! MS Tupelo WAFR \*88.3 \$, "Family 88," Pugh, p. 21 MO Webb City KKKL apparently hasn't yet 95.1; still on 97.9 (where KRKG 97.9 Carthage MO will move to), Buntin, p. 26 NY Homer WXHC 101.5 m, \$, ID with Cortland, Nieman, p. 14 NY Waretown \*91.7 calls are WRVE, not "WRVJ," Renfrew, p. 15 OH Youngstown WYTN \*91.7 is stereo after all, Nieman, p. 14 OK Muskogee KMMY 97.1 Y-97, Hanton, p. 18 PA Lewistown WCHX 105.5 o, Nieman, p. 14 PA Tamaqua WMGH 105.5 listed as o, but I show as m; format changed or just an oldies song in their music flow? Nieman, p. 14 TN Tazewell WFSM 94.1 \$/stereo, Pugh, p. 21 TN Wayneboro WTRN-FM 94.9 stereo, Pugh, p. 21 [SCS, Ebelling, p. 16 UT Price KPRQ 100.9 tX or tU, 67 kHz/

WV Fort Allen WFGH \*90.7 is it stereo? Allen, p. 24. WI Sun Prairie WMAF-FM is the 92.1 station close to Madison (Combs, p. 26)

Format Changes—See this feature in last month's "FMedia!"

### On Air (Selected)

IA Decarah KRDI 100.5, having moved from 100.9, but still calling self "Music 101" KS Clay Center KCCLY 100.9 now 6 kw PA Reading WXAC \*91.3, "but the signal barely gets out of Reading."

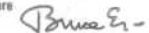
Off Air—Or Not Yet On CA Fresno KFNQ \*90.3, but coming soon. ID Paysette KQXR 100.3, on 100.1, but must have been on 100.3 for a while, since announcer heard to say "100.3." IL Lake Forest WMMX \*88.9. It is "dead... it didn't serve a community purpose. The students were irresponsible, and the administration took it off the air." Maybe Gary Olson could check on this one. IN Terre Haute WPRF 102.7, along with its AM, WYTL. Taken off the air by the court receiver. MI Allendale "WSRX" \*88.5, since being taken over in 1982 by WGVC. Now students want to revive WSRX and find an FM channel. MI Baraga WXNL 104.3 MI Detroit WDFX 99.5 rumored off air, in court-ordered receivership. MI Hancock WTHW 98.7 [88?] MI Houghton WOLF 96.3 (still on 97.7, "Wolf" OH Bellevue WRRR 92.1, but had carrier only; assumed temporary. OK Lewton KMGZ 98.5, still on 95.3 OR Nyssa KGZH 98.7 PA Erie WEFB \*88.1 TX Cotulla KDCY 97.7, "burned down; is for sale." Remove 5, format information for this station. TX Hondo KRBB 98.5, but site is marked off with construction expected WV Shepherdstown WSHC \*93.7, assumed so because of school vacation

### SCS Services, 67, 92 kHz

Symbols are as in the "FM Atlas" CA Fresno KKDZ 105.9 tM, R, Muzak's two services at 67 and 92 kHz. "KSKS 93.7 Fresno will continue standard Muzak on 67 kHz until all receivers are changed." CA San Diego—Southwestern Cable apparently is using its SCS at 67 kHz for talk between the main office and the head end on Black Mountain. "On regular FM there is just an open carrier on 106.9. When you switch to SCA you get a one-sided conversation of someone giving instructions. I haven't tried with the tunable SCA yet, but suppose they may be using 67 kHz for one side of the conversation and 92 kHz for the other side of the conversation. This only occurs once in a while on a random basis," says a DXer. KPBS \*89.5 tT, 67; tB, 92. The 92 is a rebroadcast of the BBC "direct from London. I think they're getting it directly off a satellite as there is no fade typical of shortwave broadcasts." IL Aurora WYSY 107.9 no tX, 67 IL Chicago W88M-FM 96.3 no tY, 92 WJMK 104.3 no tX, 92 IL Evanston WQJO 105.1 tX, 67 (no 92); had tM, 67 and tR, 92. KY Whitesburg WMMT \*88.7 tB, BBC World Service, 24 hours starting 1 December (replacing tS), 67 kHz MI Atlanta WAIR 92.5 tX, 67, now "Oldies 92.5" (from "92.5 W-Air") MI Grand Rapids WJFM 93.7 tD, 57, no tU, 92, but retains tM, 67 [tU, 67] MI Kalamazoo WQLR 106.5 tD, 57 (no/

MN Minneapolis KSJN \*89.5 drops Muzak in favor of KSTP-FM 94.5 St. Paul. If Muzak stayed, they feared it might exceed FCC limits on commercial side-ventures by public broadcasters, "and partly because they thought the secondary signal for Muzak might interfere with their primary KSJN signal," thus deciding to "kiss off an contract worth about \$60,000 a year." NY Buffalo WBFQ \*89.3 no tX, 67 WGRF 96.9 tC, 67 (relaying WGR 550 AM) WYRK 106.5 no SCS (had tX, 67) NY Jamestown WWSW 93.5 no SCS (had tM, 67) OH Cleveland WNCX 98.3 tM, 67 WCRF \*103.3 tG, 67 OH North Baltimore WHMQ 107.7 tU, 67; uses call, not "The New 108" VA Harrisonburg WZJM \*88.7 tB, BBC fulltime, 67 kHz WMRA \*90.7 tT (Valley Voice Radio Reading Service 67 tB, BBC relay, 92 kHz). "I have been doing some experimenting on the JMU stations' subcarriers, and have come up with quite a good sound—flat response to 9 kHz, using Dolby encoding and an Optimod 8000A for limiting, with a 16 octave equalizer to customize the sharpness. Makes for near FM quality if you would like, I'll send you a tape of it, recorded off a GE Superadio with an EII-III installed." WKCY-FM 104.3 tM, 67; tR, 92, a "private music service" WI Milwaukee WLTO 97.3 no SCS (had tC, 67) ON Sault Ste. Marie CJOJ 104.3 tC, 67, relaying its AM; "O-104" (very strict—from "O Country") ON Toronto CIUT \*88.5 tE, 67 (no 92) CJRT \*91.1 no SCS (open carrier only, 67) CHFI 98.1 tZ, 67 (not tU) CHIN-FM 100.7 no SCS (had tX, 67) "There were three or four postings on Internet couple of days ago or you as the topic of conversation. All involved agreed that your book was excellent. They liked your SCA products. One guy apparently has made several purchases from you over the years. One or two others referenced purchases of SCA equipment. One guy did observe that you probably wouldn't win any awards for soldering. Thought you might enjoy that."

NonIDs In Use CA Delano KXXX-FM 105.3 uses calls: "105.3 KXXX," no "Power 105" CA Eureka KEKA-FM 101.5 uses calls, "101 Country, KEKA," and no "Redwood 101" CA Gilroy-San Jose KUFX 94.5 94.5 The Fox, adds San Francisco ID CA Healdsburg KRCI 92.9 no "The Heat"; ID by call letters CA Livermore-Pleasanton KKIQ 101.7 tD by calls, no "O-102," no Danville in its ID list CA Oceanside KIOZ 102.1 Rock 102 MI Benton Harbor WFBF-FM 99.9 uses calls, not "The New 99.9" ["WLFZ-FM" MI Cadillac WLLZ 96.7 Hot 96 Lakes FM (from MI Cheboygan WGLD 105.1 The Gold, ID with Petoskey-Mackinaw City MI Detroit WJLB 97.9 uses calls, not "FM 98" WLLZ 98.7 uses calls, removing "Wheels" MI Gaylord WKPK 106.7 KPK (from "The Peak") [from "FM-104"] MI Harbor Springs WLTO 103.9 104-LO/ MI Marquette WFXD 103.3 Fox 103 MI Marshall WELL 104.9 uses calls, not "Southern Michigan Country" [ar 98"] MI Monroe WTRW 98.3 uses calls, no "Tow/ MI Scottville WKZC 95.9 KZ-96 (from "KZ Country") MI Three Rivers WLMK-FM 95.9 uses calls; MS Collins WKNZ 101.7 Z-101 (from "101 KNZ") MS Moss Point WZBA 104.8 Bay Country (not "Bay 105"), ID with Mobile AL, where its studios and tower are





# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

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

**OCTOBER 1991 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed**  
Well, most DXers agree that July was much better for skip than May or June for e-skip. Look for reports about July 19. Strange things were going on that day: an MUF up to channel 12, skip reported as short as 320 miles; incredible. Skip was also noted by some in August, especially on the 22nd and on 23rd (just like last year). There have been some tropes of significance, especially in the midwest, but as of print time no "mega" openings. Let's hear from you!

FRANK MERRILL - P.O. BOX 669 - MACOMB, ILLINOIS 61455

Equipment: MR78 tuner, channel master "Stereo Probe 9" mounted at 45 feet, MOST Es: Probe 9 mounted at 8 feet in backyard

## MAY 1991 DX

**27 Tr**  
2056 **KMZU** 100.7 MO Carrolton, promo for solid gold k weekend on KMZU  
2102 **KBUG** 92.3 MO Osceola, Royals BB co-ID with KAYQ-97.7  
2106 **WYKC** 90.7 IL Galesburg, calls, Yes mx  
2143 **KZLE** 93.1 AR Batesville  
2144 **KTUF** 93.7 MO Kirksville, "If You're looking for excitement, that's tough, KTUF"  
2201 **KBFL** 99.9 MO Buffalo, sign off here  
2205 **KBMV** 107.1 MO Birch Tree, wx, "You're listening to KBMV 1310, 107.1"  
2224 **KOLL** 94.9 AR Pine Bluff, destroying WAAG with "Kool" oldies  
2252 **KIPR** 92.3 AR Pine Bluff, legal ID + Little Rock, on low antenna only  
2257 **KSSN** 95.7 AR Little Rock, "Kissin"  
2311 **KCWD** 96.1 AR Harrison, local contest winners, The Ozark's #1: 97 Country (a holdover from their 96.7 days?)  
2314 **KHOZ** 102.9 AR Harrison, local temps  
2347 **KJFM** 102.1 MO Louisiana, Catch the Cards on your new sports leader, KJFM  
2352 **KLMK** 107.3 OK Poteau, "KLMK, K-Country 107", Pat Tillis song, wx, ad  
**28 Tr (WILD DAY)**  
0026 **KQUS** 97.5 AR Hot Springs, US-97 "Arkansas Weather" jingles, lcl temp  
0031 **KSYN** 92.5 MO Joplin  
0032 **KXKZ** 107.5 LA Ruston  
0045 **KQLL** 106.1 OK Owasso  
0100 **KESE** 93.3 MO Seligman, Easy 93 is KESE Seligman-Joplin-Fayetteville  
0150 **KTCS** 99.9 AR Fort Smith  
0152 **KCJC** 100.9 AR Russellville, "Tired of the songs the other stns play?" calls  
0159 **KEDM** 90.3 LA Monroe, legal ID  
0206 **KCTT** 97.7 AR Yellville, 97.7 KCTT  
0222 **KXQJ** 100.9 OK Salpula, "The gospel according to music on KXQJ"  
0227 **KPNC** 100.9 OK Ponca City, call, k  
0300 **KFCM** 100.9 AR Cherokee Valley, Regional Radio, FM 101  
0333 **KAMQ** 94.3 MO Rogers, Kamo 94.3  
0336 **KMXL** 95.1 MO Webb City, "The Light Mix, the all new KMXL"  
0354 **KBUZ** 99.1 AR Eldorado, calls  
0415 **KJCK** 94.5 KS Junction City  
KSKG 99.9 KS Salina  
0421 **KEYN** 103.7 KS Wichita, rare

## MAY 28 Tr cont

0436 **KLRQ** 96.1 MO Clinton, "Q96" is playing on some fine radios in this area 230  
0500 **KREJ** 95.9 KS Medicine Lodge, legal ID after canned religion 455  
0506 **KSCC** 107.1 AR Berryville, KTMS, KSCC 340  
0516 **KADI** 99.5 MO Republic, class A same same director as WQDY-IL local. Thought I'd never hear this one again. 275  
0520 **KMAG** 99.1 AR Fort Smith 420  
0601 **KRZZ** 96.3 KS Derby, lgl with Wichita 405  
0605 **KTRX** 93.5 MO Tarkio, sign on after vocal SSB - barely!! Would have been impossible if KTUF was still on 93.5 240  
0613 **KOTE** 93.5 KS Eureka, 67, break from KS farm network, then Anne Murray (Verified info by phone and // with the song) 360  
0624 **KZOC** 92.9 KS Osage City, agricultural network over KGRC-MO 375  
0656 **KKRD** 107.3 KS Wichita, rare due to local KGRS-IA  
0700 **KLTQ** 96.5 MO Sparta, news, legal ID 240  
0705 **KGLS** 93.1 KS Pratt 500  
KHCC 90.1 KS Hutchinson, rare 425  
KHCD 89.5 KS Salina, rare, both are on crowded frequencies 370  
0727 **KMOQ** 107.1 KS Pittsburg, Oldies 107 335  
0741 **KDCK** 95.5 KS Dodge City, The #1 song in SW Kansas, "K95", several W. KS ads 540  
0749 **KFXO** 106.7 KS Hugoton, "KFX", temp 635  
0755 **KSCB** 107.5 KS Liberal, local ads Royals Baseball tonight on KSCB 1270 590  
0903 **KEFX** 104.9 KS Emporia, r, ad with 343-phone, K-Fox (Emporia has that exchange) 350  
1832 **KJJC** 106.9 IA Osceola, "JC 106.9" (Strict), promos, local weather and ads 180  
1850 **WCCJ** 100.3 IL Savanna, auction place south of Savanna, Savanna ad 110  
1900 **WZZT** 95.1 IL Morrison, "This is the quality choice, WZZT" 100  
1901 **WRVY** 100.5 IL Henry, SID, "Y100" 80  
2000 **KJFZ** 95.5 MO Poplar Bluff, legal ID 252  
2005 **KLIE** 107.9 MO Kirksville, ID with Centerville and Macon "Just what I need, another pest 100  
2053 **KKVU** 105.9 NE Omaha, class A, rare 285  
2104 **KITR** 101.3 IA Creston, "Creston Rdo" 200  
2109 **KKMA** 99.5 IA LeMars, thru WQCY 315  
2130 **WNIJ** 90.5 IL Rockford, ID 146  
2203 **WPKR** 99.5 WI Waupun, tornado watch 76" at WPKR, Packer 99-5 jingle 275

# Northern FM DX

October 1991

FRANK MERRILL's REPORT continues.

## MAY 1991 DX

**29 Tr**  
0058 **KMXA** 106.3 NE Lincoln, Mix 106 KMX 305  
0101 **KKVU** 105.9 NE Omaha, legal ID 285  
0259 **KQCL** 95.9 MN Fairbault, 102.5 (Waubasha) 95.9 ID 265  
0305 **WCNL** 95.9 IL Carlinville, k, promo 100  
1559 **WXJO** 95.5 IL Bethalto, lgl w/St.Louis 130  
**29 Es**  
1600 **WJIS** 88.1 FL Bradenton  
1832 **WPAP** 92.5 FL Panama City  
WRBA 95.9 FL Springfield  
1833 **WABB** 97.5 AL Mobile, 97.5 WABB 691  
1838 **WHCJ** 88.5 GA Savannah, jazz update is a public affairs presentation of WHCJ-FM 777  
1843 **WBKL** 103.5 FL Callaway, Cool 103 Oldies, Dothan, Panama City ads 760  
1847 **WXFX** 95.1 AL Prattville, 95.1 The Fox and and Prativille, local ads 625  
1851 **WUSA** 100.7 FL Tampa, W-101 Bay area wx with Tampa temperature 970  
1900 **WEBZ** 99.3 FL Mexico Beach, legal ID as Panama City 750  
1906 **WJAD** 97.3 GA Bainbridge, calls, ads 750  
1910 **WEGJ** 91.1 AL Auburn, calls, "We're Auburn's rock and roll alternative" 615  
1914 **WBVM** 90.5 FL Tampa  
1917 **WXTB** 97.9 FL Clearwater, Tampa ad "98 Rock", Pink Floyd concert, ads 960  
1922 **WQYK** 99.5 FL St.Petersburg  
1926 **WAVE** 102.5 FL Sarasota, "Wave", ph# for Tampa, Sarasota, etc, prefix -1025 1020  
WSHE103.5 FL Ft.Lauderdale 1140  
1930 **WINK** 96.9 FL Fort Myers 1065  
1939 **WWKA** 92.3 FL Orlando 985  
**JUNE 1991 DX**  
**3 Es**  
0052 **KTSB** 92.1 TX College Station, Brazos Valley wx, semi-ID 745  
0105 **KITE** 92.1 TX Kerrville, calls 905  
1158 **WTMI** 93.1 FL Miami 1165  
WEAT 104.3 FL W. Palm Beach 1120  
1204 **WBGF** 93.5 FL Belle Glade 1050  
1230 **WBVM** 90.5 FL Tampa 990  
WJIS 88.1 FL Bradenton 1000  
1238 **WUSE** 89.7 FL Miami, Concert 90 990  
1524 **WCKT** 107.1 FL Lehigh Acres, "Cat Country", k1080  
1536 **WQBA** 107.5 FL Miami, "Super Q", SS 1165  
1537 **WQOL** 103.7 FL Vero Beach, Sebastian ads, announcements, "Q-103.7" 1070  
1539 **WHEW** 101.9 FL Fort Myers 1070  
1542 **WYQC** 104.9 FL High Springs, ads, for High Springs, weak WYQC jingle 855  
1545 **WKLQ** 102.1 FL Rock Harbor, K-Country 102.1, local ads 1200  
1548 **WAOA** 107.1 FL Melbourne, A1A 1025  
1553 **WIRK** 107.9 FL W. Palm Beach  
1555 **WZTU** 104.1 FL Cocoa Beach, legal 1025  
1559 **WQCS** 88.9 FL Ft.Pierce, legal 1090  
1601 **WDNA** 88.9 FL Miami, MONO, legal ID heard, "finally" 1165  
1601 **WPKX** 88.5 FL Sunrise, modern mx Kicks, 88.5 WPKX 1130

## June 3rd skip cont

1602 **WCAC** 105.5 FL Sebring, calls, nx 1055  
1605 **WRMF** 97.9 FL W. Palm Beach 1120  
1621 **WLRO** 99.3 FL Cocoa, Lit Rock 99.3 1025  
1626 **WZMQ** 103.9 FL Key Largo, FM Noventa Doz (92) // WCMQ 92.3 1190  
1656 **WAYJ** 88.7 FL Ft. Myers 1070  
2145 **KNPR** 89.5 NV Las Vegas, calls 1351  
2146 **KWNB** 95.5 NV Henderson, calls 1345  
2148 **KMMK** 103.5 NV Las Vegas, ad 1351  
2150 **KKLZ** 96.3 NV Las Vegas  
**3 Tr**  
2344 **WYKY** 100.5 WI Columbus, call letters before oldie 195  
**4 Tr**  
0048 **KLRK** 104.3 MO Vandalia, "FM 104 KMCR Montgomery City-Herman, KLRK Vandalia", k 85  
**5 Au**  
0159 **KGLS** 93.1 KS Pratt 500  
0213 **KCEV** 88.3 KS Wichita, from NNE calls heard, prev Tropo 412  
0218 **KVLT** 106.1 OK Owasso, prev Tr 400  
0227 t **WHWL** 95.7 or **KROA** 95.7, g, fadeout  
0238 **WMEC** 97.3 IN Fort Wayne, prv tr 320  
0242 **KWEC** 89.1 MO Springfield, prev tr 260  
**10 Es**  
1918 **KMOB** 92.9 NE Scottsbluff, KMOR wx 684  
1922 **KCMI** 96.9 NE Terrytown 680  
1923 **KNEB** 94.1 NE Scottsbluff, legal ID 684  
1931 **KQSW** 96.5 WY Rock Springs 950  
1938 **KTRS** 95.5 WY Casper, legal ID 824  
1943 **KTRZ** 93.1 WY Riverton 950  
1951 **KSIF** 96.1 ID Idaho Falls, lite kiss FM  
**13 Es**  
1423 **XHAAA** 93.1 TA Reynosa 1085  
**14 Tr**  
0100 **KGNV** 89.9 MO Washington, calls after USA News, no legal ID 150  
0200 **KBDZ** 93.1 MO Perryville, The New B93.1, KBDZ Perry Plaza, Perryville, nr\$ 200  
**15 Tr: WJEQ 102.7 noted off**  
1504 **WUEZ** 103.5 IL Christopher, Gold Card ad sponsor in Carbondale, calls, b\$ 180  
Normally **WVEM** 101.9 WJEQ mixing product hre  
1607 **WRVM** 102.7 WI Suring, long wx-cast for MI and WI, finally taped this one 333  
1641 **KTEG** 102.9 IA Sioux Rapids, Children's Bible Hour // over the phone 310  
**16 Es**  
1726 **WRSV** 92.1 NC Rocky Mount, end public affairs pgm, now \$, Mono in FM Atlas 765  
1743 **WNHW** 92.5 NC Nags Head, Kitty Hawk ad jingle w/calls, why move from 92.3? 825  
1744 **WOBR** 95.3 NC Wanchese, Beach 95 825  
WVOD t 99.1 NC Manteo "Beach music"  
**16 Tr**  
1900 **WMRI** 106.9 IN Marion, calls thru WSWT  
2100 **WJLY** 93.3 IL Ramsey, legal ID, g\$ 130  
2257 **WFPL** 89.3 KY Louisville, end of pgm produced at WFPL-FM in Louisville, at last! 295  
2300 **WVEZ** 106.9 KY Louisville, legal ID 295  
2333 **KOSK** 104.9 IA Oshaloosa, now k and saying "KBOE", call change, or simul AM?

FRANK MERRILL's report continued.

JUNE 1991 DX

**17 Tropes**

0017 KELO 92.5 SD Sioux Falls, Light 92.5 369

0022 KWVG 93.5 NE Columbus, The Police, Wrapped Around Your Finger on KWVG 93.5 Columbus355

0032 KXNE 89.3 NE Norfolk, "This is Nebraska Public Radio", final c selection 366

0053 KMIT 105.9 SD Mitchell 409

0102 KQYB 98.3 MN Spring Grove, local ad "KQ Hot Country", legal ID/weather 235

0125 KTWB 101.9 SD Sioux Falls, k, calls before & after wx, "Outlaw Country" 369

0227 KDLO 96.9 SD Watertown, dual legal ID with KPLO, after k song, being "lost" to KRIT-IA even during ID 470

0300 KKRL 93.7 IA Carroll, legal ID (sorry, no KGKG-IA) 270

0909 KDBB 104.3 MO Bonne Terre, "BB 104" playing the best mx in the Mineral area 180

0925 WJJY 106.7 MN Brainerd, off back of the antenna1425

0951 KKWS 105.9 MN Wadena, "Super Station K-106", Fergus Dalls ad, etc. 480

**19 Tr**

0448 KCFX 101.1 MO Harrisonville, Shawnee State Bank, KC weather, legal ID "The Fox" 215

0455 WWWW 106.7 MI Detroit, easiest Detroit to pick up here 410

**20 Tr**

0320 KWNC 96.5 SD Sioux Falls 369

0330 KWVG 93.5 NE Columbus, v.good,lg 355

0400 KICT 95.1 KS Wichita 412

KGLS 93.1 KS Pratt 500

KQKY 105.9 NE Kearney 432

KMIT 105.9 SD Mitchell 409

0442 KVGB 104.3 KS Great Bend, "FM 104 & and AM 1590 KVB", rare, over Missouri' 456

0500 KESD 88.3 SD Brookings 430

0530 KXLK 105.3 KS Haysville 410

0551 KISD 98.7 MN Pipestone, "KISD" heard after rap song 375

0601 KCGN 101.5 MN Ortonville, thunderstorm watch, calls,fading below KAYL and KKSJ 480

0625 KJXX 96.1 SD Watertown, Durham Optical in Watertown Mall (STRANGE: Almost exactly 10 years ago today - 6/26/81- I logged this in Ohio via Es with Watertown Mall ad) 470

0700 KSKB 99.1 IA Brooklyn, legal ID "doesn't get out" 130

0703 KKLS 104.7 SD Sioux Falls 369

0705 KHNE 89.1 NE Hastings, NE news 391

0706 KUCV 90.9 NE Lincoln, // 89.1 Nebraska Public Radio 305

29 Es

1350 WTMI 93.1 FL Miami 1160 (heard on car radio near Chelsea, Mich)

JULY 1991 DX

8 Es

1037 WUAW 88.3 NC Erwin, PSA with calls mention Trinton High School 740

1132 KBHT 93.5 TX Crockett, Best Hits 93-5 720

1137 KWVS 97.5 TX Kingsville, calls Bay wx1040

1140 KULE 94.1 TX Brenham, calls tune in 790

July 8th Es cont

1144 KTSR 92.1 TX College Station 745

1150 KPLV 93.3 TX Port Lavaca, saluting DuPont Victoria plant 870

1212 KRTS 92.1 TX Seabrook 810

1254 KTFA 92.5 TX Groves, calls, ad 740

1256 KQXY 94.1 TX Beaumont, Howle's Furniture, "Q94" (they've dropped Y947-gc) 736

1306 KVPI 93.5 LA Ville Platte, on KPVI 680

1312 WTMI 93.1 FL Miami 1165

1327 WNGS 92.1 FL W. Palm Beach 1120

1331 WFLC 97.3 FL Miami, Coast 97.3 1165

1333 WQYK 99.5 FL St.Petersburg 990

1333 WTRS 102.3 FL Dunnellon 900

1339 WGUJ 92.7 FL Marco, "The all New Gulf 92.7 with the best mix of lite rock for SW FL"1095

1344 WCOO 98.3 FL Immokolee 1080

18 Es

1032 KTCL 93.3 CO Fort Collins 760

KRAI 93.7 CO Craig 870

1038 KUNC 91.5 CO Greeley 750

1041 95.1, 96.5 WY Rock Springs relogs 930

1044 KMUS 101.9 WY Burns, "Cheyenne's best k", "K-Moose 102" 730

1048 KISF 96.1 ID Idaho Falls 1146

1053 KKKX 94.1 CO Montrose, brief calls 935

1055 KRIC 100.5 ID Rexburg, pgm promo 1140 with calls, East Idaho wx, etc

1102 KHOW 95.7 CO Denver, K-How-FM 770

1106 KVOB 99.5 CO Denver 770

1110 KCFR 90.1 CO Denver, calls, CO mx festival, song announcement 770

KUVO 89.3 CO Denver 770

1114 K205AZ 88.9 CO Glenwood Springs, "KUWR" (91.9) calls, cowboy song 887

1114 KUWR 91.9 WY Laramie, much stronger, same 790

1123 unID 104.7 "We'll keep you informed on FM 104.7 KFX" Who is this? (oldies) 910

1126 KCWC 88.1 WY Riverton 910

1134 KYYZ 96.1 ND Williston, "Laser 96" non-ID, ads, tickets for ZZ Top in Bismarck, STATE #47 840

1158 KMCM 92.5 MT Miles City 866

1208 KLFM 92.9 MT Great Falls, calls after local ads, "Montana Ford Dealers" 1132

1213 KALS 97.1 MT Kalispell, g "Thank you for listening to 97.1 FM KALS", local ad 1278

1221 KRKX 94.1 MT Billings, ads 968

1230 KOPR 94.1 MT Butte, "A Taste of Butte Fest" report, Copper 94 jingle 1158

1236 KQUY 95.5 MT Butte, ads, Y-95 1158

1240 KBOZ 93.7 MT Bozeman, calls, ad 1079

1241 KMMS 95.1 MT Bozeman, ad "They rap we rock, Montana's mx stn 95.1 KMMS" 1079

1242 KYBS 97.5 MT Livingston, calls, Willie Nelson song "Spirit" (NEAT song, I ended up dubbing it to an audio tape!), k format, not b as in the FM Atlas 1050

1252 KMTX 105.3 MT Helena, ads, had to verify by phone before fade out 1137

1256 CKUA2 99.3 AB Lethbridge, tentative, brief c music, stereo

Franks DX continues on the next page!!

FRANK MERRILL's report continues.

July 1991 Dx

18 Es skip cont from last page

1259 CIMG 94.1 SK Swift Current, It's 18' in Swift Current", 94FM news 1072

1929 XHMT 98.5 YU Merida, cally and city given, quasi-legal ID after l local ads, ESTADO #5 (see note #1) 1400

1936 XHRN 96.5 VE Veracruz, Veracruz mentions in ad, ESTADO #6 1500

1946 XHPR 101.3 VE Veracruz, several Vera. ments in ads, long "Guapo F.M." jingle 1500

1957 XH?? 103.1 legal IS sounded like XHMB later heard Cazumel & Tampico, no mention of a 103.1 in FM Atlas, fady!

2003 XHPS? 93.3 VE Veracruz, briefly in with FM Globo or FM Lobo slogan 1500

2008 XHUA 90.1 CH Chihuahua, Estereo Vida, (Frank, I have heard that XHMP in Tampico uses that slogan now too-gc)

19 Es

1823 WOOJ107.1 FL Lehigh Acres 1095

WZMQ 103.9 FL Key Largo 1190

WEAT 104.3 FL W. Palm Beach, etc 1120

1825 WKZM105.5 FL Sarasota WIRK 107.9 FL W. Palm Beach 1120

1830 WQBA107.5 FL Miami 1165

1839 WOVV 95.5 FL Fort Pierce 1089

1859 WFTE 91.7 FL St.Petersburg 990

1859 WVNO 89.9 LA New Orleans, legal 728

1900 WBVM 90.5 FL Tampa 980

1908 WMTQ 93.5 FL Port St.Joe 780

2226 CBKM 98.5 SK Meadow Lake 1240

**20 Es**

1931 KGCH 93.1 MT Sidney, Sunrise mx ad855

1938 KQDY 94.5 ND Bismarck, ads 662

1939 KMPR 88.9 ND Minot 746

KPPR 89.5 ND Williston 841

KDPR 89.9 ND Dickinson 750

KCND 90.5 ND Bismarck 662

All parallel with River City Folk. Called KCND 90.5 at 1958 whil still tuned to 90.5, heard World of books promo both on phone & radio

1940 KBYZ 96.5 ND Bismarck, Z-96, phone book ad, 322 E. Main Manadan 662

1942 KNDR 104.7 ND Mandan, "Circle of 2" song folo by gm (pop gospel), ad // phone 662

1948 KCGM 95.7 MT Scoobyev, Peerless Auto Body is a KCGM sports sponsor 910

1950 KBQQ 99.9 ND Minot, KBQ-100 746

NOTE 1 (1929, 18 July): XHMT-98.5, like most Es, was logged on the "low" antenna. On the "high" antenna KTJJ-MO presented minor problems. However, all Vera Cruz stations were better on the "high" antenna. Is it possible that the simple 40' difference extended my horizon? It's also possible that the low signals were partially blocked by a 15-foot hill about 200 feet away in the same direction. Whatever the reason, I must have been very close to where the Es signals became a tangent to the Earth's surface. Beyond such point the Es signals are below the horizon and cannot be received, unless Tr or TrS artificially increases the distances. Indeed, when I think about it the Vera Cruz signals faded chopply, like a combination of Es fading and TrS fading, and all were quite weak. XHMT fading was more like traditional Es fading, but it is "that much" closer. There aren't many directions where I can have maximum hop Es without other stations at 1000,1100 & 1200 miles blocking them. Does anybody have further ideas about this? Other thoughts: I hope that I saw some of you in Dunkirk! There's always a lot of fascinating meetings, conversations, etc. to be had. Well, after complaining about a terrible Es season (and you will see almost no Es in my report between 6/3 and 7/8, though I was gone only 6/28 to 7/7), ....FRANK'S COMMENTS CONTINUE ON THE NEXT PAGE

30 Es

1235 Miami area to 101.5 1165

1240 WBGF 93.5 FL Belle Glade 1085

WGYL 93.5 FL Vero Beach 1070

1249 WAIL 99.5 FL Key West 1220

1330 WVFR 91.7 FL Okeechobee, legal ID 1060

1300 WOKC103.1 FL Okeechobee, lgl ID,k 1060

1312 WQBA107.5 FL Miami 1165

1324 WVUM 90.5 FL Coral Gables, full-blown ad for Kinko's Copies 1170

1330 WAVK 106.3 FL Marathon 1230

1331 WCNO 88.9 FL Stuart, promo with calls, said "89.9!" 1070

1337 WAFB 106.3 FL Clewiston 1080

1410 WCOO 98.3 FL Immokolee 1085

1427 WTMI 92.9 FL Miami 1165

1430 WBPT? 89.5 FL Naples, g, faded ater the "W", rats!

1431 WIRK 107.9 FL W. Palm Beach 1120

1435 WFKZ 103.1 FL Plantation Key 1200

1438 WINK 96.9 FL Fort Myers 1070

1441 WSBX 91.5 FL Fort Myers, 91.5 The Spark, the freshest stn in the nation" 1070

1445 WLYF 101.5 FL Miami 1165

1455 WQZN 98.7 FL Key West, mentioned a phone call from Syracuse, IN, then gave a legal ID, for us skipounds I guess 1220

1508 WWUS 104.7 FL Big Pine Key, US1 1220

1530 WAVW 101.7 FL Vero Beach 1070

WLRQ 99.3 FL Cocoa 1025

1535 WOLL 94.3 FL Riviera Beach, Oldies 94.3, over local WRMS, second promo read "our signal is now more powerful" 1120

1545 WSCF 91.9 FL Vero Beach "Christian FM 92 Treasure Coast Forecast" 1070

1555 Z... 104.5 BAHAMAS Nassau, "Youre tuned to the music, FM 104.5 Nassau", rough going on this due to WFMB, COUNTRY #5 1280

AUGUST 1991 DX

1 Tr

0600 WMMC 105.9 IL Marshall, All oldies all the time Oldies 106, legal ID 165

0500 WSYZ 106.1 IN Newburgh, calls,Heat 260





FRANK MERRILL's comments continue.

.....July definitely "rallied" with some excellent openings. In all, a nearly average season, unlike the "horrible" season I was talking about around 6/28 or so. It's very ironic that, of the "Lower 48", I now lack only the most populous state with the most FM stations of any state: California. The nearest area (within 1,450 miles) is mostly low power or on "bad" frequencies (conflicting with Quincy, Macomb, etc, or Arizona stations). Due to state station population (every frequency has something), it's anybody's guess what I'll hear first. I consider KZAL-105.5 the most likely (high power and on a mountain, open frequency, but hampered by high dial position) but maybe only a 10% chance it will be my first, perhaps along with KJMB 100.3, also 10%. Summarizing my mysteries from above (all July 18):

1123 104.7 FM 104.7 KFX, oldies PTA: mountains  
1957 103.1 XHM-(XHMB?), with legal ID, fady, Tampico and Cazumel mentions later. No 103.1 Mexicans in FM Atlas  
2003 93.3 "Radio Globo", or "Radio Lobo", XHPS?

(Frank, note that CCI-AIDS is back, with Matt Sittel volunteering to do it-gc). Any help, I'll be grateful for! I certainly hope I can avoid falling so far behind again. I had to post (to log books) all TV/FM DX for 1991, and it over 20 hours to do so, and to indicate loggings in FM Atlas and Database (TV)/FM total is around 1790. Probably the highlight of the year was the mammoth "Ozarks to Kansas" opening which netted me 12 new loggings of "traditional" class A's (no more than 3,000 watts, on proper frequencies), including the four new 100.9's from AP/OK (also new class A states for me!) within just over an hour. There was no Tr or enhancement to either of the IL stations that normally give me problems there. Likewise, KREJ-KS without WCNL-95.9 IL 73.



We welcome two new reporters to NFMDX this month: John Sullivan, from Schiller Park, Illinois, and Mike Hawk, from Omaha, Nebraska. Hope to see both of you report again!



**JOHN SULLIVAN - 4657 ROSE ST - SCHILLER PARK, ILLINOIS 60176**  
Equipment: Receiver: Sony STR-AV 760 modified with three 180 khz filters, antenna: Sears fringe VHF/UHF FM (manufacturer unknown), channel master mast mounted amplifier, alliance U-110 rotor

**JULY 1991 DX**

**8 E-skip**  
1215 KLDE 94.5 TX Houston  
1240 KUEZ 99.3 TX Luftkin  
1245 KXGC 96.9 TX El Campo  
1254 KMJQ 102.1 TX Houston  
1326 KHET 96.7 TX Austin  
1330 KRYS 99.1 TX Chorus Christi  
1335 KRIO 94.1 TX Floresville

**July 19 E-skip**

1849 WCVU 94.5 FL Naples  
1900 WGNF 98.1 FL Titusville

**96FM WKDD**

**STATION NEWS:** The CRTC has reportedly loosened format restrictions in Canada; thus there are many changes from there to note this month. CJMJ 100.3 in Ottawa is on the air: Magic 100 and a/c. In Hamilton there are two changes: 95.3 becomes CJXY "Y-95" and classic rock. Also, CING 107.9 now has a "sr" format: "Dance 108". CKFM 99.9 Toronto is now "Mix 99.9"; very wide variety of music from dance to pop to a/c and classics; call it "r". Two other rumoured changes: CKNG 92.5 Edmonton to "Power 92" and dance-CHR, and 103.1 Winnipeg to CKLU, "103UFM" and soft a/c. Also CJAY 92.1 in Calgary has gone to classic rock. When I was through the Albany area August 24, 93.5 Hudson was oldies, WRVW "93 Gold". 92.3 Baltimore has gone to a top 40 dance format, and "920"; no new calls yet. WZZP 103.9 South Bend, Ind. will change calls to WRBR and oldies format. In Oklahoma City, 98.9 has gone to "adult top 40" and KYIS, "Kiss 98.9". WZNS 92.9 Dillon, SC is expected back on with classic rock and "Z93" (not unlike their counterpart to the west: WZGC Atlanta, so be careful!) KMRK 96.1 Odessa, Tex. is Unistar country format. Classic rock WNCD 106.1 Nile, Ohio is no longer simulcasting with WWLF 95.1; now they are // WKTX 96.7 Mercer, Pa. In Central Texas, 106.3 Belton is now KOOC, simulcasting KOOV 103.1, country. WAYS 99.1 Macon, Ga is going to oldies.

MIKE HAWK - 10212 P ST - OMAHA, NEBRASKA 68127-2130 (402-592-1186)

Equipment: Sangean ATS-803 w/2 150 filters, Radio Shack 6 element FM up 30' with RG-6 75 ohm coax, Archer pre-amp, and home-made notch filter.

**AUGUST 1991 DX**

**1 Tr (CST)**  
0159 KUNI 90.9 IA Cedar Falls, legal ID  
0200 KHKE 89.5 IA Cedar Falls, legal ID  
0211 KANU 91.5 KS Lawrence, JAZ and ID  
0300 KCFM 107.3 MO Lexington, k, a lot of KEZG, Lincoln interference  
1100 KRES 104.7 MO Moberly, 'Krest Country'  
1103 KEKB 101.7 IA Ft Madison, ID, country  
1106 KLAL 97.7 IA Lamoni, k, ID  
1730 KISD 98.9 MN Pipestone, Kiss FM  
1743 KNXR 97.5 MN Rochester, ads  
1815 KHWK 96.5 MN Rochester, country, ID  
1823 KDLS 101.7 IA Perry, oldies & ID  
1918 KRNA 93.9 IA Iowa City, ID, music  
1923 KIDA 92.9 IA Ida Grove, AC/T-40 & ID  
1930 WGGI 107.5 IL Chicago, ID, CHR. 453 miles, my longest tr catch.  
1941 KWGG 104.9 IA Hamilton, AC, ID  
1945 KMXD 106.3 IA Ankeny, 'Mix 106'  
1948 WOJO 105.1 IL Evanston, SS ads  
1956 KPMH 99.7 IA Muscatine, ID & AOR  
2001 KFGQ 99.3 IA Boone, ID  
2006 RMGO 98.7 IA Centerville, \$, k

I am a new member of the WTPFDA, so a brief introduction is in order. I am 15 years old and a sophomore in high school. I have been FM DX'ing since May, when I got the 6 element on the roof. I have heard about 210 stations so far, with a but 5 via tropo/GW. My lone foreign logging is CJAY-92.1. I am also an active ham radio operator on 10 and 15 meters. That and MW DX'ing are my main hobbies, with 1400 stations heard on MW. Just in case you are not familiar with it, the Sangean that I use for FM DX is virtually the same as the Realistic DX-440 SW/LW/FM portable. I replaced the filters with 150s with the help of Todd Brandenburg. It overloads terribly, but the notch really helps out a lot. I cannot point my antenna N or S because a lot of the local transmitters are located just north of me, and the 6 element antenna's front to back ratio is not to good, so overload also occurs when pointed south. When channel 6, WQWT signs off at night, quite a bit of the overload also 'signs off', so I am looking for a trap to use for FM. I am planning on stacking the Archer 6 element soon, and that should help the front to back ratio and create deeper nulls of the overload. The 8/1 trop lasted 20 hours without a break, and was probably the best of the season for me. The Es has been just as poor here as in the rest of the country. 2 openings on FM brought 4 stations in. I only noted Es on TV 5 times this year. The openings that did hit FM had were short- one was 10 minutes, the other was 16 minutes. Maybe the winter skip season will bring better results. 73's and good DX!

**1 Tr continued**

2100 KWBG 98.3 IA Boone, ID  
2102 WJOD 107.5 IL Galena, k & ID  
**6 Tr**  
2327 KMCX 106.5 NE Ogallala, k & ID  
2330 KXNP 103.5 NE North Platte, ID, k  
2332 KOGA 99.7 NE Ogallala, 'Music 99'  
2334 KJLT 94.9 NE North Platte, religious

**7 Tr**

0008 KRNV 93.1 NE Lexington, AC music  
0018 KPNE 91.7 NE North Platte, classical  
0023 KELN 97.1 NE North Platte, oldies  
0033 KZMC 105.3 NE McCook, AOR  
0159 KTSO 91.1 SD Reliance, 'In Reliance'  
0201 KPLO 94.5 SD Reliance, ID, k

**12 MS**

0140 WTLR 89.9 PA State College, '...in Manchester and here in State..'

**23 Es**

1848 WMTX 95.7 FL Clearwater, ads mentioning Tampa, then ID  
1852 WCVU 94.5 FL Naples, EZL mx, ID  
1855 WYNF 94.9 FL Tampa, AOR, '95-Y'

**MIKE BUAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082**

Equipment: Carver TX11 and Sherwood AM/FM receiver modified with 150 khz filters.

**JULY 1991 DX**

**19 Es**  
1716 WMFQ 92.9 FL Ocala, Q-Lite 96.9  
1720 WINT 94.9 FL Tallahassee, k, TNT  
2038 WOOF 99.7 AL Dothan  
2042 WMMK 92.1 FL Destin, K92, best Country along the coast  
2048 WISM 99.5 FL Ft. Walton Beach, Power 99.5 Kiss FM  
2100 WSTI 105.3 GA Quitman, Star 105.3  
2106 WGPC 104.5 GA Albany  
2115 WJST 94.5 FL Port St. Joe, gospel  
2147 WINK 96.9 FL Fort Myers  
2149 WKTK 98.5 FL Crystal River  
2152 WAVV 101.1 FL Marco, Wave 101  
2154 WHVE 102.5 FL Sarasota, The Wave  
2213 WHGT 105.1 FL Coral Gables, Hot 105  
2216 WEAT 104.3 FL W. Palm Beach, Easy 104  
2217 WQBA 107.5 FL Miami, Spanish

**19 Es cont**

2218 WSFE 103.5 FL Ft. Lauderdale  
2227 WFLC 97.3 FL Miami, Coast 97.3  
2229 WRKX 96.1 FL Bonita Sp, 96.1 K Rock  
2230 WOLZ 95.3 FL Fort Myers, Oldies 95  
2233 WHEW 101.9 FL Fort Myers, k

**20 Es**

1649 WLNE 96.1 AL Montgomery Life and Easy WLNE (Mike, note the solved UNID; this one is new on-gc)  
1658 WMEZ 94.1 FL Pensacola, EZ  
1705 WJMG 92.1 MS Hattiesburg  
1823 KCL 107.5 LA Houma, C107  
1824 WLTS 105.3 LA Slidell  
1828 WYLD 98.5 LA New Orleans, FM98  
1830 KOLL 94.9 AR Pine Bluff, Kool 95.0  
1831 WMC 99.7 TN Memphis, FM 100  
1902 WJST 94.5 FL Port St. Joe, a

The rest of Mike's report is on the next page..

MIKE BUGAJ's report continued.

July 24th Tropo

0715 CBO	91.5 ON Ottawa, mono, traffic
0716 WXXI	91.5 NY Rochester
26 Es	
2049 KMCE	92.1 MO Butler
2052 KTGL	92.9 NE Beatrice, THE EAGLE
classic rock	
2054 unID	92.9 Royals baseball
2104 KUSD	89.7 SD Vermillion
31 Tr	
2254 WFAW	93.3 CT Danbury, g.
WFME-WFRS-WFAR ID	



Check for Halloween DX !!

**BILL NOLLMAN - 35 NYE ROAD - GLASTONBURY, CONNETICUT 06033**

(203) 633-2490, Eq: Sony ST-5130, Carver TX-11a (both modified), Stereo Probe 9 in attic

JULY 1991 DX	July 20 Es	July 20 Es	July 20 Es
10 MS	1812 WLTS	105.3 LA Sidel, Lite 105	1260
0730 WOKK	1814 KCIL	107.5 LA Houma, Bayou Country, C107	1300
*(see note 1)	1818 KNOR	106.3 LA Thibodaux	1280
12 Tr	1821 WDXX	100.1 AL Selma, Dixie 100	1050
2047 WZVU	1828 KHLT	94.1 AR Little Rock, K-Lite	1180
2100 WNVZ	24 Tr		
2101 WMXN	0700 WROX	107.3 DC Washington	
2105 WFOG	AUGUST 1991 DX		
2126 WCTO	12 MS "PERSEIDS DOWNPOUR" (Note #2)		
Magic 94.3, very strict, never heard legal ID	1115 WMDX	94.1 IL Mt. Vernon	900
2130 WKEZ	1150 WCOZ	96.9 KY Lexington, either Cool or Q 96.9 (Someone told me that they were going to become "Kiss-gc)	680
2134 WDLX	1218 WIMI	99.7 MI Ironwood	950
strong for 10 min, then gone!	1220 WMC	99.7 TN Memphis, "It's a Memphis Monday"	1025
14 Tr	1227 KFMH	99.7 IA Muscatine, "Rock Island Brewing Company"	975
0812 WASH	1232 CIRO	99.7 PQ St. Georges de Beauce	325
19 Es	1234 WHET	99.7 WI Sturgeon Bay	750
2122 WUFT	1316 WIMI	99.7 MI Ironwood	
2127 WEZY	1338 WPKR	99.5 WI Waupun	825
2130 WWUF	1414 WQOF	99.7 AL Dothan, Wood FM	1025
2137 WRKX	1448 WDJK	99.7 KY Louisville	700
2142 WRGA	17 Tr		
2142 WHVE	1044 WORC	99.9 MA Barnstable, finally!	110
2150 WEIZ	2151 WEGX	106.1 PA Philadelphia, finally!	190
2200 WDUV	18 Tr		
2200 WLYF	1445 WSHZ	98.3 NY Rotterdam, Show FM	120
2201 WFLC	19 Es		
2210 WAVV	16 tropo, scatter&Groundwave		
2212 WCTH	1056 WFMK	99.1 MI East Lansing, call+ "Lite Rock-99", rm\$	309
Oldies 100- Ketch 100	1111 WQCD	101.9 NY New York, "CD-101.9", j\$	252
2221 WMMO	1136 WJSL	98.9 PA Philadelphia, "Power-99", s\$	223
2225 WSHE	1140 WLW	98.7 NY Utica, call, mr\$	171
2227 WHYI	1230 WAEB	104.1 PA Allentown, call, r\$	183
2228 WEEJ	100.3 Ottawa Ontario is now on with programming. Calls are CJMJ with light rock and some oldies. Non-ID is "Magic-100" but not strict. I had to put the Denon TU-720 tuner to rest after I modified the circuit board with a 1/2" drill bit. I pickup a used Technics ST-8080 tuner. It uses 4 ceramic filters which I'll change to 150khz as soon as I can get them. Dave		
2229 WLRQ			



NOTE #1: See Matt, I was trying to tape Hot 97 for you but all this \$@# DX kept screwing things up!  
 NOTE #2: Decided to head home from Dunkirk Sunday nite instead of driving 8 hours on Monday, and boy what a right move. From about 12:15-12:45 the MS was so strong and constant that 99.7 was usually 4-5 stations deep and almost never blank!! It was almost like weak e-skip. If this is what good MS is like I'm hooked! My MS loggings jumped from 9 to 17. From 12:15-12:45 bursts per minute were probably at 8. For the rest of the 2 hours bursts were around 100 per hour and durations from 1/2 second to 2 minutes. Incredible I could probably tell you almost every song WIMI played that afternoon.

**STATION NEWS:** KIQN 104.3 Rapid City, SD is expected on this fall, with country, "Kickin' 104". WSTR 94.1 Atlanta has drifted into an "adult top 40" format. In South Florida WZZR 92.7 has gone to album rock. WBLI 106.1 on Long Island has changed to an upbeat a/c format. WJET 102.3, "Jet-FM 102" in Erie, Pa. is now "rock 40", similar to the former ill-fated Pirate Radio in L.A. KTXN 98.7 Victoria, is back, K-Texan, mor/ez

**DAVE NIEMAN-12284 NICE RD-AKRON NY 14001-9529**

Equipment: Carver TX-11 modified IF, CM Stereo Probe 9 at 30'. Alliance HD-73 rotor and RG-11 coax. New loggings are underlined. New propagation mode WUWU. New call [K K K K]. Continued from September NORTHERN FM DX column.

JULY 1991 DX	30 ES	1122 WSOR	90.9 FL Naples, call, g\$	1182
16 Tr	AUGUST 1991 DX			
0840 [WXCD]	6 TrS	0103 WNYE	91.5 NY New York (Brooklyn), call, \$, WXXI signs off at 0100	282
ex-WKSG	12 MS	1226 KFUD	99.1 MO Clayton, call+"Classic-99" \$, (prev. tropo)	691
0855 [WUWU]	17 Tr	1231 KDEA	99.1 LA New Iberia, call, \$ (prev. E-skip)	1162
105.5 OH Sylvaia, "3uM"+call, ex-WXEZ, rm\$	14 MS&Tr	0059 KDSU	91.9 ND Fargo, call, \$	951
1000 KFMH	0203 WQBC	0203 WQBC	91.5 OH Oberlin, call, rp\$	232
99.7 IA Muscatine, call, rp\$	20 AU	0910 WFEW	103.7 WI Wauwatosa, "Easy-104", mr, (prev. tropo),	479
1200 WJCH	25 Tr	0100 WVCA	92.3 IN Hammond, call, g\$	467
91.9 IL Joliet, "Family Radio", g\$	0104 WDTD	0104 WDTD	90.9 IL Glen Ellyn, call, j\$	496
504	0809 WQMM	0809 WQMM	97.7 NY Big Flats, "GEM-97-7", o\$	92
0056 WMYX	0900 CBONZ	0900 CBONZ	104.9 ON Gogama, t FF	357
99.1 WI Milwaukee, call, rm\$	0904 CJQM	0904 CJQM	104.3 ON Sault Ste Marie, "Q-104", k\$	379
0121 WZOK				
97.5 IL Rockford, "97-ZOK", r\$				
536				
18 ES				
0941 KDCC				
95.5 KS Dodge City, "K-95", r\$				
1146 KUWR				
91.9 WY Laramie, call, kr\$ "Mostly Acoustic"				
1396				
20 ES				
1755 WBRH				
90.3 LA Baton Rouge, call, \$				
1118				
1822 WPCV				
97.5 FL Winter Haven, call, k\$				
1052				
26 Tr				
1317 WNNR				
103.5 NY Sodus, call, op\$				
79				

Thanks to Bob Seybold for hosting the 1991 WTFDA convention. Dave

**DAVE NIEMAN-HO STA GEH RD-ROCK CITY NY**

Equipment: Antennacraft FM-10 at 15 feet above ground; RG-6 coax. All new to Rock City log.

JULY 1991 DX continued	16 tropo, scatter&Groundwave continued		
27 Tropo&scatter, Gu	1233 WJAL	104.1 OH Cleveland, ...all new "Q-104", rm\$	167
(Carver TX-11 used this time.)	1305 CBOQ	103.3 ON Ottawa, "CBC \$", c\$	272
1409 WCVF	1352 WAVR	102.3 NY Waverly, lcl ads, W\$	98
88.9 NY Fredonia, call, p\$	1500 WJNA	89.7 NY Jamestown, ID w/WNED c\$	42
1425 WFLS	1554 WCIH	90.3 NY Elmira, "Family Wife Radio", g\$	90
93.3 VA Fredericksburg, lcl ads, m\$	1603 WCRH	90.5 MD Williamsport, call, g\$	177
1435 WPHD	1646 WKYS	93.9 DC Washington, ID, g\$	227
93.3 PA Tioga, "92.5-KGB-FM", rp\$	1700 CJLA	104.9 PQ Mirabel, "Radio Fusion", \$	325
1442 WSTW	24 tropo&scatter	(Technics ST-8080 used this time.)	
93.7 DE Wilmington, call, r\$	1130 WSCP	101.7 NY Pulaski, call, k\$ (report from NY State Fair)	154
1513 WQKY	1143 WVFM	102.9 PA Sharon, "Light Rock 102.9", rm\$	116
99.3 PA Emporium, call, r\$	1241 WKDD	96.5 OH Akron, call+"96-FM", r\$	169
1522 WFMZ	1500 WRIJ	106.9 PA Masontown, ID, g\$	171
100.7 PA Allentown, call, b\$	1528 WKXZ	93.9 NY Norwich, "KXZ", mr\$	154
1527 WLIF			
101.9 MD Baltimore, "Lite-102", mr\$			
1550 WKBN			
98.9 OH Youngstown, call, rm\$			
1600 WITF			
89.5 PA Harrisburg, ID, c\$			
1619 WHTF			
92.7 PA Starview, "Starview-92-7", op\$			
167			
1635 WBLI			
107.5 NY New York, call, \$			
252			
AUGUST 1991 DX			
16 tropo, scatter&Groundwave			
1056 WFMK			
99.1 MI East Lansing, call+ "Lite Rock-99", rm\$			
309			
1111 WQCD			
101.9 NY New York, "CD-101.9", j\$			
252			
1136 WJSL			
98.9 PA Philadelphia, "Power-99", s\$			
223			
1140 WLW			
98.7 NY Utica, call, mr\$			
171			
1230 WAEB			
104.1 PA Allentown, call, r\$			
183			

WILLIAM R. HEPBURN - 1211-1547 MISSISSAUGA QLY BLV - MISSISSAUGA ON L5A 3XB  
(EDT)

Equipment: modified JVC R-X330U w/12th floor balcony dipoles  
Realistic PRO-2004 w/indoor 4-bay UHF for UHF STLs

## JULY 1991

1 ES	4 Tr
1953 WRMF 97.9 FL Palm Beach 1170	0148 CFMD 93.9 ON Ottawa 225
1955 WDLV 103.3 FL Bradenton-Sara- St Pete-Tampa 1130	(10 db)
	0214 CJBQ 455.9375 ON Belleville 124
	(AM-800 STL)
	(ex-455.2125)
2004 WDIZ 100.3 FL Orlando 1040	8 ES
WQIK 99.1 FL Jacksonville 920	1258 unid 91.7 ?? "Sunshine Radio" T
	1350 WYFO 91.9 FL Lakeland 1085
2005 WEDR 99.1 FL Miami T	1415 WPAP 92.5 FL Panama City 980
2017 WNFV 94.3 FL Lake City 940	1417 WMNF 88.5 FL Tampa 1100
	1428 WCMQ 92.3 FL Hialeah-Miami 1225
WLVE 93.9 FL Miami Beach- Fort Lauderdale 1215	(SS)
	19 ES
2020 WMTM 93.9 GA Moultrie T	1720 WQBA 107.5 FL Miami (SS) 1220
	1726 WMXJ 102.7 FL Pompano Beach- Ft Lauderdale-Miami 1200
2055 WHEW 101.9 FL Fort Myers-Naples T	
2059 WPCV 97.5 FL Winter Haven- Lakeland-Orlando 1080	1736 WEDR 99.1 FL Miami T
	20 ES
2102 WILN 105.9 FL Panama City 980	1626 MUF 107.5
2138 KODA 99.1 TX Houston T	1640 WCMQ 92.3 FL Hialeah-Miami (SS) T
2 ES	1655 WEDR 99.1 FL Miami 1220
1258 MUF 91.9	
4 Tr	
0147 CBD 91.5 ON Ottawa (mono) T	
	(blank carrier)

WISH 95 fm

Comments: Looking at this report..you'd think that I was LIVING in Florida, hi! I bought a package of 50 switching diodes at Radio Shack and began to mess around some more with my receiver's digital tuning. I've now installed a toggle switch to switch between 0.1 and 0.05 increments. (This same switch simultaneously switches AM between 10 and 9 kHz increments). Too bad the 0.1 increment isn't 0.2! There are 3 places for diodes in the FM section...the 2 for deciding increments..and a third which converts the tuner to the Japanese 76-90 MHz FM band. Handy for future use...especially if our FM band eventually expands to 76-108 MHz..which I think it will. (Music AM stations could switch to FM leaving AM for clear-channel sports, talk, weather, trucker programming, etc. -- a cleanup of the clear channels is the only saviour for AM..as reliable long-distance reception is it's only real advantage over FM. Right now, many of the clear channels are anything but.)  
73s til next time, Bill.

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

Equipment - McIntosh MR-78 tuner/stacked Stereo Probe 9s, with rotor at 40 ft.

## AUGUST 1991

26 Tr	Time: ELT
0609 WRFX 99.7 NC Kannapolis, call + "The Fox", r 487	26 Tr
	2135 WJKR 102.7 NJ Petersburg, ID, Yankee Baseball o/local WNEW 93
	30 Tr
	2209 WRTY 91.1 PA Jackson Twp., j, // to WRTI-90.1 w/WRTI/WJAZ/WRTY ID 58

COMMENTS: A very slow month for DX. Otherwise, a "FM13" was tried for about 10 days but I was less than happy with its performance. Although there seemed to be somewhat better nulls on a few channels (notably 105.5, 106.3, and 107.1 possibly), overall I was less than impressed as I partially or completely lost a number of nulls I now enjoy with the stacked Stereo Probe 9s. I was particularly distressed to completely lose the nulls on WJLK-94.3 and WNWK-105.9 and the loss of WJBR-99.5 and WKSZ-100.3 over locals under average summertime conditions. Some deep nulls on Philadelphia signals were also compromised to varying degrees. No improvement was noted on nulling locals (if anything, that was also reduced) and no improvement on beamwidth, generally speaking, was noted either. Sensitivity on the FM-13, as others have noted, was less than stacked SP9s. I would estimate similar to a single SP9. Although I did not think the FM-13 was a bad antenna (it isn't bad at all), my preference is for the stacked Stereo Probe 9s.

73, Joe

MIKE CHERRY - BOX 631 - GANGES, BRITISH COLUMBIA, CANADA V0S 1E0

(604) 537-5201, PDT. Equipment/Antennas: see previous NFM, @ = mobile logging

## JULY 1991 DX

19 Es	AUGUST 1991 DX
1816 KLNE 88.7 NE public affairs 1311	5 Tr @ Campbell River BC
1817 KZNA 91.1 KS c\$ concert	0645 KINK 101.9 OR Portland, traffic, rp
1824 unID 90.1 "KS90", garage rock	0657 KMHD 89.1 OR, ID, wx, promos
1827 KJLS 103.3 KS ads, Hays refs	0700 KBPS 89.9 OR, ID, NPR news
1830 KANZ 90.5 KS // 91.1	0708 KXYQ 105.1 OR, Q-105, CHR mx 4121
1833 KSRQ 90.1 MN, DJ gave out	0717 KMNT 102.9 WA, k, K-103, \$
request line no with ID, rp\$	0733 KXXO 96.1 WA, Mix 96, AC mx
1838 KQHT 96.1 (MN) Magic 96, AC, \$	0737 KPQD 93.7 OR, g, church PSAs 368
22 Es	0743 KBOO 90.7 OR, rap music 377
0602 KXPQ 88.9 CA Morn. Ed, ID, wx\$739	6 Es @ Comox BC
22 Tr	1012 KPHF 88.3 AZ, g\$, promos
0843 KFFM 107.3 WA CHR, wx, ads\$ 213	1016 KJZZ 91.5 AZ, j\$, fund raiser
0853 KATS 94.5 WA, PSA, ads 213	1018 KNNB 88.1 AZ, native folk music
0900 KFAE 89.1 WA NPR news, ID 279	1023 KQNMt 93.7 NM, mention Gallup
	7 Tr/MS @ Quadra Is., BC
	2200+ Seattle FM's \$ strong 238
	2304 KZLS 97.1 MT, "just north of I-90 at Coulson Park where.."
	11 MS
	2234 CISN 103.9 AB "country Kissin"

HOTFM101

August has finally produced a but more Es. I have been concentrating more on 6 meters and TV for E-skip as I am increasingly getting more and more frustrated by non-IDs on FM stations. Even 10 years ago logging skip was much easier as more stations used their actual calls. Fortunately, I had my FM Atlas with me on my holiday up Vancouver Island. On the 6th I had numerous unIDs whilst driving near Comox. None of them gave calls, just slogans etc. Very frustrating! I finally snagged northern Oregon tropo from Campbell River but no sign of Alaska or Northern BC this year. My May 18 logging of "99X" remains a mystery. Perhaps it was a signal from the first hop zone (Colo. & New Mexico in on 6 meters as well as E-E to south Texas) (Mike, since last month I have confirmed that Brownsville is still KRGY. It probably was, as you say, single hop. Keep an eye on FCC/FM for changes there-gc). Zillions of non-IDs meteor bursts this last month - especially in some of the FM quiet valleys of Vancouver Island where no locals or semi-locals penetrate. Hope the end of the summer skip season is treating everyone better than the first half! .....73\$ Mike VE7SKA

GEORGE C. GREENE - 1527 SUNSET AVENUE - AKRON, OH IO 44301

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

## JUNE 1991 DX

1230 WPHR 107.9 off the air with EZ noted to the SW (???) (There is an EZ on in Delaware, Ohio, I don't remember the calls-gc), country to the west (probably pilsburgh off back) and 2 ACs to the northwest.
---

## JULY 1991 DX

1 Es (Thanks, Matt, for the call)
2058 WZZR 92.7 FL Stuart, top 40 music
2133 KISR 93.7 AR Fort Smith, Kissar Webbs Firework Sport
2100 WMFQ 92.9 FL Ocala
2135 WMT0 93.5 FL Port St. Joe, news
2143 KXXY 96.1 OK Oklahoma City, country music
1 Tr
1950 WBNV 93.5 OH Barnesville, satellite oldies a new semi-local

## AUGUST 1991 DX

23 Es
1824 KEEZ 97.3 TX San Antonio, country music (George, is this a call change from KAJA?gc)
1829 KTRR 96.3 TX Del Rio, top 40, Power 96

## AUGUST 23 Es cont

1831 KBTS 93.3 TX Killeen, top 40, B-93 Foley's ad, jock was Linda Energy
1832 unID 93.3 Paul Harvey news with KBTS
1834 KSRR 92.9 TX San Antonio, a/c music, traffic watch, "new Star 93"
1855 KSAQ 96.1 TX San Antonio, AoR, 96 Rock
1839 KPLE 104.3 TX Temple, country "supersta"
1841 KQXT 101.9 TX San Antonio, soft a/c music KLRN-TV spot, "KQ102" beach report
1858 KBNJ 91.9 TX Chorus Christi, legal ID
1906 KTFM 102.7 TX San Antonio, Hot 103, urban
1908 KLVE 107.5 TX San Antonio, tent. reception
1912 KLCR 102.3 TX Center
1918 KYTX 97.9 TX Beeville, "Y98", oldies
1930 KVIC 95.1 TX Victoria, "adult hit radio" slogan
2001 KIWW 96.1 TX Harlingen, Spanish music English ID, including 100,000 watts, FM Stereo
2008 KVMV 96.9 TX McAllen, religious
1945 unID 102.5 country music, "K-102.5" (George KMKS uses that slogan, but they are adult con-gc)
GEORGES COMMENTS ON NEXT PAGE



**Northern FM DX**

**October 1991**

**GEORGE GREENE's comments**

As others have noticed, "skip" has been fairly scarce this season. No big week of FM DX in early July this year, but July 1st itself did feature some skip. The surprise, tho, was Friday the 23rd of August, which had a strong but narrow opening to the Corpus/San Antonio/McAllen area. Now let's see what happens with the fall tropo. New catches are underlined. 73, George.

**ROBERT S. ROSS VE3 JFC - BOX 1003 STN B - LONDON, ONTARIO CANADA N6A 5K1**

Equipment: Marante 2226B, FM beam for antenna

**JULY 1991 DX**

**26 Es**  
2310 KNTU 88.1 TX Denton, wx rpt, calls  
**30 Es**  
2355 WMNF 88.5 FL Tampa, gave ID and address in Tampa, 2 OM DJ's tx  
1826 WAYJ 88.7 FL Ft. Myers, Christian Hit Radio, Way FM 88.7", ID, gospel rock  
1830 WEQW 92.5 FL Key West, rock mx, "You're locked into Flow- 92.5 FM"

**AUGUST 1991 DX**

**7 Tr**  
2352 WTUZ 99.9 OH Ulrichsville, cw, "This is Z-Country, WTUZ Ulrichsville", CNN news  
**13 Tr**  
0058 WJJA 89.7 NY Jamestown, wx @ 0058, gave Buffalo temp, "94.5 WNED in Buffalo & 89.7 WJJA Jamestown", classical music

**dBURCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2**

Equipment: JVC JRS 201, receiver (mod w/3 150 filters) Magnum Dynalab 205 signal sleuth probe 9 fed with RG6 at 50' AGL, Crown Rotor, distances are in kilometres.

**JULY 1991 DX**

**29 GW**  
0702 CIMX 88.7 ON Windsor, p, 89X (ex Mix FM) "CIMX in Windsor/Detroit", Cure mx 253  
**31 Tr**  
0715 (WKKO) 99.9 OH Toledo, k, K100, ex WKLR Under CKFM 99.9 Toronto 40kw at 50 km. 313

**AUGUST 1991 DX**

**5 Tr**  
0850 WDBM 88.9 MI E.Lansing, p, Impact (ex 89FM) "89 FM The Impact" 350  
**7 GW**  
0700 WJJA 89.7 NY Jamestown, c // WNED 94.5 Buffalo, legal ID for both 192  
**12 MS/TrS**  
0600 WYOD 99.1 NC Manteo, m "99VOD" hrd 886  
0650 WWSW 94.3 MI Mackinaw City, m, WS Simon and Garfunkel mx after sports 460  
**13 MS**  
0037 WEDR 99.1 FL Miami, s\$, 99 Jams 1909  
0900 CHIQ 94.3 MB Winnipeg, r, Q94, "Good morning it's 6 o'clock, Q94 satellite weather, hot time in the old town tonight continues today at least and tomorrow, right now in WINNIPEG we have 18 degrees" Stronger and longer than previous log on June 20, 1991 1518

**August 20 GW**

0803 CFRU 93.3 ON Guelph, p after my phone request for song, "New Order, a request from Brantford this morning, this is CFRU 93.3 FM in Guelph, were testing power increase, were broadcasting at 250 watts", former 50 watts 70  
**22 Tr**  
0714 WHTX 96.1 PA Pittsburgh, ro, Variety 96 New non ID (Bruce, new calls: WVTY-gc) 309  
**23 Tr**  
0700 WZRO 98.3 IL Farmer City, k, "At 98.3 FM Five county country WZRO Farmer City - Champaign" followed by news 773  
**24 TrS**  
0720 WSNX 104.5 MI Muskegon, r, Sunny FM Muskegon's better mix 104.5 Sunny FM 495  
0743 WOKT 104.5 OH Wooster, k, after sports "52,000 watts power house" at 0756 299  
**24 TrS**  
0849 WRKY 103.5 OH Steubenville-Wheeling, r, "Rocky 103.5", under CIDC, 70 km away 322  
**25 Tr/TrS**  
0700 WCCR 92.7 PA Clarion, r, C93, "92.7 your home of continuous rock WCCR Clarion C93FM" under CJBX London 50 kw, 60 km away 230  
0800 WOLW 91.1 MI Cadillac, g, after USA RADIO news, under CJRT at 50 km away 437

Finally found a way to null my strong locals. I have to off-tune both Sleuth and JVC below desired frequency to distort local and of course a lot of antenna orientation is required too. I wonder if my MAGNUM DYNALAB omni directional whip at 55' could be phased with my Probe 9. Both have 75 ohm leads and are 5' apart? Most happy with CHIQ WINNIPEG heard many times during PERSOID shower on tape. Also thought I has E-skip opening 08/13 at 0037 WEDR but after talking to BILL NIENAJADLY about it, we both felt it was ms. I have a 13 minute continuous log in stereo at times but signal was uneven and wavy. Kudos to BOB SEYBOLD for hosting another successful convention. Enjoyed meeting all again and hope to see more of you next year. Thanks again Bob! 73  
**MORE STATION NEWS-** WMJQ 102.5 Buffalo is now hot a/c, with a "Q-102" slogan. WBNV Barnesville, Ohio (93.5) is on with oldies. KHYI 94.9 Dallas may be dropping their top 40-dance "Power 95" format soon, more later. WQEN 103.7 Gasden, Alabama is a/c.

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

Equipment: McIntosh MR-78 FM Tuner with two CM stereo Probe 9 antennas and rotors at 38 and 36 feet above ground with phase box built by Andy Bolin - Charleston, IL

**July 1991 (CDT)**

**12 MS**  
???? KNTU 88.1 TX Denton 809  
**15 MS**  
0522 WAYJ 88.7 FL Fort Myers 959  
**15 Es**  
2000 KENW 89.5 NM Portales, \$ 1071  
**17 tr**  
0000 WKER 104.5 WI Plymouth-Sheboy- 275  
(o/WAJC 104.5 IN Indy) gan, rm\$ 50  
**18 Es**  
0928 KUVO 89.3 CO Denver, t\$ 1040  
0929 KCFR 90.1 CO Denver, nx\$ 1040  
0929 KWBI 91.1 CO Morrison, g\$ 1040  
1012 KRDO 95.1 CO CO Springs, b\$ 1040  
1033 KRAI 93.7 CO Craig, o\$ 1150  
1039 KEPC 89.7 CO CO Springs, r\$ 1040  
ex-90.5  
1044 KHOW 95.7 CO Denver, ex-KSYY 1040  
1132 KQSW 96.5 WY Rock Springs, k\$ 1255  
**19 tr**  
0000 WMLI 96.3 WI Sauk City-Madi- 309  
(o/WBBM 96.3 IL Chicago) son, r\$ 165  
0003 KRIT 96.9 IA Clarion, r\$ 455  
**19 Es**  
1800 WUWF 88.1 FL Pensacola, nx\$ 682  
1820 WFIT 89.5 FL Melbourne, p\$ 885  
1828 WFLC 97.3 FL Miami, r\$ 1040  
1830 WMFE 90.7 FL Orlando, c\$ 836  
1836 WNCM 88.1 FL Jax, calls, \$ 712  
1844 WMMZ 93.7 FL Ocala, ads, \$ 782  
1852 WCMQ 92.3 FL Hialeah-Miami, 1030  
"FM Noventa y Dos" SS, 1\$, Miami ads  
1900 WMGF 107.7 FL Mount Dora- 814  
"Magic 107.7" Orlando, r\$  
1905 WKQL 96.9 FL Jax, o\$ 712  
1906 WAOA 107.1 FL Melbourne, s\$ 885  
1909 WIVY 102.9 FL Jax, ads, r\$ 712  
1916 WQOL 103.7 FL Vero Beach, r\$ 912  
1918 WAPE 95.1 FL Jax, ads, r\$ 712  
1923 WAXY 105.9 FL Fort Lauderdale- 1018  
"Mix-105.9" Miami, r\$  
1926 WKIS 99.9 FL Boca Raton, k\$ 1002  
**20 Es**  
1913 KMCM 92.5 MT Miles City, r\$ 1100  
1920 KYIA 93.3 MT Billings, ads\$ 1222  
1925 KIDX 98.5 MT Billings, ads\$ 1222  
1929 KECC 90.7 MT Miles City, 500w 1100  
1940 KIKC 101.3 MT Forsyth, ads, k\$ 1130  
(o/WFGM 101.3 IN Richmond) 40  
1949 KZLS 97.1 MT Billings, rp\$ 1222  
(o/WENS 97.1 IN Shelbyville-Indy) 50  
**21 tr**  
2000 WSEK 97.1 KY Somerset, k\$ 230  
(o/WENS 97.1 IN Shelbyville-Indy) 50  
**22 tr**  
0101 WWVQ 105.3 KY Glasgow-Bowling 225  
ex-WOVO 105.5 KY Glasgow Green, r\$  
**30 MS**  
???? WUWF 88.1 FL Pensacola 682  
**30 Es**  
1240 WSRX 91.5 FL Fort Myers, rp\$ 959  
1255 WOLZ 95.3 FL Fort Myers, o\$ 959  
1500 WEOW 92.5 FL Key West, r\$ 1100  
1313 WCVU 94.5 FL Naples, b\$ 992

**30 Es (July cont'd)**

1315 C--- 103.7 CU Havana, SS mono 1191  
(mentioned Havana and Cuba)  
1319 WAIL 99.5 FL Key West, rp\$ 1100  
1320 WTIS 107.1 FL Key West, r\$ 1100  
1336 WINK 96.9 FL Fort Myers, r\$ 959  
1340 COCO 97.7 CU Havana, SS mono 1191  
(COCO calls given five times)  
1352 C--- 95.9 CU Havana, SS nx 1191  
ID: "Radio ReLoj," 250w  
1400 WSEB 91.3 FL Englewood, g mono 930  
1410 WAYJ 88.7 FL Fort Myers, g\$ 959  
1412 C--- 100.7 CU Havana, 1\$ 1191  
ID: "Radio Cadena Havana"  
1451 WJIS 88.1 FL Bradenton, g\$ 892  
1457 WUSF 89.7 FL Tampa, c\$ 861  
1500 C--- 93.7 CU Havana, b\$ 1191  
ID: "Radio Enciclopedia"  
1511 C--- 102.9 CU Havana, SS mono 1191  
ID: "Radio Metropolitana"  
1522 WSOR 90.9 FL Naples, g\$ 992  
1531 WAKS 103.7 FL Cape Coral- 962  
"Kiss-103.7" Fort Myers, r\$  
1535 WAVV 101.1 FL Marco, r\$ 1006  
1537 WEEJ 100.1 FL Port Charlotte, r\$ 931  
1541 WMNF 88.5 FL Tampa, \$ 861  
1547 WQIM 92.9 FL Punta Gorda- 955  
ex-92.7 Port Charlotte, mr\$  
1550 WYNF 94.9 FL Tampa, r\$ 861  
1557 WCKT 107.1 FL Lehigh Acres, k\$, 962  
"Cat Country-107"  
1603 WHQT 105.1 FL Coral Gables, r\$ 1040  
1617 WUUS 104.7 FL Big Pine Key, r\$ 1100  
1621 WTKK 98.5 FL Crystal River, r\$ 795  
1625 WSHF 103.5 FL Fort Lauderdale, r\$ 1018  
1630 WGUF 92.7 FL Marco, wx\$ 1006  
1635 WPKZ 103.1 FL Plantation Key, r\$ 1088  
1638 WSEY 94.1 FL Lakeland, b\$ 861  
1641 WKIS 99.9 FL Boca Raton, k\$ 1002  
1644 WRMB 89.3 FL Boynton Beach, g\$ 992  
1644 WCNB 89.9 FL Stuart, g\$ 944  
1653 WQVE 93.9 FL Miami Beach, ads\$ 1040  
1656 WMCU 89.7 FL Miami, g\$ 1040  
1659 WXEL 90.7 FL W. Palm Beach, t\$ 979  
**31 Es**  
1521 WSCF 91.9 FL Vero Beach, g\$ 912  
1524 WQGS 88.9 FL Fort Pierce, c\$ 926  
1526 WKFX 88.5 FL Sunrise, p\$ 1010  
1537 WZZR 92.7 FL Stuart, r\$ 944  
1538 WMCU 89.7 FL Miami, g\$ 1040  
1544 104.5 BA Nassau, r\$ 1165  
(o/WAJC 104.5 IN Indy) 50  
1553 WKFZ 103.1 FL Plantation Key, \$ 1088  
1559 WAPN 91.5 FL Holly Hill, g\$ 798  
1600 WMBE 91.5 FL Cocoa-Melbourne, g\$ 859  
1610 WUUS 104.7 FL Big Pine Key, ad\$ 1100  
1612 WIVY 102.9 FL Jax, "Y-103," r\$ 712  
1615 WKLG 102.1 FL Rock Harbor, k\$ 1080  
1619 WMXJ 102.7 FL Pompano Beach, o\$ 1009  
1624 WLRQ 99.3 FL Cocoa, ads\$ 859  
1633 WFIT 89.5 FL Melbourne, p\$ 885  
1650 WCAC 105.5 FL Sebring, ad\$ 905  
1659 WONE 98.1 FL Titusville-Daytona 840  
"Frog-98," Daytona ads, k\$  
1700 WAFG 90.3 FL Fort Lauderdale, g\$ 1018

- continued -

31 Es (July cont'd)	22 tr (Aug cont'd)
1703 WOVV 95.5 FL Fort Pierce, r# 926	2310 WUPS 98.5 MI Houghton Lake, r# 282
(o/WFMS 95.5 IN Indy) 50	(o/WNWN 98.5 MI Coldwater) 122
1714 WMMO 98.9 FL Orlando, r# 836	2359 WSMK 99.1 MI Buchanan, mr# 125
(o/WBYR 98.9 OH Van Wert-Fort Wayne) 100	(o/WFMK 99.1 MI East Lansing) s/off182
1716 WQOL 103.7 FL Vero Beach, ads# 912	23 tr
1720 XHMT 98.5 TU Merida, SS, ads# 1351	0300 WSTD 96.9 MI Standish, r# 278
(mentioned Merida, Cancun, and Yucatan)	(o/WLAV 96.9 MI Grand Rapids) 192
August 1991	1100 WABT 103.9 IL Dundee- 193
6 MS	
0650 KFNF 101.1 KS Oberlin 795	23 Es
0652 KWXX 101.1 OK Woodward 802	1712 KNAV 92.5 TX Navasota, o# 915
8 MS	(Station # 2000 !!)
2229 WJIS 88.1 FL Bradenton 892	1718 KATG 94.7 TX Luling-Austin, k\$ 998
9 MS	(o/WFBQ 94.7 IN Indy) 50
0217 WKRY 93.5 FL Key West 1100	1723 KVIC 95.1 TX Victoria, rp\$ 1027
0333 WZDZ 93.5 NC Shallotte, 577	1726 KAJA 97.3 TX San Antonio, k\$ 1050
Previous Es	1731 KSWF 91.1 TX Lufkin, g\$ 805
12 MS	1733 KBWC 91.1 TX Marshall, calls 723
0148 WKRY 93.5 FL Key West 1100	1733 K214BE (TX Tyler KVNE 89.5)
0324 KWMG 93.5 NE Columbus 632	90.7 LA Shreveport, g\$ 706
0500 WHBC 94.1 OH Canton-Akron, 215	1735 KSRR 92.9 TX SAT, r\$, ex-KITY 1050
(closest MS) Previous tr	1737 KPLE 104.3 TX Temple, nx\$ 905
???? KSCS 96.3 TX Fort Worth 839	1739 KERE 106.3 TX Kermit, k\$ 1150
???? KSCS 96.3 TX Fort Worth 839	1752 KNUF 101.5 TX Tyler, nx\$ 773
???? KSCS 96.3 TX Fort Worth 839	1800 KBNJ 91.9 TX Corpus Christi, g\$ 1098
???? KSCS 96.3 TX Fort Worth 839	1801 KIWW 96.1 TX Harlingen, SS\$ 1210
???? KSCS 96.3 TX Fort Worth 839	1804 KQVE 102.9 TX Houston, nx\$ 915
???? KSCS 96.3 TX Fort Worth 839	1808 KDBH 97.7 LA Natchitoches, nx\$ 723
1109 KLLL 96.3 TX Lubbock, 1017	1809 KMXR 93.9 TX Corpus Christi, r# 1098
Previous Es	1819 KL0L 101.1 TX Houston, ads\$ 915
1122 KSCS 96.3 TX Fort Worth 839	1824 KJJC 88.1 TX Pasadena, g mono, 913
1239 KSCS 96.3 TX Fort Worth 839	(Station # 51 on 88.1, my best freq)
13 MS	1826 KZSP 95.3 TX S Padre Island, o\$ 1190
0146 KWMG 93.5 NE Columbus 632	1834 KLTR 93.7 TX Houston, mr\$ 915
???? UNID 91.1 ?? ?	1836 KBCE 102.3 LA Boyce-Alec., ads\$ 730
14 MS	1841 KTFA 92.5 TX Groves, ads\$ 855
???? WJIS 88.1 FL Bradenton 892	1859 KTKB 89.7 TX Beaumont, g\$ 854
15 tr	25 tr
2300 WTRJ 96.9 OH Troy, o# 60	0347 WLEW 102.1 MI Bad Axe, r\$, 278
(new and very poor signal here - good!!)	ex-92.1 "Cruise-102.1"
20 tr	(o/WIMT 102.1 OH Lima) 78
0128 WNLT 104.3 OH Harrison-Cincin- 72	0422 WTLZ 107.1 MI Saginaw, s\$ 235
(o/WLBC 104.1 IN Muncie) nati, gr# 6	(o/WAMX 107.1 MI Ann Arbor) 169

## Meteor Scatter Results:

7/12 KNTU "...and your jazz and more station, KNTU..."

7/15 WAYJ "...each month we ask for your support, because we are listener supported. Your church asks for your support. Your tithe goes to the church, and your extra money goes to Way-FM, if that's where you want it to go...and need your continuing support. Way-FM..."

7/30 WUWF "...Coming up on our program this morning, we'll hear the Pensacola Symphony Orchestra perform music of Beethoven..."

8/6 KFNF "...first of all in Kansas, Goodland reporting fog with mild visibility, 65 degrees, partly cloudy... FM-KFNF..."

KWOX "...The Woodward art sale..."

8/8 WJIS "...Hi, I'm Jack Cartwright For New Life In Christ Fellowship in Tampa..."

8/9 WKRY "...makes you feel good on Key-93..."

WZDZ "...Good morning. I'm John Morrison in the WZDZ weather center..."

8/12 WKRY "...and breakfast and gourmet burgers all our own - Mary's of Key West..."

KWMG "...93.5 KWMG..."

WHBC "...WHBC-FM Canton-Ak..."

KSCS "...Please welcome to the KSCS microphone, ladies and gentlemen, the one the only, Ervil Hicks. You know what makes me sick?...I'm gonna braid my nose hairs in pigtails and call myself..."

KSCS "...Fort Worth members... based on saleries in Dallas..."

KSCS "...with KSCS traffic..."

KSCS "...When it comes to child care, saving \$75.00 isn't the only reason.....KSCS..."

- continued -

8/12 KSCS "...KSCS back to back country all day all weekend. This is your country leader 96.3 KSCS..."

8/12 KSCS "...96.3 KSCS at home, work..."

KLLL "...K-Triple-L, country for the 90's. George Strait...ha ha, oh well anyway - Mark Chestnut and You're Love is a Miracle...It's 11:09...Did he really say that? Yes he did, and partly cloudy, 72 degrees. Don't forget, it's the Triple L South Plains Mall bypass. Your chance and your opportunity to win one, one of three, yes count 'em, 1-2-3 \$1,000 shopping spree we're gonna give away, and you have a chance to win that. Keep listening - country for the 90's K-Triple-L..." (one minute burst)

8/12 KSCS "...96.3 KSCS. It's 11:22. We're rollin' through ten back to back hits at the home of the thousand dollar bumper sticker. Here's..."

KSCS "...96.3 KSCS. E.T. Conway and A Shadow of a Doubt. It's 12:39 KSCS..."

8/13 KWMG "...93.5 KWMG..."

UNID "...Our address in Bermuda is ZEM Box 922 Rurick, Bermuda. WKBX - Here's the friends weather forecast to..." (Can anyone help???)

8/14 WJIS "...Memorial Hospital, Bradenton. For more info contact us here at Joy-FM. More of your positive hits - WJIS Bradenton-Sarasota-Fort Myers-Tampa Bay..."

After complaining about poor reception in June, July and August turned out to be much better. July 30-31 found the best skip opening to FL, Cuba, and the Bahamas I've seen here. Many thank yous to Arnie Coro for sending the Cuban FM information. I was able to ID six Havana stations. The only discrepancy found (July VUD, p. 22), is that Radio Metropolitana is on 102.9 rather than 102.7. (A typo?) Those heard broadcasting in stereo were 93.7 95.1 and 100.7. I did hear 95.1 c#, and 90.3 SS mono, but could not ID either, so uncountable. 92.1 and 98.7 were not heard due to my local on 92.1 and 98.7 in Key West, FL which was blasting in!

The listing of "FM Operations in the Caribbean Area," (August VUD p. 8-9), is interesting and nice to have. However, I find two omissions. A 103.7 SS mono station mentioning Havana and Cuba frequently was heard by Dave Brunfield, Richmond, IN, Andy Bolin, Charleston, IL, and myself. Perhaps a new station has come on the air recently in Havana? A 104.5 Nassau, Bahamas is also missing from the list. I note that a 107.1 and 107.9 are given for Nassau. The 107.1 was heard by Keith Pugh in AL, but has anyone ever heard the 107.9? Does it exist?

On July 31 Dave Brunfield called me from Richmond, IN as he was getting 104.5 in the Bahamas. I tried for it, but WAJC Indianapolis dominated. I began adjusting my phase box, and bingo! The Nassau station came in o/WAJC with the DJ announcing birthday greetings to area residents. Then he said, "The afternoon drive at 104.5, the music favorite in Nassau." After a song was played, I heard the DJ mention Bahamas. The Es was barely strong enough at the time to receive this station. Without the phase box, it wouldn't have been there.

I wrote WXUT at the University of Toledo to ask if they and WXTS, Toledo Public Schools, had separate transmitters. After three months, an answer was received. The only thing WXUT and WXTS share is the frequency. WXUT has an ERP of 100 watts with a height of 57.5 meters, while WXTS is still at 107 watts with a height of 38 meters. The WXTS cp of 1988 never materialized, as they didn't receive the needed money for a power increase. Keith Bergman, Traffic and Continuity Director of WXUT said, "We went open-air November 2, 1990, and the response so far from the Toledo community has been phenomenal. WXUT previously was carried by the Buckeye Cable System at 106.1 FM." WXUT & WXTS are on 88.3.

Andy Bolin and I have locals on 92.1. Andy bet me a coke he could log a station by Es on 92.1 over his local before I did. Well, I lost. Andy taped WCTQ Venice, FL mixing with his WEIC local, only 2.7 miles from his house at 5100 watts! I heard his tape mention "92-CTQ," when he played it over the phone for me. This shows us what a phase box can do. Andy would be willing to draw up an installation and use manual and sell his invention at a reasonable price if enough DXers were interested in purchasing a phase box. No, I was not given a schematic, nor did I ask for one. After a year of experimenting and \$800.00 in parts, Andy finally came up with the right solution. One may write to Andy at 709 Lincoln, Charleston, IL 61920. His telephone: (217) 345-5778. Not only does Andy build boxes for FM, but also for TV channels 2-6 and 7-13. There are phase boxes on the market, but Andy says, "Beware!" The ones he has seen advertised can not search in a 360 degree circle and often times one has to change cable lengths for each frequency, which would be total nonsense for us DXers. I recommend to everyone to investigate the Andy Bolin phase box.

Am I the third person to log over 2,000 FM stations from one location? I'll be watching FM Statistics when Fred Nordquist has his column. More later! 73-Ralph



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

Equipment: Magnum Dynalab FT-101A, Stereo Probe 9 at 27 wrotor, RG-11u feed, Magnum 205 amp

## JULY 1991 DX

1223 WMMZ	93.7 FL Ocala, r\$, Z93	983
1225 WRKX	96.1 FL Bonita Spgs, K-Rock	1173
1232 WQLM	92.9 FL Ocala, r\$, ID	
(Jeff, WQLM is in Punta Gorda, Fla.-gc)		
1234 KMOO	96.7 TX Mineola, events\$	1080
1239 WJIS	88.1 FL Bradenton, g\$, Joy FM	1102
1241 WCIE	91.1 FL Lakeland, g\$	1087
1243 WCVU	94.5 FL Naples, b\$, Seaview	1184
1254 WOLZ	95.3 FL Ft. Myers, ro\$, Oldies 951158	
1257 KSBJ	89.3 TX Humble, wx rpt\$	1211
1259 WDDQ	92.1 FL Adel, tourist info, mono	861
1309 KNCT	91.3 TX Temple, only weak ID	1207
1318 KTKX	91.5 TX Texarkana, lengthly newscast\$	1000
1322 KBHT	93.5 TX Crockett, local ads	1154
1330 KDQN	92.7 AR DeQueen, ad for	
Jeans Jeans	Jeans in downtown DeQueen	967
1930 WQLM	92.9 FL Punta Gorda, ads, ID\$	1140
1933 WUJM	94.3 SC Goose Creek, rs\$ 94 Jams	726
1937 unID	93.9 ads for stores in Safety Hbr new station? (Maybeit was a different Safety Harbor-WEZY 94.1 seems too close-gc)	
1939 WKQA	94.5 SC Murrels Inlet, contest promo\$, Coast 94.5	693
1944 WRMF	97.9 FL Palm Beach, r\$, ID	1157
1946 WYBB	98.1 SC Folly Beach, kr\$	753
1947 WSUY	100.7 SC Charleston, rm\$ Sunny 100 FM	739
1949 WSTE	101.1 FL Cocoa Beach, rm\$	1036
1950 WEZL	103.5 SC Charleston, k\$, The Weasel	739
1952 WXCX	102.5 SC Charleston, ro\$, ID	739
1954 WDAF	105.5 SC Darlington, r\$, Magic 105 1/2	633
1957 WSYN	106.5 SC Georgetown, ads\$	707
1958 WHCJ	88.5 GA Savannah, ID\$	796
2000 WRMB	89.3 FL Boynton Beach, wx\$	1190
2015 WQOL	103.7 FL Vero Beach, ro\$, Q-103.7	1097
2017 WIRK	107.9 FL W. Palm Beach, k\$, ID	1175
2018 WQBA	107.5 FL Miami, SS ballads\$	1218
2020 WHLG	102.3 FL Jensen Bch, wx, weak	1118
2021 WHYI	100.7 FL Ft. Lauderdale, Y100\$	1215
2028 WMNF	88.5 FL Tampa, ID\$	1087
2029 WMFE	90.7 FL Orlando, ID\$	1034
2031 WAPE	95.1 FL Jacksonville, ID\$	919
2032 WXDJ	95.7 FL Homestead, SS ads\$	1225
2033 WLOW	106.9 SC Bluffton, m\$, wx rpt	775
2036 WXXL	106.7 FL Leesburg, rs\$, XL106.7	
2038 WOCL	105.9 FL DeLand, ro\$, Cool 105.9	993
2040 WFYV	104.5 FL Jacksonville, r\$, Rock 105	920
2043 WLRQ	99.3 FL Cocoa, m\$	1036
2045 WMMQ	98.9 FL Orlando, rm\$, ID	1034
2046 WKGR	98.7 FL Ft. Pierce, r\$, Gator	1138
2047 WDIJ	100.3 FL Orlando, r\$, ID	1034
2048 WIVY	102.9 FL Jacksonville, rm\$ Y103	919
2049 WSHE	103.5 FL Ft. Lauderdale, r\$	1216
2050 WRBQ	104.7 FL Tampa, ID\$	1087
2054 WMGF	107.7 FL Mount Dora, rm\$, The New Magic 107.7, ex WJYO	1015

## July 1st Es cont.

2055 WCRJ	107.3 FL Jacksonville, k\$ Rooster 919	
2056 WAOA	107.1 FL Melbourne, r\$, 107A1A	
2057 WWRM	107.3 FL St. Petersburg, weather report, Warm 107 \$	1065
2059 WCIE	106.3 FL Melbourne, ads\$, ID	1061
2102 WEAT	104.3 FL W. Palm Beach, ID\$	1175
2106 WCGO	98.3 GA Jesup, ro\$ Coast 98.3 FM	818
2115 KUEZ	99.3 TX Luftkin, rs\$	1109
2117 KULF	94.1 TX Brenham, local BB\$	1149
2125 KBAU	94.3 LA Galliano, Bayou 94\$	1113
2126 WPCV	97.5 FL Winter Haven, k\$ 97 Country	1064
2132 KAFX	95.5 TX Diboll, ads\$	1135
2133 WBAD	94.3 MS Leland, rs\$, Bad 94	873
2135 KWKH	94.5 LA Shreveport, k\$, ID last logged as KROK	1009
2158 KRTS	92.1 TX Seabrook, c\$, ID	1233
2200 KGRM	91.5 LA Grambling, ID\$	1069
2241 KQMN	91.5 MN Thief River Falls, news \$, 1st MN logged via Es here!	756
1242 KCCM	91.1 MN Moorehead, news\$	792
1243 KBPP	90.7 MN Brainerd, news\$	662
1246 WIRR	90.9 MN Virginia, news\$	625
1250 KCRB	88.5 MN Bemidji, news\$	688
1310 KQSD	91.9 SD Lowry, c\$, CST Time Checks. ID given at 1330 for South Dakota Public Radio translators on 91.9. This was much too strong to be a translator I think.	
5 GW		
0458 CJFT	101.1 ON Ft. Erie, m\$, FM 101 Logging #1200	138
10 GW/Trs		
2130 WBTI	96.9 MI Lexington, r, B-96.9, IDs with Sarnia-Port Huron. Was testing with a continuous heartbeat sound until its debut July 13 at 1200	60
2157 WMDH	102.5 IN New Castle, k\$, ID	325
14 Au		
0737 KLOU	103.3 MO St. Louis, ro, Clue 103	579
0743 WILT	92.3 MO St. Louis, k	
18 Es		
1958 WCKW	92.3 LA LaPlace, r\$	1064
2000 WMBV	91.9 AL Dixons Mills, g\$ Family Radio	862
2001 WQST	92.5 MS Forest, k\$, Mississippi Country	892
19 Es: MUF over 144 Mhz at 2030		
2006 WNFBJ	94.3 FL Lake City, r\$, B94 ex: WQPD	919
2008 WCTQ	92.1 FL Venice, k\$, ID	1129
2008 WFLZ	93.3 FL Tampa, rs\$, Power Pig	1087
2009 KLTY	94.1 FL Ft. Worth, r\$, ID	1130
2011 WFLC	97.3 FL Miami, r\$, South Florida's Coast	1218
2013 WSGY	100.3 GA Tifton rs\$, Y100 (San Antonio is also Y-100)	
2016 WCTH	100.3 FL Plantation Key, what to do in a hurricane, \$	1277
2017 WYGC	100.9 FL Gainesville, k\$ GC101 or Gator Country	959
2018 WAVV	101.1 FL Marco, ads\$	1200

MORE ON THE NEXT PAGE!!

JEFF FALCONER'S report continues.

## July 19 Es cont.

2015 WKES	101.5 FL St. Petersburg, g\$	1065
2022 WHVE	102.5 FL Sarasota, b\$, Wave	1107
2013 WIMY	102.7 FL Madison, ads\$	908
2025 WFYV	104.5 FL Atlantic Bch, Rock 105	920
2026 WRBQ	104.7 FL Tampa, r\$, Q-105	1087
2027 WOCL	105.9 FL DeLand, ads\$	993
2028 WCKT	107.1 FL Lehigh Acres, k\$ Cat Country 107 FM	1157
2029 WJYO	107.7 FL Mount Dora, ads\$ ID (Call is now WMGF, Jeff-gc)	1015
2030 WIRK	107.9 FL W. Palm Beach, k\$	1175
2034 WMMO	98.9 FL Orlando, r\$	1034
2037 WRTQ	98.3 FL Goulds, ads in Spanish, ex WAQI	1222
2038 WKTK	98.5 FL Crystal River, rm\$, wx 1009	
2040 unID	97.7 ?? m\$, Easy 97.7	
2046 WPCV	97.5 FL Winter Haven, k\$	1064
2049 WOVV	95.5 FL Fort Pierce, r\$, ID	1138
2051 WXDJ	95.7 FL Homestead, SS mx	1225
2053 WRMF	97.9 FL Palm Beach, ads\$	1157
2054 WGNF	98.1 FL Titusville, k\$, The Frog	1020
2057 WOLL	94.3 FL Riviera Beach, o\$ Oldies 94.3, ex WMXQ	1162
2058 WCMQ	92.3 FL Hialeah, Spanish\$	1217
2059 WNGS	92.1 FL W. Palm Beach, wx\$	1175
2100 WLRN	91.3 FL Miami, SS mx\$, ID	1216
2102 WQCS	88.9 FL Ft. Pierce, Classic 89	1138
2104 WZTA	94.9 FL Miami, ads\$	1138
2106 WDNAt	88.9 FL Miami, Spanish, MONO	
20 Trs		
0129 CJAM	91.5 ON Winsdor, rp\$ station is only 22 watts	119
1330 WYTN	91.7 OH Youngstown, g\$ Family Radio	180
20 Es		
1651 WLVE	93.9 FL Miami Beach, ads\$	1217
1701 WCMQ	92.3 FL Hialeah, Spanish\$	1217
1752 WSCF	91.9 FL Vero Beach, g\$	1097
1753 WJIS	88.1 FL Bradenton, g\$	1102
1756 WCTQ	92.1 FL Venice, k\$	1129
1759 WUSE	89.7 FL Tampa, j\$	1087
1800 WMNF	88.5 FL Tampa, rs\$, ID	1087
1801 WCIE	91.1 FL Lakeland, rs\$	1087
1802 WCVU	94.5 FL Naples, rm\$, Seaview	1184
1803 WPCV	97.5 FL Winter Haven, k\$	1064
1805 WSOR	90.9 FL Naples, wx rpt\$	1184
1806 WMCU	89.7 FL Miami, ID\$	1218
1808 WXDJ	95.7 FL Homestead, Spanish\$	1225
1809 WINK	96.9 FL Ft. Myers, rm\$ The New Wink 96.9	1158
1811 WQYK	99.5 FL St. Petersburg, k\$, ID	1065
1813 WDIZ	100.3 FL Orlando, r\$, ID	1034
1814 WGGD	102.3 FL Melbourne, Gold 102	1061

## July 20 Es cont.

1816 WXXL	106.7 FL Leesburg, rs\$	1009
1817 WQBA	107.5 FL Miami, Spanish\$	1218
1906 WTMI	93.1 FL Miami, c\$	1218
1909 WRMF	97.9 FL Palm Beach, o\$, ID	1175
1910 WBSN	89.1 LA New Orleans, g\$, ID	1050
1913 WUSM	88.5 MS Hattiesburg, c\$, ID	941
1923 WNGS	92.1 FL W. Palm Beach, j\$, Lite 92 FM	1175
1959 WUOT	91.9 TN Knoxville, weak ID short skip	540
21 Trs		
0123 unID	104.3 k\$, Country Smile, to the west	
22 Es		
1034 KNTU	88.1 TX Denton, ID\$	1130
1040 KEOM	88.3 TX Mesquite, r\$, wx rpt	1127
1042 KRVL	94.3 TX Kerrville, k\$, Hot Country 94 FM	1358
1050 KSCS	96.3 TX Ft. Worth, k\$	1130
1051 KEGL	97.1 TX Ft. Worth, rs\$, ID didn't sound like KEGL, change? (No-gc)	1130
1103 KYXS	95.9 TX Mineral Wells, k\$, ads 1184	
22 Trs		
1053 WKEF	100.5 MI Carrollton, r\$ The New K-100.5	145
23 Trs		
1859 WZRZ	96.5 OH Hamilton, r\$, Z-Rock, ex WBVE and WZRQ	330
1904 WUBU	96.5 MI Portage, rs\$, ID	237
AUGUST 1991 DX		
10 Trs		
0753 WTRY	94.3 MI Leland, ro\$, The new oldies 92.5 and Grand Traverse 94 // WAIR 92.5. This is right call, not WLEL	205
23 Es		
1817 KBNJ	91.9 TX Corpus Christi community calendar type program\$	1417
1823 KELL	94.5 TX Harlingen, ads\$, nice long skip	1513
1826 KIKK	95.7 TX Houston, k\$	1237
1828 KJLM	98.3 TX Columbia, farm rx\$	1271
1835 KSRR	92.9 TX San Antonio, rm\$ Star 93	1353
1838 KPLV	93.3 TX Port Lavaca, ads\$	1331
1842 KSBJ	89.3 TX Humble, wx rpt\$	1228
1916 KRTS	92.1 TX Seabrook, classical 921233	
23 Tr		
2344 WQEZ	94.3 IL Pekin, rm\$, ID, ex WBZM and Chillicothe	475
2353 WEZW	103.7 WI Wauwatosa, rm\$, Easy 104	326
24 Tr		
0138 WLTO	97.3 WI Milwaukee, rm\$, Lite 97	324

A few good openings this summer. Better get this in the mail as the Canadian postal workers are soon going on strike. 73, Jeff

That's about all this month. Stay tuned next month, so far I have reports from Dave Brumfield, Jerry Monroe, and a DXpedition to Atlantic City, NJ by Gus Mancuso, plus hopefully a report from you! Hopefully I will be able to fit in my own report, which will include a special DX report from New Hampshire (yes, I was there during Hurricane Bob!) I hope no one on the east coast lost their antennas from "Bob". Thanks to Dave Nieman, dBruce Hall, George Greene, and Paul Mount for donating logos in the past few months.

# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

OCTOBER 1991

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT and DC. Happy DXing and report soon!

## JULY AND AUGUST ES RATHER ACTIVE FOR SOME REPORTERS.

Last month's reporters were finding it remarkable how the Es had come in from such unusually short distances. This month, though, at least one reporter found it noteworthy how long the distance was, if single hop. August did not turn silent with 3 or 4 skip days noted. Trop wise, it was meager with what few openings staying well under 500 miles. Not much in on the August Perseids. The only DXer reporting Perseids ms sounded like the Perseids were not lacking much in cooperating. Finally, don't miss the Es reception of an 8 watter reported by a FL reporter.

Doug Allen, w2crs, P.O. Box 5646, Woodland Park, CO 80866

Equip.: Onkyo T 4087 and various Pioneer tuners(all IF modified), FM-13 at 50 feet.

7/16 Es, tr s  
1250 XHMER 94.5 DF Mexico City, SS, cl also unIDs Mexican stations at 97.7, 93.5 and 88.9.  
1300 XHLG 98.3 GT Leon, ID, ads, wx, new state  
1305 XHPQT 97.5 GT Leon  
1308 XHMT 88.9 DF Mexico City, SS American rock  
1310 KANW 89.1 NM Albuquerque  
1312 KRST 92.3 NM Albuquerque  
1315 KSFR 90.7 NM Santa Fe unusually good tr s over Pikes Peak from NM; 90.7 and 88.3 heard previously from Pikes Peak; first time from house!  
1320 XHRO 95.5 JA Guadalajara, local ads 7/17 ms  
1104 KMFY 96.9 MI Grand Rapids, ID  
7/18 Es  
0820 WFGY 98.1 PA Altoona, "Froggy 98"  
0822 WSTY? 98.1 ? garbled cl, k  
0834 WMRN 106.9 OH Marion, ads, Crawford County Fair promo  
0836 WVNO 106.1 OH Mansfield "106 VNO"  
0842 WHEX 103.3 CA Waycross, ads  
0845 WGPC 104.5 GA Albany, ads  
0851 WKXX 106.9 AL Birmingham, ads, "real country"  
0852 WHMA 100.5 AL Anniston, "Alabama 100"  
0900 WRBI 103.9 IN Batesville, ID  
0902 WRZQ 107.3 IN Greensburg, ID  
0911 WIVK 107.7 TN Knoxville, promo  
0914 WYBZ 107.3 OH Crooksville, wx, ads  
0918 WKLE 103.1 OH Johnstown, Newark ads  
0920 WNWV 107.3 OH Elyria, PSAs, Cleveland ads  
0921 WPGW 100.9 IN Portland, "J country 101"  
0923 WENO 100.9 OH Bryan, ID  
0924 WRKR 107.7 MI Portage, ID  
0930 WQLR 106.5 MI Kalamazoo "Q-Lite"  
0931 WBEY 103.9 OH Westerville, ID  
0933 WRLO 105.3 WI Antigo, ID  
0935 WNKI 100.5 IN Kokomo, ID  
0939 WBCH 100.1 MI Hastings, ID  
0944 WLXR 104.9 WI La Crosse, ID  
0954 unID 107.1 ? "107.1 Lite flite"  
0956 WWHF 105.7 OH Marysville, "the fresh new sound of WWHF" Not in Atlas?  
0958 WFGU 107.1 IL Urbana, ID  
0959 WTLG 105.7 IN Indianapolis, wx  
1001 CIRM 107.1 QU Riviere de Loup, FF Quebec nx, wx 1871 mi. No ID, but local

wx. New province and double hop E-skip record for me. Note single hop stations about 900 miles. Definite double hop.  
1005 WVNO 106.1 OH Mansfield, ID  
1007 WHMQ 107.7 OH No. Baltimore, ID "jumping country 108"  
1013 CBEP 1103.1 ON Leamington, FF, wx  
1015 WTF 103.7 OH Tiffin, ID  
1016 WKFR 103.3 MI Battle Creek, ID  
1018 WSNX 104.5 MI Muskegan, wx, Sunny FM"  
1020 WRKR 107.7 MI Portage, ID  
1023 WQLR 106.5 MI Kalamazoo, promo  
At this point I made contact into NE, IL and MI on 144 mHz.  
7/19 Es  
1652 WKUS 100.5 AL Fort Rucker, "US 100"  
1655 WWRM 107.3 FL St. Petersburg, ID, "Warm FM" 1515 miles No stations heard at intermediate distance, so this was probably long single hop? (Unless the signal was weak. Then it would be more possibly double hop. DB)  
1700 WMRSt 107.7 IN Monticello, ID sounded like WMSG?  
1704 WQRT 104.5 OH Wooster, ID  
1707 WLKIt 100.1 IN Angola, ad  
1713 WMIJ 105.7 OH Cleveland, ID, "Magic 105.7"  
1716 WWSN 107.7 OH Dayton, "Star 107.7"  
1719 WDOK 102.1 OH Cleveland, ID  
1731 WMYG 96.9 PA Braddock, "97 Rock"  
1733 WIVRT 98.1 VA Richmond, b, "Nice and easy 98"  
1739 WSSL 100.5 SC Cray Court, ID "Whistle 100"  
1741 CBEP 1103.1 ON Leamington, FF  
1743 WNO 101.3 OH Ashland, ID.  
1745 WMDWt 103.3 NY Vestal, ref. to Ellis  
1749 CFNY 102.1 ON Toronto, ID 1364mi.  
1755 WMIJ 106.9 MI Muskegan, ads, "107 MJS"  
1758 WMIL 106.1 WI Waukesha, ads, "FM106.1" 900  
1759 CFMX 103.1 ON Cobourg, cl "serving Ontario and upstate New York" heavy breathing, would I get NY for state #40?  
1802 CBF-FMT 100.7 QU Montreal, FF, 1659 miles, or was this 85 watt Hinton AB?? see 1809  
1803 WMS 100.7 OH Cleveland, ID cont.....

## SOUTHERN FM DX

7/19 Es  
1809 CKIK 107.3 AB Calgary, "107 KICK FM"  
1810 WHEZ 99.3 ?? k, "99.3 WHEZ" help!  
1813 WLEN 103.9 MI Adrian, ID  
1816 CFBG 100.9 ON Bracebridge, "Muskoka FM 101"  
1821 CIXK 106.5 ON Owen Sound, wx, "K106.5"  
1825 ? 107.3 MI? "marinefest in East Tawas"  
1826 CKLP 103.3 ON Perry Sound, ID  
1829 CBCE 97.5 ON Little Current  
1829 CBCE 98.7 ON Owen Sound, CBC //97.5  
1830 WKLT 97.5 MI Kalkaska, ID  
1831 WIOF 98.1 OH Canton, ID  
1835 WFGY 98.1 PA Altoona, "Froggy 98"  
1848 WGWG 88.3 NC Boiling Springs, ID  
1917 CBON 98.1 ON Sudbury, FF  
1917 CBON-24 90.7 ON Kapuskasing, FF, //98.1  
1918 CBON-18 88.1 ON Sault Ste. Marie, FF, //98.1 & 90.7  
1920 ???? SS Mexico?  
1929 WSUE 101.3 MI Sault Marie, ads  
1932 WZNL 94.3 MI Norway, promo  
1935 CJRO 92.7 ON Sudbury, "092FM"  
1937 WGLQ 97.1 MI Escanaba, ID  
1946 WCMZ 98.3 MI Sault Ste. Marie, ads  
7/22 Es  
0705 WQSM 98.1 NC Fayetteville, ID  
0708 WKRR 92.3 NC Asheville, "Rock 92"  
0715 WPAR 88.1 NC Claremont, g, "central NC FM 88"  
0717 WWGL 94.1 NC Lexington, g  
0721 WYTF 89.1 VA Roanoke, promo  
0727 WGIT 96.9 NC Goldsboro, "Country 96.9"  
"WIGI" ex-WKTC?  
0732 WIKQ 94.9 TN Greenville, ads  
7/25 tr  
1135 KPLO 94.5 SD Reliance, k  
7/26 Es  
0940 KLON 88.1 CA Long Beach, ID  
1023 KWAV 96.9 CA Monterrey, "K-WAVE 97"  
1024 KHIP 93.5 CA Hollister, ads  
1030 KSJO 92.3 CA San Jose, ID  
1039 KFOG 104.5 CA San Francisco, ID, "K-FOG"  
1043 KSOL 107.7 CA San Mateo, ID  
1044 KSTN 107.3 CA Stockton, SS, ads  
1046 KITS 105.3 CA San Francisco, "Live 105"  
1047 KBBE 103.3 CA Modesto, "KB double E"

## Allen, cont.

7/26 Es  
1049 KXFX 101.7 CA Santa Rosa, "101.7 the fox"  
1103 KCBX 101.7 CA Lakeport, ID  
1105 KWNE 94.5 CA Ukiah, "KWINE the new mi 94.5"  
1108 KZYX 90.7 CA Philo, PSAs & promos  
1129 KVTP 98.1 CA Reading, g  
8/1 Es  
0820 WJSP 88.1 GA Warm Springs, Peach State "Public Radio"  
0823 WINT 94.9 FL Tallahassee, ID  
0826 WXTT 98.1 AL Fayette, ID  
0829 WSTH 106.1 AL Alexander, "South 106"  
0831 WLBK 89.1 AL Montgomery, g  
0823 WLVI 92.3 AL Montgomery, k, ID  
1318 WUFT 89.1 FL Gainesville, ID 1435  
1324 WNFV 94.3 FL Lake City, "B94" 1405  
8/7 Es  
1319 WUWF 88.1 FL Pensacola, ID  
1409 WRBH 88.3 LA New Orleans, reading  
8/8 ms  
1636 WPAR 88.1 NC Claremont, ID 1307 new freq. ms record  
8/10 ms  
1208 WKQO 98.1 MI Saganaw, ID  
8/12 ms & Es  
1834 WXTT 98.1 AL Fayette, ID ms  
1840 WRBH 88.3 LA New Orleans, ms  
1855 CBON24 90.7 ON Kapuskasing, FF  
1900 WLJK 89.1 SC Aiken, ID  
1902 WBFM 98.1 SC Greenville, ads  
8/14 ms  
0827 KNLRT 97.5 OR Bend, g  
0832 WDAY 93.7 ND Fargo, "You're listening to 93.7-Y94"  
8/15 ms  
1300 WJSP 88.1 GA Warm Springs, ID  
8/26 tr s  
0225 KYCST 95.1 WV Rock Springs, faded up  
0242 KQKY 105.9 NE Kearney, ID, NE #34  
0245 KFPX 106.7 KS Hugoton, "106.7 KFX"  
KAZY off, KS #59  
8/30 ms  
2124 WJFM 93.7 MI Grand Rapids, ID  
8/31 tr  
0147 KSYZ 107.7 NE Grand Isle, ads  
1200 KEZG 107.3 NE Lincoln, ID, "EZ107"

I was lucky enough to be working at home most of the summer, so I probably caught most of the Es openings. The below average amount of Es was often to new areas resulting in new stations. Many of the openings had a high MUF. When that occurred, I DXed the high end of the band as you can see and even made 144 mHz Es contacts on 7 occasions by following the rising MUF and then calling CQ. One new province (QUE) and another tentative (NB). Missed elusive NY state. Quite a few 1400-1500 mile long single hop openings. St. Pete on 7/19 appears to be single hop, but not sure. Worked 39 stations on 144 mHz and 9 on 220 mHz during the Perseids, which had a spectacular peak on the morning of the 12th from 0800 to 1100 local time. There was constant meteor induced E skip during this period on FM and for over an hour on 220 mHz (and undoubtedly high band TV) with an estimated several hundred meteors a minute, reminiscent of the '67 Lyonids. Hope many of you got to DX during this fantastic period, the best Perseids peak in 28 years of monitoring it. Since I spent over 14 hours on ham radio schedules the 12th, I have little to show for it in MY FM log, but I visually noted (those signal strength LEDs) that all my open frequencies were full of stations during the peak! Tropo has been almost absent this summer despite my normal night owl monitoring when nature calls! Thanks to several of you for helping with unIDs. Get your E-skip pest info to me by November 1. Best wishes for a good fall tropo season.

Next month in SFM your editor comments on San Antonio and why in the heck does that place get such high amounts of Es. If you wish to add to the comments, your immediate input is very much welcomed. DB MORE DX CONT....

John F. Combs, N4SFS, POB 7581, Tallahassee, FL 32314	
7/19 Es	7/19 Es
1717 WBSL 107.5 NY New York, local tx	1938 WMJQ 102.5 NY Buffalo, wx ID 895
1720 WMOG 103.7 NJ Atl. City, ads	1949 KGGK 93.7 SD Brookings, local ads 1270
1721 WKPZ 101.3 DE Milford, ads, ID	1952 WUSN 99.5 IL Chicago, wx 815
1723 WNSR 105.1 NY New York	1954 WDOK 102.1 OH Cleveland, local wx 765
1726 WNCN 104.3 NY New York, c	1956 CFCA 105.3 ON Kitchener, ID, ads 915
1728 WGRK 92.3 NY New York, K-Rock,	1957 WWKS 106.7 PA Beaver Falls, ad 835
NY's classic r&r radio"	1958 unID 107.5 CBC Radio, which??
1735 WKRK 90.9 NY Brooklyn, NYC wx,	2006 CHPT 98.1 ON Toronto, wx, ID 950
only 8 watts!?	2007 CKGL 96.7 ON Kitchener, Blue Jays bb
1739 WHYN 93.1 MA Springfield, ID	2032 WUNY 89.5 NY Utica, ID 10105
1852 WNYO 93.1 NY Syracuse, ads	2044 WGAY 99.5 DC Washington, area ad 715
1852 KLSI 93.3 MO Kansas City, ads	2047 WRFY 102.5 PA Reading, local ads 830
1854 KFKE 94.1 KS Kansas City, ads	2048 WMGK 102.9 PA Philadelphia, ads 835
1854 KZMO 94.3 MO California, wx, ads	2050 WSHQ 103.5 NY Cobleskill, ads 1015
1855 KIGS 95.1 MO Versailles, local remote	2054 WEGX 106.1 PA Philadelphia
1859 KMMO 102.9 MO Marshall, ID	2056 WSNP 107.7 NJ Bridgeton, local ads 790
1902 KKFY 97.7 MO Kansas City, SS, ment KC	2105 WPLM 99.1 MA Plymouth, ads, ID, psa 1085
1908 KKPT 90.1 MO Kansas City, c	7/22 Es
KFBD 97.7 MO Waynesville, area wx	1048 KQSD 91.9 SD Lowry, SDPR 1335
1921 KOEL 92.3 IA Oelwien, area ads	7/26 Es
1926 WMBI 90.1 IL Chicago, ID	2328 KAXE? 91.7 MN tentative--Jazz
1927 KYEZ 93.7 KS Salina, ads	2340 KDSU 91.9 ND Fargo, ID 1335
1929 WIVM 91.3 IL Macomb, ID	2356 WDAY 93.7 ND Fargo, ID
1933 WZTR 95.7 WI Milwaukee	2359 KOCM 91.1 NM Moorhead, ID 1335
KUNI 90.9 IA Cedar Falls, ID	7/27 Es
1933 WYCA 92.3 IN Hammond, ID	0012 KRSU 91.3 MN Appleton, //91.1 1190

One of the better Es openings I've experienced popped up in the middle of a pretty dull season! The 6/19 opening was into FM for hours and even reached hi-band VHF-TN at one point. There were either multiple clouds or one HUGE cloud as evidenced by nearly simultaneous loggings of quite distantly separated stations (NY and MO at the same time, for instance). The highlight of this opening was having WKRK 90.9 IN Brooklyn, NY. If info in the FM Atlas is current, they are only 8 watts, beating my previous lo-power record set when I logged an IA 10 watter by skip in the 1970's! Interesting, though not nearly as long lived or exciting was the late evening opening of 6/26, in which the MUF did not even reach FM until almost 2330 local time. 73.

Matt Sittel, P. O. Box 21451, Raleigh, NC 27607	
8/4 tr	8/23 Es
0710 WHIK 99.7 SC Port Royal, calls	1940 KODM 97.9 TX Odessa, "Star 98" 1388
1032 WL0W 106.9 SC Bluffton, area ment.	1951 KTLG 99.7 TX Tye 1237
1035 WXLV 102.5 SC Charleston, calls	2000 KCEI 90.9 TX Dallas, ID 1068
1041 WDXV 95.5 GA Savannah, "I95"	6/28 Es
1051 WCHY 94.1 GA Savannah, calls	2140 unID 92.9 SS music
1059 WSVH 91.1 GA Savannah	tr
1205 WJCA 96.5 GA Savannah, "Sunny 96"	2153 WRQX 107.3 DC Washington 236
8/23 Es	8/30 tr
1908 KKIK 93.7 TX Lubbock, "Kick FM" 1326	0901 WJFK 106.7 VA Manassas 217
1913 KNIN 92.9 TX Wichita Falls, call 1135	0904 WMRJ 107.7 VA Warrenton 209
1933 KVRP 95.5 TX Haskell, calls 1217	9/2 tr
1935 KCHX 106.7 TX Midland, "Foxy 106" 1367	0900 WPKZ 98.5 VA Elkton, ID, o/WSAY 183
1939 KGEE 99.9 TX Monahans, ID, KG100 1388	

August did not produce much DX at all that I heard. I was out of town for about one third of the month, but still I would have expected more tropes for late August. I would have missed 8/23's skip had John Combs not called me. Thanks, John! There was no trace of skip on TV when I checked and found skip on FM! I'm sure the domes reduce signal strength some, too. Best of DX to all this fall & 73's.

Gus Mancuso, 5615 Inwood St., Hyattsville, MD 20785	
Equip.: Pioneer SX-2000(mod.) & Radio Shack plain rabbit ears	
Got following skips while doing super bandscan III from South Hill, VA	
7/30 Es	7/30 Es
89.3 WRKF LA Baton Rouge	96.5 KTLG TX Corpus Christi
7/31 Es	107.5 KCIL LA Houma
92.1 WJMG MS Hattiesburg	South Hill was about as good as expected.
92.9 KJEF LA Lake Charles	Stayed in 3 different rooms on different sides
93.7 WQID MS Biloxi	to vary reception. Totals: 211 states: 11 +
94.1 KQXK TX Beaumont	DC. Longest tr: WLTW 106.7 NYC. Best freq:
94.9 KZZB TX Beaumont	105.5-five. Worst: 91.7 none. Had clouds
	cont....

two of three mornings; had to really work to break 200.

From Millington, MD, new "sattelite" location to regular spot in Cordova, MD. (See 9/11 VUD) Millington is about 25 mi. nne of Cordova & 20 mi. west of Dover, DE:

8/3 tr	1527 100.1 WRBst DE Camden	1542 104.1 WAEB PA Allentown
	(Slim pickings due to time of day; hope to go back in fall for overnight when people get guest room furniture.	
8/25 tr	0455 96.3 WROV VA Martinsville, local WHUR off. Also looked for NC & NYC, but got an image of local WPGC when WROV nulled.	
8/28 tr	0630 95.1 WAYV NJ Atlantic City, local WRBS nulled	
8/30 tr	0712 94.9 WPVR VA Roanoke	8/30 tr
		0715 106.3 WBPB VA Churchville

Jim Pizzi, P. O. box 1778, Lovington, NM 88260 (505)3963251	
5/20 Es	6/12 Es
0923 KHIH 94.8 CO Boulder, calls	0937 KODM 97.9 TX Odessa, ads
0927 KSKL 94.5 KS Scott City, ads, "Cool Radio 94.5"	0938 KMGF 102.1 TX Monahans, ads
0929 KOGA 99.7 NE Ogallala, ads	0947 KCHX 106.7 TX Midland, Foxy 106, ads
0932 KHOK 100.7 KS Hoisington, KS nx	0950 KSPX 100.5 NM Roswell, FX 100, ads
0935 KEYN 103.7 DS Wichita, calls	1000 KIXY 94.7 TX SanAngelo, "Kicksee"
0950 KDCR 95.5 KS Dodge City, ads	1002 KBIM 94.9 NM Roswell, ads
1141 KKEC 94.7 OK OKC, calls	1005 KPER 95.7 NM Hobbs, calls
1142 KATT 100.5 OK OKC, ads	1015 KSEL 95.3 NM Portales, wx
6/4 Es	1043 KKIK 93.7 TX Lubbock, calls
1010 KQDY 94.5 ND Bismarck, ads, "KQ94"	7/2 Es
1012 KEYZ 96.5 ND Bismarck, 296 + calls	1300 KXET 95.1 MT Havre, calls
1016 KGWY 100.7 WY Gillette, wx	7/18 Es
1030 KRRB 92.1 ND Dickinson, ads	1143 KRIN 94.3 NM Raton, state nx
6/12 Es	1158 KKJQ 97.3 KS Garden City, calls
0928 KKKK 99.1 TX Odessa, g, "Quad K"	1200 KSKL 94.5 KS Scott, calls
0931 KQKQ 94.1 CO Montrose, calls	A few good openings, but nothing fantastic
0936 KGEE 99.9 TX Monahans, KG100, ads	Not much time to DX, so I guess I'm lucky to catch what I did. 73's

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

This could well be the last Es report of '91 - lotsa stations here, but nothing exotic. '91 wasn't all that bad, considering I work afternoons & evenings, when some Es showed up.

Equipment: JVC RX302BK mod. w/ 150kHz filters  
Archer 6-element FM antenna  
\$ = Stereo

Time	Call	Freq.	St	Location, details	Miles
8/12 Es	1050	93.7	LA	Shreveport, ID	870
	1053	92.1	OK	Marlow, "Foxy 92"	1150
	1100	88.1	TX	Denton, ID, j	1060
	1101	88.3	TX	Mesquite, ID	1025
	1104	94.5	TX	Gainesville, "The Edge"	1075
	1109	103.9	AR	Fayetteville, "Kix 104"	1000
				+ KQIT 94.3 OK Lawton, "Q-94", Lawton ad	1170
				+ KQOC 89.5 TX Wichita Falls, ID	1150
	1148	92.9	TX	Wichita Falls, ID	1150
8/24 Tr	0900	88.1	FL	Jacksonville, "Jacksonville" on hour	300
8/26 Tr	0153	89.3	FL	Titusville, ID, WHRB off	175
	2005	88.1	FL	Jacksonville, "Jacksonville" on hour	300
	2005	88.1	FL	Jacksonville, "Jacksonville" on hour	300
				.....why can't I get WHIJ Ocala?.....	
8/19 Es	1035	92.1	AR	Ashdown, ID, k	920
	1037	92.5	OK	Oklahoma City, "Mix 92.5", ment. Norman & Edmond	1140



Doug Smith, 14 Brookside Ct., Nashville, TN 37209-4503

5/29 trs

1020 **WJAB** 90.9 AL Huntsville, c, ID 95  
**WDJC** 93.7 AL Birmingham, g 177  
**WAPI** 94.5 AL Birmingham, r, "194" 177  
 1035 **WKHX** 101.5 GA Marietta, k, "Kicks", wx  
 1046 **WEHL** 91.3 AL Florence, wx, ID 115  
 1100 **WJAL** 91.5 AL Tuscaloosa, c, ID 200  
 1107 **WZBQ** 102.5 AL Jasper, r, EBS test 180  
 (Note #2)  
 1111 **WYAI** 104.1 GA La Grange, k "Y106 and  
 Y104", //106.7 also in 228

Es

1845 unID 87.75 TX TV-6 (Note #3)  
 unID 89.5 TX

tr **WQSB** 105.1 AL Albertville, k 106  
 2324 **WUTC** 88.1 TN Chattanooga, c, weak, ID

5/30 trs

0001 **WLRH** 89.3 AL Huntsville, j, calls 95

6/23 trs

0715 **WDYNT** 89.7 TN Chattanooga, g0720 **WLLX** 97.5 TN Minor Hill, fair with

"WLX News". ex 92.1

0730 **WSLM** 98.1 IN Salem, ID0736 **WYNG** 105.3 IN Evansville, ID0740 **WZYP** 104.3 AL Athens, x, int. w/chr,adjacent to ultra-loud local **WGFX**0745 **WUCZ** 102.3 TN Carthage, weak but

steady w/local ads &amp; wx for Carthage, Z102.3

7/3 tr

0142 **WIWL** 101.5 TN McKinnon, k, "Twin LakesCountry **WIWL-FM**, ID1136 unID 101.9 "Power 102" w/chr o/ **WKYA**2245 **WDEF** 92.3 TN Chattanooga, poor

Finally, some E-skip! Unfortunately, I had to go to work with the MUF at 105... We got

plenty of reception complaints that day! Darn DJ on **WBGF** gave the station's calls as **WRMF**

(97.9 Palm Beach) once, leaving me thinking I had a translator.

Some notes about other loggings in August SFM:

Matt Sittel's 7/1 logging of **WJJO** 94.1 is Watertown, Wis., ex **WIFX**. Transmitter is at

Deerfield, Wis., about 2 miles south of where I-94 and Wis. 63 intersect.

Keith Pugh's 6/3 logging of an unID Spanish station on 103.9 is probably **WZMQ** Key Largo; ads in

Broadcasting magazine indicate that this station is co-owned with (and possibly simul-

casts) **WCMQ-FM** 92.1 in Miami.

Note #2: EBS test included message from Gov. Hund declaring "EBS Week" in Alabama. At

end of test, a "WMJJ" slogan snuck through. I assume **WMJJ** is the **WZBQ** monitors for EBSalerts. It is possible that **WQBQ** relays **WMJJ** Birmingham, but I hear their simulcasting AMfrequently here, and have never heard a **WMJJ** slogan before.

Note #3: Shortly before leaving work for 10 mins. to pick up some dinner, a viewer in

Murfreesboro called complaining of interference, and said he was seeing a Texas station on

channel 3. While sitting in the Wendy's drive-through, something clobbered local **WMOT** 89.5;

on tuning to 87.75, heard a few seconds of "Mama's Family", followed by a Coke w/ TX ment.,

and one for Burger King. The MUF then dropped below 87.75. This particular opening lasted

less than 90 seconds, although there may have been more before and after.

Note #4: Second translator ever logged. Often can't hear the primary due to overload!

All distances above are educated guesses. Where there's a TV station in the same city, I

assume the FMs to be co-located (usually a safe guess); where there's no TV, I estimate the

latitude &amp; longitude from an atlas. In either case, a BASIC program handles the

calculation. I suppose the official FCC tapes (very expensive!) are the only available

reference with FM station coordinates. What do other DXers use??

7/3 tr

2259 **WSMS** 91.7 TN Memphis, fair w/sign-off

7/4 tr

0006 **WBGR** 102.7 TN Memphis, "Rock 103, ads

7/30 Es

1330 **WLRN** 91.3 FL "91-LRN News", jazz**WCMQ** 92.3 FL Hialeah, SS**WTMI** 93.1 FL Miami, classical**WHYI** 100.7 FL Ft. Lauderdale, Y-100, ads**WZTA** 94.9 FL Miami Beach, AOR, Miami ads**WRMB** 89.3 FL Boynton, Beach, g & call ID**WCNO** 89.9 FL Stuart, g, ment. Loxahatchee**WZZR** 92.7 FL Stuart, call ID1400 **WEDR** 99.1 FL Miami, urban**WDIZ** 100.3 FL Orlando, AOR**WBGF** 93.5 FL Belle Glade, local strength

w/OLD, Okeechobee area ads, "B93.5"

**WKRY** 93.5 FL Key West, AOR, Key West ads**WGYL** 93.5 FL Vero Beach, ezl, local ads,and calls o/u **WBGF** and **WKRY****WLVE** 93.9 FL Miami Beach, light jazz**WFLC** 97.3 FL Miami, adcon**WRTO** 98.3 FL Goulds, loud in SS**WWFR** 91.7 FL Okeechobee, rel talk**WKGR** 89.7 FL Pt. Pierce, "Classic 98.7"

classic rock, Anncr. said someone from

Nashville had called in &amp; played them a

tape of the Es reception, which the

station was then going to play on air...

**WKIS** 99.9 FL Boca Raton, "Kiss FM", ads**WLYF** 101.5 FL Miami, ezl & ID

unID 105.3 adcon

**WMXJ** 102.7 FL Pompano Beach, oldies

Country **WIWL-FM**, ID  
 1136 unID 101.9 "Power 102" w/chr o/ **WKYA**  
 2245 **WDEF** 92.3 TN Chattanooga, poor  
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Note #4: Second translator ever logged. Often can't hear the primary due to overload!  
 All distances above are educated guesses. Where there's a TV station in the same city, I  
 assume the FMs to be co-located (usually a safe guess); where there's no TV, I estimate the  
 latitude & longitude from an atlas. In either case, a BASIC program handles the  
 calculation. I suppose the official FCC tapes (very expensive!) are the only available  
 reference with FM station coordinates. What do other DXers use??

#####

## WESTERN TV-DX

October 1991

Fred McCormack  
 Box 17860  
 St. Paul MN 55117-7860

Deadline: 11-07-91  
 Cut-off: 08-01-91

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

CH Chihuahua NL Nuevo Leon TA Tamulipas ZA Zacatecas  
 CU Coahuila SI Sinaloa VE Veracruz

CHA Channel America TAB 3 Angels Broadcasting  
 CMT Country Music Television TBN Trinity Broadcasting  
 HSS Home Shopping Spree WCH The Weather Channel

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

CDT

## Equipment:

Sylvania 12" black and white, quad loop cut for channels 2 and 5, Radio Shack  
 U-75 corner yagi. Sony Watchman. Mitsubishi HS-U31 VCR.

July 1991	18 Es 1711	unids 2,3,5 (Spanish)	18 Es 2030	KOAA 5 CO
1 Es 2035	unids 2,3		19 Es 1239	XHBQ 3 ZA 955
7 Es 1030	KDLH 3 MN 1167	1809 <b>KIII</b> 3 TX 474	1625	unids 3,5
8 Tr 2254	<b>WMPN</b> 29 MS 157	( See Note # 1 )	29 gw 1850	<b>WGMB</b> 44 LA 65
	<b>KNOE</b> 8 LA 191	1835 <b>KACB</b> 3 TX 617		( See Note # 2 )
14 Es 2029	unids 2,3,5	1855 <b>XEPN</b> 3 CU 626	31 Es 1853	unids 2,3,5
	(Busy on FM)	1929 <b>KSNW</b> 3 KS 683	1902	unids 2,5 (Spanish)
15 Es 2011	unids 2,3	1930 <b>KSWK</b> 3 KS 827		
16 Es 2006	unids 2,3	2000 <b>KENW</b> 3 NM 826		

Note 1 - Very short hop! Possibly backscatter, since Mexico was also in?  
 Note 2 - New station, first time seen. Testing with color bars. Good signal.

Another miserable month. We really haven't had one of those super-duper E-skip days where it lasts all day long yet (at least not down here). Oh well, every season can't be great.

Randy Miltier, 1068 Fairview Avenue, San Jose CA 95125 (KK6TQ)

PDT

## Equipment:

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

A...hello....is this TV-DX season? Doesn't sporadic E usually occur between June and August? Is my calendar off or what! Maybe the oil wells burning in Kuwait did something, or maybe it was the Pinatuba volcano eruption! Whatever the cause, this season has been disastrous. What openings there were have been short and pin-pointed to one area. Hams on six meters are saying somewhat the same thing. It'll be interesting to hear from those back East on their conditions. My best catch in July was a nice photo of KEYT-3 in Santa Barbara on a good tropo opening. Only other highlight was a verie letter from KCNC-4.

It'll be interesting to see if the trend continues next year. I guess all things have their ups and downs and TV-DX is no different.

July 1991	2 Es 0820	unid ch6 Spanish	19 tr 1131	KSBY 6 CA 152
1 Es 1019	KSNW 3 KS 1335	16 Es 1027	XEPM 2 CH 960	Es 1734 unid channel 3
1020	KSWK 3 KS 1120	1031	XHQ 3 SI 1225	25 Es 1035
1027	unid ch6 Spanish	1034	unid channel 6	1105 XEPM 2 CH 960
1028	unid ch 6 NBC		( See Note # 1 )	29 Es 2124 unids chs 2-4
1317	KUAT 6 AZ 719	17 Es 1010	KTWO 2 WY 905	30 Es 0841 <b>KENW</b> 3 NM
1318	XEPM 2 CH 960	1049	<b>KLNET</b> 3 NE	1008 <b>KXMA</b> 2 ND 1169
1320	KDBC 4 TX 957	18 Es 1130	KTWO 2 WY 905	1140 <b>CKCK</b> 2 SK 1251
2000	KMID 2 TX 1170		unid channel 3	31 Es 1905 <b>KTWO</b> 2 WY
	<b>KENW</b> 3 NM 1060	1330	unids chs 2 & 3	2000 <b>KWGT</b> 2 CO
	KDBC 4 TX 957		( See Note # 2 )	
2 Es 0820	CKCK 2 SK 1251	19 tr 1130	KEYT 3 CA 221	

Randy Miltier (continued) 7 Es 0930 KFDX 3 TX 1330 12 Es 2007 unids chs 2-4  
 9 Es 1335 unid channel 2 2015 (AZ & BC on 6m)  
 1345 (Montana on 6m) 2029 XEPMt 2 CH  
 August 1991 unid channel 3 13 Es 1150 unids chs 2 & 3  
 7 Es 0928 KACV 2 TX 1125 11 Es 2200 unid channel 2 1152 (WA & BC on 6m)  
 0929 KENW 3 NM 1060 2229 unid channel 3 27 Es 1240 unids chs 2 & 3

Note # 1 - This Spanish station has been in a few times, but I have not seen an ID or know of its location. It is usually in when XEPM, XHQ, KVIO and/or KDBC are in. Anyone?

Note # 2 - 11/18/91 @ 1330 - W0IJR 6 meter beacon in (Colorado).

73 to all and check out that amateur radio ticket....Randy, KK6TQ

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

Equipment: See August 1991 Western TV-DX

Not much of a season after May's grand opener. At this point, the season looks like it's dying fast, and little has happened since mid-June. As always, new would have been underlined; \* means new to Antioch. All activity logged with the usual - the Hitachi and the Channel Master antennas.

June 1991	29 Es 0930 KJRH 2 OK 1425	26 Es 0830 KMID 2 TX 1175
2 Es 2134 KACV 2 TX 1110	1000 KFOR 4 OK 1355	0947 KLBV 4 KS 1125
16 Es 1931 KNOP 2 NE 1110	1131 KMID 2 TX 1175	28 Es 0859 KSNC 2 KS 1255
2133 KACV 2 TX 1110		
18 Es 2102 KNOP 2 NE 1110	July 1991	August 1991
19 Es 2216 CKCK* 2 SK 1220	1 Es 1959 KMID 2 TX 1175	2 Es 1959 XHBS? 4 SI XEW
2259 CKSA* 2 AT 1205	2001 XHIT* 4 CH 1100	2029 XEPM? 2 CH XEW
20 Es 0800 KACV 2 TX 1110	2 Es 0730 KNOP 2 NE 1110	7 Es 0830 XEPM? 2 CH XEW
0815 KKT0? 2 NM	1859 KACV 2 TX 1110	0900 KMID 2 TX 1175
(Home shopping)	18 Es 0829 KACV 2 TX 1110	("Big 2")

If the above seems repetitive at times, please don't blame me! What I get is what I report. At least Saskatchewan and Alberta were a refreshing change of pace 6/19.

(John also logged a mystery channel 2 with an XHIT-4 ID on May 28th at 2300. Can anyone help? fm)

John Sullivan, 4657 Rose St, Schiller Park IL 60176-1633 (708-678-1523) CDT

Equipment:

Toshiba 19", Sears VHF-UHF antenna at 20' (manufacturer unknown), Channel Master mast mounted preamplifier, Alliance U-110 rotor.

July 1991	7 tr 0454 WSYM 47 MI 165	8 Es 1303 KBTX 3 TX 800
1 Es 1430 WESH 2 FL 940	0455 WLAJ 53 MI 165	1318 KMOL 4 TX 920
1512 WSAV 3 GA 750	8 Es 1200 KDFW 4 TX 700	

John Ebeling, 6843 County Road 47, Alborn MN 55702 (218-345-6718) CDT

Equipment: See September 1991 Western TV-DX

From Alborn: 08/05 Es 0123 =CKSA 2 AB 885  
 (Also 2 other channel 2s)  
 0130 unids chs 2-5 sporadic  
 (CBC on channel 5)  
 08/11 Es 2312 WSB 2 GA 1010  
 unids chs 2-4  
 2400 KKTO 2 NM 1055

From Minneapolis: 08/07 Es 2100 KENW 3 NM 935  
 (On old black and white Zenith in basement using monopole)

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

Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR. Antennas: VHF - Lindsay CC-30 22 element log-periodic with Daico EID-3SV 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. UHF - Radio Shack 4 bay with 15-1108 adjustable mast-mount preamplifier @ 57 feet asl/agl. Archer 15-578 variable signal attenuator.

July 1991	13 au 1900 CFJC 4 BC 186	19 Es 2000 \$KTVS 3 CO 1150	30 Es 2200 KTVS 3 CO 1150
	2128 \$CKCK 2 SK 855		
	1927 CITM 3 BC 204	2200 CBKT 4 SK 807	August 1991
15 Es 2100 KTVS 3 CO 1150	CFSS 3 SK 936	1 ms 2114 CFQC1 3 SK 689	
2131 KTVX 4 UT 794		3 ms 0609 KRTV 3 MT 569	
17 Es 0030 \$KMTV 3 NE 1428	(Bremerton KIRO-7)	11 Es 1034 \$KPRY 4 SD 1157	
0043 KUSD 2 SD 1291	23 tr 0852 KCKA 15 WA 184	1059 KLNE 3 NE 1311	
18 Es 1830 \$KTWO 2 WY 926	(Snow free)	1102 \$KDLO 3 SD 1245	
1831 KTVS 3 CO 1150	0857 K53AZ 53 WA 184	12 Es 1830 KUTV 2 UT 795	
1846 KXLF 4 MT 553	(Centralia KIRO-7)	KTVX 4 UT 795	
1857 \$KIDK 3 ID 637	2055 K36B0 36 WA 78	1900 KBME 3 ND 1062	
1859 KWGN 2 CO 1096	(Deming KOMO-4)	1923 CFSS 3 SK 936	
1900 \$KNCN 4 CO 1096	25 tr 0710 KNDO 23 WA 213	1927 CKKX 2 AB 438	
1912 KYTV 3 MO 1725	(CHAN8-23 off)	1930 \$CFCN 4 AB 438	
1917 CFSK 4 SK 782	0714 KAPP 35 WA 213	1946 \$CFRN 3 AB 544	
1923 CFCN 4 AB 438	26 Es 1900 CBCP3 3 SK 733	1957 CBWFT 3 MB 1167	
1927 KREG 3 CO 1028	CKCK 2 SK 855	13 Es 1700 KSWK 3 KS 1350	
1929 KMOX 4 MO 1786	1927 CBKT 4 SK 807	1716 \$KSNW 3 KS 1502	
1931 KCWC 4 WY 833	1930 CBKFT2 3 SK 819	1800 KLBV 4 KS 1277	
1934 KDUH 4 NE 1080	28 Es 1200 KTVS 3 CO 1150	2000 KGFE 2 ND 1163	
1939 KCRA 3 CA 739	1210 KWGN 2 CO 1096	2030 KBME 3 ND 1062	
19 Es 1800 KSWK 3 KS 1350	29 Es 1845 KSWK 3 KS 1350	2036 \$XMA 2 ND 964	
KLBV 4 KS 1277	1900 KMTV 3 NE 1428	14 Es 2000 \$KNOP 2 NE 1224	
1832 KYUS 3 MT 836	2000 KLNE 3 NE 1311	KLNE 3 NE 1311	
1849 \$KIMT 3 IA 1596	\$KNOP 2 NE 1224	2100 KNAZ 2 AZ 1137	
1859 CBWFT 3 MB 1167	2030 KVBC 3 NV 986		
1900 KXJB 4 ND 1207	2100 \$KEYT 3 CA 1006		

The later the E season - the better the conditions. May held some treats, June was a bore, in July things definitely improved and August is an average month, which is the way it should be. Coincidentally, geomagnetic disturbances have calmed down and as Fred Nordquist has speculated - there is more turbulent weather activity throughout North America. However, the massive high pressure system that sometimes sits out in the Pacific doesn't look like it will materialize along with any long-haul tropo ducting.

On one of our rare thunderstorms here last month (July 27th), the FETs in my UHF-TV preamplifier must have picked up a charge by induction and are toast. I will need a new unit and may build one with around 20 dB gain. If that project doesn't come about by "winter tower prep" time, I'll purchase one - perhaps a Channel Master. I hope DX has improved for all. E skip MUFs have been low (about 70-75 MHz) and FM has been a flop as a result. CBUT-2 locally is once again signing off between 0230-0700 PDT allowing some DXing on channel 2 again. 73s....Mike VE7SKA

Robert Kramer, Box 8244, Chicago IL 60680 (K89GXC) (312-262-6299) CDT

Equipment: See August 1991 Western TV-DX

July 1991	11 tr 0233 W45AJ 45 IL	19 Es 1830 WEDU 3 FL 1002
	(Rockford CHA)	1900 WLBT 3 MS 668
6 Es 2120 CFQC2 3 SK 1215	0400 WXON 20 MI 240	2030 KRTV 3 MT 1225
2130 CFSS 3 SK 900	WTVS 56 MI 240	KBME 3 ND 729
tr 2259 WKBT 8 WI 230	0425 WJRT 12 MI 224	KSWE 4 ND 891
7 tr 0005 KYIN 24 IA 307	0502 WGTU 29 MI 225	CBCP3 3 SK 1103
0014 KIMT 3 IA 307	0603 WCMV 27 MI 205	2140 KSRE 6 ND 799
0111 KTTT 10 MN 292	0654 WHWC 28 WI 299	2231 CKCK2 6 SK 1019
2145 KIIN 12 IA 203	11 tr 0700 KYIN 24 IA 307	20 Es 1923 KOTA 3 SD 803
2258 WBSX 31 MI 205	15 tr 0545 WTJR 16 IL	21 tr 1230 WHWO 24 OH 220
2300 WEYI 25 MI 222	18 Es 1707 WWAY 3 NC 743	WUPW 36 OH 220
10 gw 2215 W24AI 24 IN	1718 WBTW 3 NC 586	2140 WGKI 33 MI 205
(Michigan City TBN)	19 Es 1758 KIII 3 TX 1116	26 Es 2218 WLBT 3 MS 668



Robert Kramer (continued) 12 tr 0248 WADL 38 MI 15 tr 0359 WOIO 19 OH 320  
 0436 WRGT 45 OH 237 18 tr 0835 WFUM 28 MI 224  
 26 Es 2300 KBTX 3 TX 912 0445 WPTO 14 OH 238 0845 WKPC 15 KY 277  
 0506 WCET 48 OH 250  
 August 1991 0512 WMCC 25 IN  
 4 tr 0305 WCLJ 42 IN 0529 WBGU 27 OH 200 0953 WTVS 56 MI 240  
 12 tr 0107 W69BT 69 IN 14 tr 2100 WGKI 33 MI 205 (Over WYIN-56)  
 (South Bend WCIU-26) 2131 WGTU 29 MI 225

A couple of notes. The channel 22 Video Jukebox Network station from Waukegon is W22AG, not W22AJ as reported in the VUD. I receive them here 24 hours a day (weakly).

W65BT, Milwaukee, is apparently no longer a translator of WCIU-26 (even though they are still included on the WCIU ID slide). When I've gotten them, they have been running old movies and job information. They call themselves INFO TV 65.

WGKI-33 has been noted carrying the newscast of WWTW-9/WWUP-10. So if you see a newscast using a 9 and 10 mention here, it's WGKI.

(Believing that a station should know what its call letters are, I am changing my references for channel 22 Waukegon from W22AJ to W22AG. Both Television Factbook and the FCC microfiche (09/01/90) show the call to be W22AJ. fm)

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

CDT

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

July 1991 12 tr 2047 W69BT 69 IN 200 24 tr 0600 WNEO 45 OH 405  
 30 tr 1900 WPNE 38 WI 25 (Reduced power) (South Bend WCIU-26) (w/WCIU & WGBA) 0630 & CBLFT10 48 ON280  
 Es 2232 unids chs 2-4 w (See Note # 6)  
 13 tr 0040 CICO## 42 ON 210 W57AR 57 WI 145  
 (Desbaratts) (Sayner WSAW-7)  
 August 1991 14 tr 2115 W69BJ 69 MI 195 (Snow free off  
 (Muskegon CHA) (Lansing WAQP-49) back of dish)  
 (See Note # 1) W54AF 54 OH 340 0646 WOAC 67 OH 395  
 (Bucyrus LPTV) (Home Shp Sprer)  
 5 tr 0521 @WINM 63(OH) 268 15 gw 2013 WPNE 38 WI 25 WSFJ 51 OH 395  
 (See Note # 2) (Back to normal) WGGNT 52 OH  
 Chicago area Vs tr 2118 WGKI 33 MI 110 0723 WBNX 55 OH 380  
 & Us extremely (See Note # 3) (Snow free)  
 strong 2159 W69BJ 69 MI 195 WQExt 16 PA  
 (See Note # 4) 1949 WRGT 45 OH 368  
 2051 W30AL 30 IL 200 (Piano CHA) 16 tr 0702 WINM 63(OH) 268 WNEO 45 OH 405  
 ("716-875-4949") WQLN 54 PA 405  
 7 Es 1725 KKTO 2 NM 1200 (ID seen - 2120) WLLA 64 MI 185 25 tr 0532 W41AP 41 OH 32  
 ("303-296-1333") (Sandusky LPTV)  
 KENwt 3 NM (See Note # 7)  
 KACvt 2 TX CITY 57 ON 410  
 KMIDt 2 TX gone 17 tr AM W30AL 30 IL 200 0553 WKBN 27 OH 420  
 2200 gone (See Note # 5) WJET 24 PA 405  
 9 tr 0527 W40AN 40 MI 95 (Escanaba WLUK-11) 23 tr 2000 W26AB 26 MI 265  
 (Snow free) 2110 WUSI 16 IL 402 (Detroit CHA)  
 CBCE 16 ON 270 24 tr 0530 WKBN 27 OH 420 W68BP 68 OH 365  
 W40AN 40 MI 95 (w/WBKB & WTTW) WYTV 33 OH 420 (Dayton TBN)  
 0610 W27AR 27 IN 320 (Fort Wayne WINM-63) W59CA 59 MI 200  
 (Indianapolis WTHR-13) 0547 WPCB 40 PA 480 0622 CICO51 51 ON 374  
 WKON 52 KY 437 (Snow free-0700) W99BJ 69 MI 195  
 WCET 48 OH 400 WAKC 23 OH 380 W629 CBLN2 34 ON 268  
 Es 2130 WSB t 2 GA 0550 WFMJ 21 OH 420 (Also 40, 45 in)  
 WESHt 2 FL 0600 W59CA 59 MI 200 0640 @CHOT 40 ON 588  
 WCBDt 2 SC (Jackson WAQP-49) (Snow free-0715)  
 12 tr 2047 WCCU 27 IL CBLFT17 68 ON268 W69BJ 69 MI 195  
 (Cardinals bb)

William Draeb (continued) 25 tr 0655 CBCE 16 ON 270 25 tr 2217 CBLN 40 ON 340  
 0707 WCET 48 OH 400 CBLFT9 53 ON 340  
 25 tr 0655 W40AN 40 MI 95 unid channel 48 26 tr 0450 WAKC 23 OH 380  
 (Morse code ID) (See Note # 8) (ID w/radar wx)

Note # 1 - Live programming. "TV BINGO" at 2000.  
 Note # 2 - 3/4 color bars with calls WINM-63 and W66BD.  
 Note # 3 - Carrying "TV 9 + 10 News" (WWTW-9 / WWUP-TV-10) on a delayed basis.  
 Note # 4 - Local phone number 517-754-0025. At 2200 IDs - WAQP-49, W69BJ, W59CA.  
 Note # 5 - "FOX VALLEY'S WFXV" in large letters. Below that in very small call letters - "W30AL PLANO IL".  
 Note # 6 - CBEFT-54 test pattern with call letters.  
 Note # 7 - Stock market news, local news, weather, etc.  
 Note # 8 - Same direction as Ottawa - religious programming.

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

CDT

Equipment:

ICOM R7000 with video adapter, JVC and Panasonic monitors. Various Zenith TV's. Screened Channel Master 7' dish with PA-4975 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 up 18'.

June 1991 22 Es 0600 WESH 2 FL 955 24 tr 0301 CIII22 22 ON 438  
 8 Es 0830 WPBT 2 FL 1165 0630 WUND 2 NC 835 CIII41 41 ON 617  
 WESH 2 FL 955 0830 WTVY 4 AL 715 0320 WPGH 53 PA 555  
 1020 KDBC 4 TX 1065 1000 KPRC 2 TX 800 WQIO 19 OH 471  
 1050 KNAZ 2 AZ 1195 1100 KENW 3 NM 860 (Very strong)  
 unid ch 2 Mexico 0357 K38CL 38 MN 250  
 WWL 4 LA 730 (Winona KITN-29)  
 1404 WGBH 2 MA 1010 4 tr W28BE 28 IL 73 0415 W64AK 64 OH 450  
 unid ch 6 Mexico (Springfield religion) (Conneaut WVIZ-25)  
 13 Es 1250 KACB 3 TX 815 0520 W17AZ 17 IL 225 0520 CIC032 32 ON 410  
 1359 KPRC 2 TX 800 (Johnston City TAB) K27CW 27 MN 233  
 KGBT 4 TX 1070 7 tr 0415 unid channel 14 (Rochester KITN-29)  
 KJAC 4 TX 735 (See Note # 1) 0512 W59CA 59 MI 349  
 1412 KIII 3 TX 970 Es 1330 unid ch 2 XEW (Jackson WAQP-49)  
 XEFB 2 AZ 1160 unid ch 5 XEW (TBN x1tr # 50)  
 1456 @XEFE 2 TA 1025 1530 XEFB 2 NL 1160 0517 KCCO 7 MN 426  
 1830 unid channel 2 16 tr 0110 W33AX 33 WI 190 0545 @K54AT 54 MN 455  
 (XEX-6 ID!) (Madison TBN) (Brainerd KVRN-15)  
 1900 WESH 2 FL 955 0114 K64DG 64 IA 94 0547 W27AU 27 WI 313  
 2023 XHGV 4 VE 1525 (Iowa City TBN) (Wausau WJFW-12)  
 2027 XHAJ 5 VE 1525 0125 K38AB 37 IA 40 0604 K40BR 40 MN 395  
 (Double hop?) (See Note # 2) (Willmar KITN-29)  
 15 Es 1400 KVOA 4 AZ 1240 0201 K34BR 34 MO 125 0610 K66DN 66 MN 395  
 KKTO 2 NM 920 (St. Charles TBN) (Willmar CBC North)  
 unid ch 2 Mexico 0215 W57BJ 57 WI 306 0650 W63DY 63 MN 420  
 25 Es 1000 XEFB 2 NL 1160 (Green Bay TAB) (Little Falls KMSP-9)  
 KIII 3 TX 970 23 tr 0234 W66BD 66 IN 291 0712 K74CZ 74 MN 250  
 KKTO 2 NM 920 (Ft. Wayne WINM-63) (Winona KTTC-10)  
 26 Es 1145 KKTO 2 NM 920 0304 K54AF 53 IA 70 26 tr 0355 K21DG 21 MN 320  
 1200 WEAR 3 FL 700 (See Note # 3) (St. James CMT)  
 July 1991 0328 W15AM 15 MI 308 0414 unid channel 50  
 18 Es 1030 KOAA 5 CO 755 (Grand Rapids WHME-46) (See Note # 4)  
 KLBV 4 KS 570 0354 CIII22 22 ON 438 unid channel 62-  
 WUNC 4 NC 700 CICO32 32 ON 410 unid channel 66-  
 KKTO 2 NM 920 0412 W48AP 48 OH 390 (Not KMSP-9)  
 unid ch 2 Mexico (Toledo LPTV) 0447 K20AC 20 MN 480  
 KCNC 4 CO 770 24 tr 0052 K14AD 14 MN 395 (Wadena KSAX-42)  
 1100 KRMA 6 CO 770 (Willmar KSAX-42) (See Note # 5)  
 KGWN 5 WY 750 0129 @W67AC 67 WI 175  
 1130 KSRE 6 ND 745 (Darlington W4A -21) 29 tr 0345 K25-- 26 MO?  
 KBME 3 ND 660 0150 W48AP 48 OH 390 (HSS- Kansas City hdg)  
 KWSE 4 ND 840 0248 W48-- 48 OH/MI??  
 KFBB 5 MT 1130 (Unknown // W54AF)

September 1991  
 2 tr 0430 CIII22 22 ON 438

## Jeff Kadet (continued)

- Note # 1 - Headline News to southwest. This may be from someone in town with a "Rabbit".
- Note # 2 - KARE-11 audio here from K38AB KIIN-12 translator.
- Note # 3 - KPLR-11 audio here from K54AF KIIN-12 translator.
- Note # 4 - CBS Nightwatch - not WCCO-4; just west of Minneapolis; exact frequency: 691.756 MHz.
- Note # 5 - Also most of the normal Minnesota translators which come in on tropo.

Yeah, we had a tornado come through Macomb last March. Neighbors two blocks from here lost their 70' tower with a Channel Master 1110, 7' dish and FM antenna on it. Frank's satellite dish was blown off its mount. The worst here was the mast holding the dish bent at about a 45° angle, the center element on my ham tribander broke and wanted to spin around like a windmill, and a two foot high stack of shingles blew off the roof.

The tower didn't budge. When my old 70' tower fell last year due to high winds the new tower's guying was dubbed "Operation Overkill" and it worked. Anyway, a new "Operation Overkill" was just completed on August 22nd, but this time with the mast. The new mast consists of two inner pipes each of which is Schedule 80 galvanized steel with a 1/4" wall, plus an outer shell of 1/16" galvanized steel conduit with all three welded together. I also put up a brand new Channel Master 7' screened dish.

The past E skip season was pretty lame although it started to pick up towards the end. Tropo has been extremely lame so far. In any previous year there has been some super tropo during the August 20th to September 10th period. As of today (09/03), it's been dimly dead except for enhancement out to 350 miles and a few minor openings.

If anybody has a chance to compare the new RDX Labs UA-900 preamplifier (the round shaped one, not the square shaped one) to the PA-4975 I'd be interested in hearing about how sensitivity and overload handling compare. 73.

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

## Equipment:

1981 13" Magnavox black and white, Pioneer TVX9500 (IF modified), VHF: Channel Master 1110 with Channel Master 00095 preamplifier at 35'. UHF: Antennacraft P-7 with APU 378 preamplifier at 38', AR 45 rotor.

## August 1991

14 tr 1930	KSWK 3 KS 212	24 tr 0528	KSNK 8 NE 241	26 tr 0200	unid ch 5 ne?
	(KOOB/KSWK ID)	ms 0530	KTVQ 3 MO 699		(See Note)
15 tr 0935	KSNC 2 KS 342	tr 0530	KSNK 11 KS 241		unid channel 12
	(Over KWGN-2)		(KKTU-11 off)	31 tr 0700	KLNE 3 NE 314

Note - TBS shown in lower left, later CNN Headline News; peaked ene.

Fixed the rotor on August 14th by regreasing it. What a messy job. Didn't know if I'd ever get it back together. Very little E skip early August for a below average E skip year. Tropo this summer also way below last year. Hope autumn is better.

The Perseids shower peaked around 0900 local time on August 12th with an estimated several hundred meteors a minute, the best peak I have observed in 27 years of monitoring it on 144 MHz. For almost two hours there was meteor induced E skip at times up to a least 220 MHz where I made 9 contacts. Hope some TV-DXers caught this extraordinary high band opening.

Dave Sinclair, 6565 Brooks Street, Vancouver BC V5S 3J6 PDT

## Equipment:

Archer antennas: VHF-FM model 15-8654 on Channel Master Crown rotor 5 feet above roof. UHF model U-120 10 feet above roof. Archer amplifier model 15-1113, adj. 10-20 dB. Both mounted on separate chimneys (straps). Electrohome VCR VHS, Sony colour TV model KV1215, Philips converter model CT3600 which has separate inputs for cable, VHF and UHF, stereo.

June 1991	1 tr 0230	KUTF 32 OR 288	9 Es 2230	KTVS 3 CO 1142
1 tr 0200	K27CI 27 WA 100	0245	KPDX 49 WA 252	10 tr 0130
	(Everett KTZZ-22)		(over Knowledge	(CBUT-2 off air)
0215	KBSP 22 OR 288		Network rebcast)	19 Es 1830
	(Over KTZZ-22)	Es 0700	KCRA 3 CA 757	2000
0220	KNWT 24 OR 252	8 tr 2130	KUTF 32 OR 288	KDUH 4 NE 1069
				2020
				KOTA 3 SD 1002

## Dave Sinclair (continued)

	July 1991	August 1991
18 Es 1900	KWSE 4 ND 875	4 tr 1930
	CKX 5 MB 1034	K47-- 47 WA
		(Unknown KOMO- 4)
19 Es 2100	KWIF 5 ??	12 Es 2007
	(New station?)	2010
	KWTO 2 WY 916	2010
	(Over CBUT-2 !!)	23 tr 2030
27 Es 1600	KEYT 3 CA 1024	K68DL 68 WA 111
		(Seattle TAB)

June 19th, KTWO-2 Wyoming was able to be identified because at that time CBUT-2, Vancouver, had a light background. CBUT's transmitter is about 12-15 miles north of my location and, at 100,000 Watts, is about 90 degrees from pickup of KTWO.

Channel three received over CBUT-2 rebroadcaster at Chilliwack, British Columbia, 56 miles east, 590 Watts erp. This rebroadcaster stays on all night with a colour bar and is fed by CBC North. CBUTs main transmitter on channel 2 signs off air.

I received and enjoyed Tom Bryant's tape of the 1990 convention and local happenings; very interesting. 73, Dave

(Channel 47 with KOMO-4 is probably K47BB at Joyce, Washington. I don't think there is anything new on channel 5. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61021

COT

## Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1962 detent tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with RDX Labs UA900 preamplifier on a 40' tower.

## June 1991

29 Es 1230	WEDU 3 FL 1031	8 Es 1030	KPRC 2 TX 893	19 Es 1603	WTVJ 4 FL 1229
1300	WUFT 5 FL 923	1100	KATC 3 LA 809	1608	WPTV 5 FL 1168
1315	WJXT 4 FL 895	1128	KMID 2 TX 967	1630	WPBT 2 FL 1229
1330	WESH 2 FL 983	1130	KBTX 3 TX 856	1800	KMID 2 TX 967
1400	KIII 3 TX 1072	1225	KDFW 4 TX 738		KPRC 2 TX 893
1420	rooster 2	1228	KALB 5 LA 742	1808	KRGV 5 TX 1189
	(See below)	1255	WEDU 3 FL 1031	1930	WTVJ 4 AL 758
1430	KDTN 2 TX 719	1300	KDTN 2 TX 719	2030	KRTV 3 MT 1112
		1505	KKTO 2 NM 972	2100	CKKX 2 AB 1293
		14 Es 1900	WEDU 3 FL 1031	2115	CKCK 2 SK 918
		17 tr 0430	CHCH 11 ON 488	20 Es 1600	WPBT 2 FL 1229
		18 Es 1040	KREX 5 CO 1006	1645	WCBD 2 SC 797
		1130	KWGN 2 CO 811	1800	WESH 2 FL 983
		1200	KTVM 6 MT 1151	30 Es 1625	WTVJ 4 FL 1229
		KTVQ 2 MT 968			WPTV 5 FL 1168
2 Es 0008	WLBZ 2 ME 1030	1230	KFBB 5 MT 1112	1630	WPBT 2 FL 1229
4 Es 2300	WGBH 2 MA 918	1300	KIDK 3 ID 1123	1655	WESH 2 FL 983
5 Es 1930	KTVQ 2 MT 968	1325	CBCCP3 3 SK 1002	2225	KKTO 2 NM 972
	2000	1330	CKCK 2 SK 918	31 Es 1900	WPBT 2 FL 1229
	2100	1335	CJFB 5 SK 1029		
7 tr 0210	KCCO 7 MN 404	1400	CKSA 2 AB 1206	August 1991	
	0250	1830	WPBT 2 FL 1229	1 tr 0345	KSAX 42 MN 404
	Es 1159	1930	WEDU 3 FL 1031		

## July 1991

1 Es 1235	WSAV 3 GA 803	17 tr 0430	CHCH 11 ON 488	20 Es 1600	WPBT 2 FL 1229
1500	WCBD 2 SC 797	18 Es 1040	KREX 5 CO 1006	1645	WCBD 2 SC 797
1515	WESH 2 FL 983	1200	KTVM 6 MT 1151	1800	WESH 2 FL 983
2200	WPBT 2 FL 1229	KTVQ 2 MT 968		30 Es 1625	WTVJ 4 FL 1229
2 Es 0008	WLBZ 2 ME 1030	1230	KFBB 5 MT 1112	1630	WPBT 2 FL 1229
4 Es 2300	WGBH 2 MA 918	1300	KIDK 3 ID 1123	1655	WESH 2 FL 983
5 Es 1930	KTVQ 2 MT 968	1325	CBCCP3 3 SK 1002	2225	KKTO 2 NM 972
	2000	1330	CKCK 2 SK 918	31 Es 1900	WPBT 2 FL 1229
	2100	1335	CJFB 5 SK 1029		
7 tr 0210	KCCO 7 MN 404	1400	CKSA 2 AB 1206	August 1991	
	0250	1830	WPBT 2 FL 1229	1 tr 0345	KSAX 42 MN 404
	Es 1159	1930	WEDU 3 FL 1031		

I included my June 29th loggings again. I checked the photo of an unusual test pattern on this date that took out WESH-2 for two minutes at 1420. Antenna heading was southeast at Daytona Beach. The identical test pattern is on page 48 of the October 1983 VUD. Only at the top of mine, there appears to be the head of a rooster or fighting cock. Transmission appears to have been in black and white. Double hop E skip to the Caribbean area is possible. Reception of Mexico less likely as it would have been at a 90° angle to a highly directional antenna and I hadn't seen it minutes before when pointed that direction. No one at the convention had seen it. Any help would be appreciated.

There is one August logging. Lightning hit my antenna while at the convention. Much of my DX equipment must be replaced. I am completely renewing my antenna setup.

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

COT

## August 1991

24 tr 0804	K53CH 53 MN 215	24 tr 0817	unid 58 religion	26 tr 0550	K60EJ 60 MN 90
	(St. Paul religion)	25 tr 1458	KYIN 24 IA 310		(ATexasria WCH)

# FM STATISTICS

FRED NORDQUIST  
7945 BOXFORD RD  
CLAY, NY 13041  
DEADLINE: THE 5TH

UPDATED 9/ 9/91

## ALL-TIME FM SCOREBOARD

DXER NAME		DXER LOCATION		TOTAL	88-92	ES	MS	AU	USA	CN	MX	FD	TPU	YB	AS	OF:
DYER	PAT	TX	SAN ANTONIO	2436	390	1986	63	0	44	4	21	5	75	70	02/28/91	
STROBEL	RALPH	IN	MUNCIE	2014	532	654	155	6	43	7	2	2	55	72	08/31/91	
BUNTIN	DANNY	OK	STILLWATER	1900	317	1146	4	0	48	5	9	2	65	74	09/01/90	
ELVING	BRUCE	MN	DULUTH	1734	317	1365	9	8	47	4	1	0	53	48	02/07/91	
EBELING	JOHN	MN	BLOOMINGTON	1674	286	973	46	83	47	6	5	0	59	52	01/01/91	
PUGH	KEITH	AL	NEW HOPE	1590	238	811	44	3	43	7	10	2	63	83	09/08/90	
FELA	JOSEPH	NJ	S. PLAINFIELD	1574	328	843	2	9	37	6	0	3	47	68	02/10/91	
NORDQUIST	FRED	NY	CLAY	1573	319	776	44	59	41	5	0	3	50	69	09/09/91	
BUGAJ	MIKE	CT	ENFIELD	1502	212	834	17	23	37	3	0	1	42	74	06/07/90	
NIEMAN	DAVID	NY	AKRON	1377	376	417	48	24	43	8	0	3	55	59	12/23/90	
HCCORMACK	FRED	ND	FARGO	1339	305	990	3	52	48	6	3	0	58	74	08/03/90	
SEYBOLD	BOB	NY	DUNKIRK	1326	212	611	0	2	45	8	3	0	59	58	06/24/90	
CONIGLIO	GREG	NY	WILLIAMSVILLE	1224	202	624	13	10	37	8	1	3	50	85	01/01/91	
EBELING	JOHN	MA	PROSIT	1137	212	763	3	5	48	9	2	0	60	75	01/01/91	
JEFFERSON	JOHN	CA	ANTIOCH	1130	250	662	160	0	29	4	5	0	38	74	10/17/90	
BRUMFIELD	DAVE	IN	RICHMOND	897	165	325	15	0	36	4	2	2	44	81	09/01/91	
SMOLAREK	BOB	NJ	OLDWICK	890	149	385	2	0	36	3	0	1	41	78	02/18/91	
MICHALEK	ALAN	MA	SPRINGFIELD	812	106	495	0	0	36	5	0	0	42	52	10/01/90	
OETTING	DANIEL	PA	EXTON	756	190	250	9	2	34	6	0	0	41	77	06/07/91	
ALLEN	DOUGLAS	CO	WOODLAND PARK	711	116	489	44	0	39	4	3	0	46	88	10/30/90	
GREENE	GEORGE	OH	AKRON	706	54	234	0	0	33	3	0	0	37	71	03/09/91	
ROSS	ROBERT	ON	LONDON	682	185	280	0	0	33	6	0	3	42	76	02/11/91	
BRUMFIELD	DAVE	IN	MUNCIE	682	149	65	1	0	29	1	1	0	31	79	03/01/90	
NIEMANJADLY	BILL	NJ	CLIFTON	501	96	169	5	0	34	2	0	0	37	75	07/11/90	
SHAFTON	RICHARD	NJ	ROCKAWAY	459	116	142	0	0	30	3	0	0	34	78	06/29/90	
MEADE	LARRY	IL	CHICAGO	459	85	65	6	0	23	2	0	0	25	79	09/05/90	
HALL	D. BRUCE	ON	BRANTFORD	403	66	9	36	0	28	4	0	1	33	90	12/18/90	
SITTEL	MATT	NC	RALEIGH	330	49	58	0	2	16	1	1	0	19	88	06/09/91	
BRANDENBURG	TODD	KS	SILVER LAKE	300	46	32	0	1	24	0	0	0	24	80	09/02/90	
MANCUSO	GUS	MD	CHEVERLY	259	41	31	0	0	22	0	0	0	23	70	03/26/91	
HEPBURN	WILLIAM	ON	MISSISSAUGA	251	93	62	1	0	24	1	0	1	27	79	02/04/90	
MANCUSO	GUS	WV	BIRCH RIVER	228	20	4	0	0	15	0	0	0	15	87	03/26/91	
HAWK	MIKE	NE	OMAHA	211	36	4	1	0	9	1	0	0	10	91	08/19/91	
RENFREW	JIM	NY	ROCHESTER	185	37	2	0	0	6	2	0	0	20	9	06/15/91	
MEADE	LARRY	KY	PRICE	165	35	0	14	0	10	0	0	0	11	79	09/05/90	
WHEELER	FRANK	PA	ERIE	162	23	2	0	0	8	1	0	0	9	64	08/20/90	
ONYSCHUK	KEN	IL	RIVERDALE	141	30	0	0	0	7	0	0	0	7	68	06/30/91	

\* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Aurora. USA = Total number of states and the "\*" = Washington, DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FD = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FD. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: This is a listing of entries received after 1989. Please update/submit your latest stats to keep on the Scoreboard. 73-Fred

I just compiled on my PC hard drive an ASCII data base of cities in North and Central America giving the grid coordinates of all cities that have FM/TV stations (excluding translators). The data base is organized into files for each political unit (e.g. states/provinces/foreign political units), and is used in conjunction with a BASIC computer program to calculate Great Circle distances between DXer locations and DX stations. This program is used to check distance records for Statistics. This computer program can also calculate the distances (in miles and/or kilometers) of all cities in the data base from any DXer location. If you are not concerned with knowing the exact distances of the transmitter tower locations from the center of each city,

then you may want to have a printout of this data base for your location to assist you in including distances with your DX reports in the VUD. If interested, write me for details. 73 - Fred.

AS OF: 9/09/91

## STATES STATS USA

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	KEY TO DXER INITIALS/LOCATION
AL	106	KPU-	56	JEB-	LA	72	RSA-	63	REL2-	OH	219	RST-	177	FMC-	AMI- ALAN MICHALEK MA SPRINGFIELD
AK	11	JJE3-	0	None	NE	40	RST2-	30	KPU-	OK	122	DBU-	51	FMO-	BEL2 BRUCE ELVING MN DULUTH
AZ	48	PDY-	36	JJE2-	MD	54	JFE-	48	GRA-	OR	31	JPI-	29	FMC2-	DAL- DOUG ALLEN CO WOODLAND PARK
AR	86	DDO-	61	VEA-	MA	94	RST2-	77	MBU-	PA	157	DNI-	133	FMO-	DBR- DAVE BRUMFIELD IN MUNCIE/RICHMOND
CA	360	JJE2-	120	PDY-	MI	156	RST-	139	FMC-	RI	14	WMO-	12	RST2-	DBU- DANNY BUNTIN OK STILLWATER
CO	107	DAL-	69	JJE2-	MN	169	JEB-	155	JJE2-	SC	54	RS1-	53	PDY-	DNI- DAVID NIEMAN NY AKRON
CT	49	MBU-	42	ARI-	MS	78	KPU-	64	TMC-	SD	39	KPU-	35	JJE2-	DGD- DAVID ODELL AR LITTLE ROCK
DE	13	DOE-	11	JFE-	MO	118	FME1-	84	DBU-	TN	110	KPU-	93	JAY-	DOE- DANIEL OETTING PA BROOKHALL
FL	146	DBU-	142	PDY-	NT	29	JJE2-	25	JPI-	TX	298	PDY-	211	RSA-	FMC- FRED MCCORMACK MD DES LACS
GA	102	KPU-	92	PDY-	NE	57	MHA-	50	JJE2-	UT	29	PDY-	22	DBU-	FMC2 FRED MCCORMACK ND FARGO
HI	0	None	0	None	NV	24	PDY-	24	DBU-	VT	14	KPU-	13	ARI-	FMC- FRANK MERRILL RI MILAN
ID	28	DBU-	26	PDY-	NH	27	RST2-	17	ARI-	VA	61	MS1-	59	DBU-	FME1 FRANK MERRILL IL MACOMB
IL	198	FME1-	196	RST-	NJ	74	JFE-	69	RSB-	WA	46	FMC2	30	JJE2-	FMO- FRED NORDQUIST NY CLAY
IN	179	RST-	132	DBR-	NM	45	JJE2-	44	KPU-	WV	39	RST-	33	FME1-	GMA- GUS MANCUSO MD CHEVERLY
IA	120	RBR-	102	JEB-	NY	209	FMO-	172	DNI-	WI	136	REL2-	120	JEB-	JAY- JIM AYERS TN MURFREESBORO
KS	89	DBU-	78	TBR-	NC	117	MS1-	79	PDY-	WY	26	RST-	24	PDY-	JEB- JOHN EBELING MN BLOOMINGTON
KY	101	RST-	69	DBR-	ND	34	FMC-	34	FMC2-	DC	13	GMA-	13	DNI-	JEB2 JOHN EBELING MA PROSIT

## CANADA/MEXICO/FOREIGN STATS

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	KEY TO DXER INITIALS/LOCATION
CANADA					MEXICO (CONT)					MEXICO (CONT)					
AB	28	JEB2-	26	JJE2-	CHI	8	FME1-	6	FMC-	SLP	2	TMC-	0	None	MBU- MIKE BUGAJ CT ENFIELD
BC	20	JJE2-	11	JEB2-	CHP	3	PDY-	0	None	SDH	3	JJE2-	3	PDY-	MHA- MIKE HAWK NE OMAHA
MB	15	FMC-	13	FMC2-	COA	8	FME1-	6	PDY-	TAR	2	TMC-	2	KPU-	RS1- MATT SITTEL TN KINGSPORT
NB	9	FME1-	6	RST-	DF	21	TMC-	21	JPI-	TAM	8	PDY-	6	KPU-	MS1 MATT SITTEL NC RALEIGH
NF	13	FMO-	12	DNI-	DUR	1	PDY-	0	None	VCZ	9	JPI-	6	KPU-	PDY- PAT DYER TX SAN ANTONIO
NS	15	FME1-	9	KPU-	GRD	5	PDY-	1	JPI-	YUC	2	JPI-	2	PDY-	RBR- ROGER BROWN IA AMES
ON	114	DNI-	80	FMO-	GTO	9	JPI-	2	TMC-						RSR- RICK SANFORD TX BURNETT
PEI	2	JFE-	2	RST-	HGO	1	JPI-	0	None	FOREIGN					RSC- ROBERT SCHWEITZER NJ E BROWNSWICK
PQ	28	FME1-	26	DNI-	JAL	12	TMC-	10	PDY-	CUBA	6	RST-	5	FME1-	RSB- ROBERT SMOLAREK NJ OLDWICK
SK	9	JJE2-	8	FME1-	MEX	3	JPI-	3	PDY-	BELIZ	3	PDY-	1	JPI-	RST- RALPH STROBEL IN MUNCIE
NWT	1	MHE2-	1	JEB2-	AIC	3	JPI-	1	PDY-	BERMU	3	DNI-	2	FMO-	RST2 RICHARD STEINBERGER MA HUDSON
					NOR	5	PDY-	3	JPI-	EL SA	4	PDY-	1	KSI-	SCH- SAUL CHERNOS OH BURNT RIVER
MEXICO					NL	16	PDY-	14	KPU-	GUATE	11	PDY-	4	KSI-	SWE- STEVE WEST PA HAVERTOWN
AGU	1	JPI-	0	None	OAY	1	JPI-	1	PDY-	HONDU	2	KSI-	2	PDY-	TBR- TODD BRANDENBURG KS SILVER LAKE
BCN	14	PDY-	10	FMC-	MAY	1	PDY-	0	None	JAMA	14	KPU-	3	JPI-	TBC- TIM MCVEY TX BOLIVAR
BOS	1	PDY-	0	None	PUE	5	PDY-	4	TMC-	PUERT	4	KSI-	1	DNI-	VER- VERNON EATON AR BENTON
CAN	1	JPI-	0	None	SIN	2	JJE2-	1	DBU-	D. REP	1	KSI-	0	None	WHE1 WILLIAM HEPBURN ON CORNWALL
										BAHAM	1	FMO-	0	None	WHE2 WILLIAM HEPBURN NT CORAL HARBOR

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJA.

## PERSONAL BESTS - FM STATISTICS - 9/91

### CHANNEL METRICS - Daniel Oetting - Exton PA - (6/7/91)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	14	6	6	7	29	6	4	9	11	11	4	6	4	3	3	4	5	6	5	6	149
.3	7	6	9	14	11	5	6	21	5	11	7	4	12	5	5	9	3	3	4	6	153
.5	14	8	13	12	5	5	4	13	4	8	13	3	5	7	7	3	8	9	5	5	153
.9	9	13	5	9	6	5	8	4	6	14	8	1	7	6	4	8	6	7	5	5	136
.9	7	8	5	8	19	3	16	12	8	5	2	10	6	5	3	4	5	8	6	10	150
TOTAL	51	41	38	50	70	24	38	59	34	49	34	24	34	26	22	32	22	32	29	32	741

### CHANNEL METRICS - Mike Hawk - Omaha NE - (8/19/91)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	2	2	2	3	2	1	1	1	1	0	3	2	0	2	1	2	2	2	2	3	34
.3	1	3	1	1	1	3	0	1	1	4	1	3	3	2	2	2	2	3	4	3	41
.5	4	2	1	2	1	2	4	2	5	1	1	2	1	6	1	1	1	5	4	2	48
.9	1	2	1	3</																	



# SUPER-CHARGE YOUR PIONEER SUPERTUNER III

BY BILL NOLLMAN

This is just one more case of a consumer product falling somewhat short of DXers expectations...but we can fix that!

The older models of the Pioneer Supertuner III (the ones with green backlighting) were nice car stereos in that they were fairly sensitive and included a MONO/STEREO switch. Unfortunately the honest folks at an unnamed local car dealers repair shop also liked my KE-A380, and so it goes.

So about 2 years ago I purchased a new Supertuner III (the model KEH-5656 - with orange backlighting) which, if you go by the numbers, has a much more impressive FM tuner in it. If you go by DXer friendliness it leaves a few things out. In all their infinite wisdom the engineers at Pioneer left out the MONO/STEREO switch. And if that were not bad enough they added a Hi-Blend muting circuit so that as a signal fades, so too does the volume and the hi frequencies. So long to that weak station on 99.7.

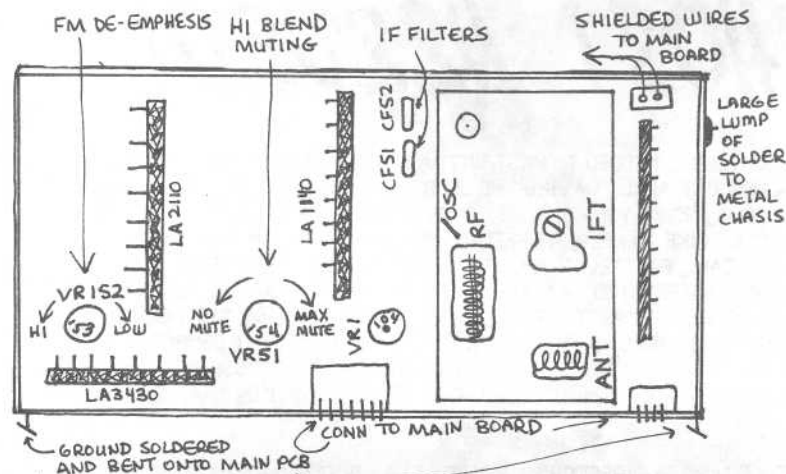
Well, as luck would have it I got my hands on another KEH-5656 and figured if I played with the innards of one I'd have a second to compare it to should I really foul up anything. Here's what I found...

- 1) The original IF filters are either 180KHz or 150KHz because putting in two 150's made no difference in selectivity. When I put in two 110KHz filters things began to happen. Put simply 20 adjacent channels became either more usable or totally clear (except for the stations that were suddenly there.)
- 2) The Hi-Blend Muting is almost fully defeatable by turning Variable Resistor (VR51) fully counterclockwise.
- 3) FM Hi-end which I always thought was a little weak can be boosted by VR152. Counterclockwise for more. This is probably the FM de-emphasis control.
- 4) If you have this tuner or a similar one there is a STEREO WIDE circuit (used in a few other models) that is on the front panel just below preset 4. If your model has this there is a cut out on the faceplate with a blank plug in it. The button and contacts that activate the feature are just behind the faceplate. One thing, with 110KHz filters this feature did not seem to work even though the LCD had STEREO-WIDE lit.

The biggest trouble I had was getting the chassis apart the first time. After that it's a breeze. If anyone out there wants to try and modify there Supertuner III I'd be glad to help in any way possible. The benefits are certainly worth it. If you need help feel free to call 203-633-2490.

## SUPER-CHARGE YOUR PIONEER SUPERTUNER III.

THE PIONEER SUPERTUNER III MODULE IS LOCATED AGAINST THE RIGHT SIDE OF THE RADIO BEHIND THE TUNING KNOB. THERE ARE THREE SOLDER POINTS THAT MUST BE REMOVED TO PULL THE BOARD OUT FROM THE MAIN BOARD SO THAT YOU CAN UNSOLDER THE IF FILTERS. THE MUTING CONTROLS CAN BE ADJUSTED JUST BY TAKING OFF THE METAL CASE OF THE RADIO.



## STATION BREAK

c/o WTFDA STATIONBREAK  
PO Box 514  
Buffalo, NY 14205-0514

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

WANTED - I collect airchecks and I need someone in the Chattanooga, TN area to record a station for me. I will pay. Call (919) 489-2164 or write to: Ed Best - 2826 Stuart Dr. - Durham NC 27701

FOR SALE - Antennacraft - P-7 7' UHF parabolic (new design) \$89.95 + \$8.00 UPS. P-5 5' parabolic (new design) \$62.00 + \$7.00 UPS...new MXU-59 100" corner reflector yagi high gain UHF \$53.00 + \$6.00 UPS. ST-1 scanner antenna covers 30 - 900 MHz \$35.00 + \$4.00 UPS. GFM-10 10 element FM antenna \$35.00 + \$5.00 UPS. Also: (too numerous to list here) low band and highband TV broadband antennas, Channel Master, Winegard, Blonder-Tongue antennas, amplifiers and accessories coax cable, outdoor matching transformers, rotors. Call for anything not listed in the product lines above. Certified check or money orders only. Rich Wertman - 6150 Crosby Rd. - Lockport NY 14094 - (716) 433-0805

FOR SALE - Pioneer TVX 9500 TV tuner (IF modified), a poor man's R-7000. Sold for \$250 1979-80. Two in stock, \$55 each. Pioneer TX 9100 (IF modified) \$140. Pioneer TX 8500 II (IF modified) \$130. Sansui TU-517 (IF modified) \$130. Other tuners (IF modified) from \$40. All antennacraft antennas at dealer cost as usual. NEW: FM-13 preassembled \$99.95. Plus UPS on all above. Send large SASE for more info on antennas and tuners. Doug Allen - P.O. Box 5646 - Woodland Park CO 80866 (719) 687-3549 no collect calls please

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

# 1992 CONVENTION HOST NEEDED!

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