The Official Publication of the Worldwide TV-FM DX Association

REPORT:





OCTOBER 1990

first

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POST OFFICE BOX 514-BUFFALO, NY14205-0514-U.S.A

Harvey Cushing MD

WORLDWIDE

TV-FM

DX ASSOCIATION

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S XPIRES NEXT

FromTheSTAFF

BODACIOUS TROPO!...The late August/early September period is often the best time of the year for tropo DX in most of eastern and central North America. 1990 has certainly turned out to be a classic example of this. Interestingly enough, it happened this time without a major Hurricane influence, although tropical depressions were a factor. Nevertheless, all the key elements were present, including unusually large and stable humid air masses. At one point, a high-pressure area that seemed to be "glued to the weather map" over the mid-Atlantic states resulted in the opening of unusual Appalachian mountain paths. Word has reached us of the once-in-a-decade kind of ducting that takes place during such rare tropo events. It's likely that some DX records were set. There are too many outstanding loggings for us to cite individually here--please refer to the DX report columns for details.

F2 SKIP "FIREWORKS" MAY NOT BE OVER YET!...While it may be true that we are past the solar activity peak now, F2 skip levels often produce excellent VHF DX opportunities for many months following the peak. At "plateau" in solar activity can result in the F2 events of the peak season repeating themselves to some degree during the following season. We're now into Fall, and several observers have expressed surprise at how well F2 skip has returned to the 30 MHz region and above. Conventional wisdom has it that the coming months will not be as good as last year...but who knows? We may be surprised. If you were checking the 48/49 MHz range for signs of European TV carriers last year, be sure to pay attention to these frequencies again this year as well! Even if the transAtlantic video carriers don't show up in the coming months, and even if no-one detects any 45/46 MHz Australia/New Zealand signals this time around, there are still likely to be some very interesting F2 skip signals in the 30 to 50 MHz range.

MTFDA CONVENTION WRAPUP IN THIS ISSUE...We owe a big thanks to Mike Wimer for producing this year's WTFDA convention. Tom Bryant has provided us with a report on the event starting on page 3 of this issue, with photographs by Shirley Wimer. Thanks to photo editor Dave Nieman for assistance with the photo layout.

TABLE OF CONTENTS

SPECIAL REPORT CONVENTION '90: Manassas bash was a smash!	3
SATELLITE NEWS: Audio sub-carriers available via the birds	7
FCC FM NEWS: New edition FM ATLAS is now in production!	10
NORTHERN FM DX: The big story has been the very good tropo	14
SOUTHERN FM DX: 900-mile Colorado to Illinois tropo haul on FM.	22
EASTERN TV DX: To say tropo was good would be an understatement	t 27
MESTERN TV DX: Colorado UHFs viewed in Illinois during super to	ropp33
TV CCI(UNIDENTIFIED DX): Antenna heading is needed to solve un	IDs 44
TY TIME TUNNEL: How DXer Bill Eckberg got started	46
FM STATISTICS: The all-time FM DX records	47
ANARC UPDATE: Where is the Association of radio clubs going?	50
GUIDELINES FOR BETTER UHF: Based on classic FCC/Georgia Tech st	tudy51
PHOTO NEWS: More of Mike Hollis' trans-Gulf goodies	52

Cover illustration from a photograph submitted by Mike & Shirley Wimer

Special Report

MANASSAS -- 8/3-4-5/90 -- A SMASH HIT !!!

We talked dx! We looked at dx! We looked for dx! We went through enough soft drinks to float the Titanic! We ate! We stayed up too late! We made new friends! We renewed previous acquaintances! We snacked! We toured! We did it up in style; and everybody had a SUPER time!

That's a thumbhail sketch of what went on at WTFDA Convention '90...now a look at the particulars. If you were there you'll enjoy reviewing the events of the weekend; and if you weren't able to attend, this summary is dual-purpose..to report on the event, AND to what your interest in attending the 1991 convention.

Here is a list of the 28 registered [slphsbetically by geographical unit]: GT-Bill Nollman IL-Bill Eckberg-Marvin Schultz KS-Jim Districh LA-Jeff Kruszka-Ron LeBlanc MA-Peter George MD-Sam Brown-Gus Mancuso-Tom Yingling OH-George Greene ON-Bruce Hill NY-Greg Coniglio-Mike Coniglio-Mr. and Mrs. Max Engel and son Alex-Robert Goodman-Bill Kratschmer-Bob Seybold NJ-Paul Mount-Bob Smolarek IN-Tom Bryant-Matt Sittel TX-Joe Gragg VA-Jim Rollins-Mike Wimer-Shirley Wimer.

Facilities at the Olde Towne Inn were ideal and the accommodations cosy. Early arrivals on Thursday August 2nd helped unload antennas, masts, rotors, etc.; then headed out for a late dinner. Back at the Inn, gab sessions after dining lasted well into the night.

On Friday morning a contingency of about 15 made a pilgrimage into downtown Washington, O.C. for a visit to the public records office and library at the FCC. This trip included a ride on the Washington 'Metro' subway system... a new experience for some.

The entenness were put in place Friday afternoon, and the dx center became operational. The convention officially opened at 5 PM with a pizza dinner. Following the meal there was plenty of time for swapping dx stories, discussing equipment, and looking at dx photos, tapes, and confirmation cards and letters. Friday activities officially ended at 11 PM, but many were still going strong as late as 2 AM!

Saturday's schedule kicked off with an excellent brunch at a nearby restaurant. Then, most of the group headed off to tour area PBS facilities. The first stop was the satellite uplink transmitter; and phase two of the tour was a visit to the national program distribution center. Virtually everything on PBS is on tape and is fed to affiliates nationwide from this facility. Some video production is also done here, and we were treated to a demonstration of the electronic wizardry created at the hi-tech center.

After the PBS tours there was time For short catnaps, quick showers, and more socializing prior to a mouth-watering dinner catered by Po' Folks Restaurant.

Following the meal, Jim Rollins, a native of the Washington area, presented a history of FM broadcast operations in the nation's capitol. That was followed by an in-depth technical discussion of balun impedence matching units presented by Jim Dietrich of Wichita, KS. Jim also discussed a new matching device (along with a UHF pre-amp) that he has designed and is attempting to have produced commercially. A field test of his units is scheduled to be the subject of a report in an upcoming issue of VUD. Tom Bryant, Production Manager for WSM AM/FM in Nashville, TN spoke briefly on the subject of verification requests from the perspective of those who handle them at radio and ty stations.

(continued - next page)



FIRST ROW (L - R) 2nd ROW (L - R) LAST ROW (L - R)

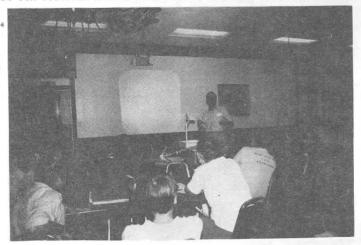
GUS MANCUSO PETER GEORGE MICHAEL CONIGLIO PAUL MOUNT BOB SEYBOLD

TOM BRYANT JIM DIETRICH JEFF KRUSZKA ROBERT GOODMAN JIM ROLLINS MARVIN SHULTS

GREG CONIGLIO BRUCE HALL GEORGE GREEN BILL NOLLMAN WILLIAM ECKBERG MICHAEL WIMER

ATTENDEES NOT SHOWN IN PICTURE: JOE GRAGG, TOM YINGLING, MR & MRS MAX ENGEL AND SON ALEX, RON LEBLANC, BILL KRETSCHMER, BOB SMOLAREK, SAM BROWN, SHIRLEY WIMER (PHOTOGRAPHER, BEHIND CAMERA).

BELOW: JIM DIETRICH GIVING TECH TALK ON HIS UHF BALUN AND AMPLIFIER.



SPECIAL REPORT: CONVENTION 1990

LEFT: JIM ROLLINS GIVING HIS TALK ON FM IN THE WASHINGTON D.C. AREA.



(WTFDA Convention '90/Manassas, VA--report continues)

Wrapping up the 'tech-talk' segment was a question and answer session with Joe Gragg, professional broadcast consulting engineer of Palestine, TX fielding the inquiries. Topics covered a variety of subjects including E skip formation and propagation, and oddities of auroral and meteor shower activity.

After the formal session there was more time for visiting, followup discussions on earlier topics of the evening, and screenings of more dx tapes. It was about 2 AM when everyone finally pulled the plug!

Sunday brunch at 11 AM was the eye-opener for most of the gang. Then it was back to the convention site for group photos. Back in the meeting room, bumper stickers and station promotional items were the main focus of attention; and there was plenty of swapping going on! There were lots of laughs as Gus Mancuso played a videotape of an old "Twilight Zone" episode featuring a dx-er of sorts. His plight was much like ours. the poor guy was unappreciated, misunderstood, and suspected (by friends and loved ones) to be a little bonkers!

Next on the agenda..a surprise "VUD Test" (and most of us had less than total recall when it came to answering the questions based on happenings reported in recent issues)! After the quiz there was a brief tour of the WTKK (66) studios..located within walking distance of the Inn. Toward late afternoon the antennas were taken down and the task of breaking camp was underway. By 6 PM we had vacated the meeting room, goodbyes were being said, and WTFDA Convention '90 was officially adjourned.

Oh, by the way, since this was a dx gethering you might be wondering about all the GREAT catches of the weekend. Sorry, but in spite of the presence of the 'King of DX' Bob Saybold; there was ND Es...and no tropo activity worthy of special mention. Oh well...we couldn't have everything!

Finally, special thanks to hosts Mike and Shirley Wimer For selecting an excellent location as well as choreographing a perfectly run event. Those in attendance were sincerely appreciative of their tireless efforts..all of which contributed to a memorable weekend in Manassas.

ANARC UPDATE

(continued from p.50)

There is talk of allocating more frequencies to the East End. WMNK 104.7 Montauk and WVEH 96.7 East Hampton haven't made it on the air yet. Is this market big enough to handle all these stations? Added to this is a fight for educational frequencies. WPBX 91.1 Southampton wants more power and WSHU 91.7 Fairfield CT, the Connecticut Public Broadcasting, and WLIW-21, Long Island's educational TV all want to construct stations on the East End.

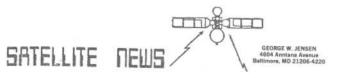
Moving west along the LIE, The Long Island Sound has disappeared. WCTO 94.3 Smithtown has given up its instrumental beautiful music format. At the end of August, they became MAGIC 94 with a light rock format. Most missed are WCTO's ID tapes with the sounds of ocean waves and seagulls.

The change over of WJAZ to WQQQ 96.7 Stamford CT has been reported elsewhere. The last day of WJAZ consisted of sounds of construction with occasional announcements— "This is the annoying sounds of construction. We are building a new radio station, the all new 'Q'".

On the tube, WHAI-43 Bridgeport CT is still on the sir with the half hour commercials from approx. 9AM to 6PM, weekdays only. W53AA New York has programs in Chinese and Morean. They call the service Pan Asian TV. W60AI New York has the Home Shopping Spree program 24 hours a day, 7 days a week. Who said home shopping TV was going to disappear?

Well, it's good to be back after a long absence. I'll have plenty more in the future.

Steven Sprachman



Greetings and time for the yearly review of Audio Sub-Carriers on air as of mid July. First some additions and corrections to the Video List of last month:Westar 4 - XPDR 24 - Black College Satellite Net. (occ.)
Westar 5 - XPDR 6 - Caribbean Superstation (occ.)
Spacenet 2 - XPDR 11 - ESPN International (MAC enc.)
Morelos 2 - XPDR 10 - Multivision (Children's) (occ.)
Telstar 303 - TVN using XPDR's 1,2,3,4,5,6,7,8,9,
13, 20 and 24 (24 is promotional channel)

1990 Audio Subcarrier List

SATCOM 5

24 - KSKA - Anchorage, Alaska (FM 91.1) Moody Bible Institute

SATCOM 1

- 1 ABC Talk Network 4 - Sun Radio Network
- 7 KSUR Monterey, California (FM 99.5) (Greenfield KKJZ - Los Angeles, California (AM700)
- 11 KFMK Houston, Texas (FM 97.9) KIKK - Houston, Texas (FM 95.7)

GALAXY

- 2 WSM Nashville, Tennessee replaces Nashville Net
- 3 WFMT Chicago, Illinois (FM 98.7) Seeburg II - Contemporary Lifestyles
- 8 CNN Headline News Audio Portion (breaks silent)
- 11 CBN Radio Network
- 15 WQXR New York, New York (FM96.3)

SATCOM 3

11 - Cable Radio Net Los Angeles

TELSTAR

24 - SBCA was here during convention

WESTAR

- 13 CTNA Radio Net. (Catholic Telecomm. Net)
- 18 WAMO Pittsburgh, Pennsylvania (AM 860)
- this is origination of Sheridan Net.
- 20 KNOW Minneapolis, Minnesota (AM1330) WCCO - Minneapolis, Minnesota (AM 830)

SPACENET

17 - KISN - Salt Lake City, Utah (FM 97.1) In-Store Music Services Modern Country Music Net.

MORELOS

- 2 XEFR Radio Felicidad (AM 1180) Radio Acir (sep from Felicidad)
- 14 XEX FM (ID's as Stereo 72?)

ANIK DZ

17 - RaDIO France International Continuous Chamber Music service

ANIK C

6 - Westwood One Radio Network

20 - Eskimo/Indian Radio Service with unique interval sig. CJRT Toronto, Ontario (FM91.1)

2 - CFNY - Toronto (Brampton) Ontario (FM102.1) International Broadcasting Network (Religious) Feeds (news and informational) 6 - CHIN - Toronto, Ontario (8 - CHFI - Toronto, Ontario (FM 98.1) CILQ - Toronto, Ontario (FM 107.1) 14 - CKAC - Montreal, Quebec (AM 730) CITE - Montreal, Quebec (FM 107.3) News Feeds 15 - CBC French feeds 16 - 2 CBC Feeds 18 - CIRK - Edmonton, Alberta (FM 97.3) CKER - Edmonton, Alberta (AM 1480) CISN - Edmonton, Alberta (FM 103.9) CFWE - ???????? CKRW - White Horse, Yukon Territory (AM 610) CFNR - Terrace, British Columbia (listed) 20 - CBM - Montreal, Quebec CBC Classical 21 - CKNM - Yellowknife, NorthWest Territories (FM 101.9) 22 - CFMI - New Westminster, B.C. (FM 101.1) CBU - Vancouver, B.C. CBC Talk CKNW - New Westminster, B.C. (AM 980) 23 - VOCM - St. Johns, Newfoundland CHON - Whitehorse, Yukon Territory (FM 98.1) CKRW is here when CHON is not operating 24 - CBC Radio services WESTAR 4 6 - WCRP (Radio Revelacion) Guayama, Puerto Rico (FM 88.1) 7 - Country & Gospel Music Service Yesterday U.S.A. 11 - GALACTIC MUSIC SERVICES American's Country Favorites Classic Hits Soft Sounds Light and Lively Rock Classical Collections New Age Of Jazz In-Touch Reading Service KOA - Denver, Colorado (AM 850) Business Radio Network 14 - C-SPAN Program Guide 24 - C-SPAN Radio Guide Classical Music Channels 3 - WROL - Boston, Massachusetts (AM 950) 5 - Installation Audio Text Network USA Radio Network Sun Radio Network Religious Program Feeds. 9 - National Black Network Modern Country Music service UPI Radio Feeds WKEN - Dover, Delaware (AM 1600)

(C-Sat evenings on WKEN frequency) 15 - KKJZ - Los Angeges, California Ambassador Inspiration Radio

2 Religious Program Feeds

3 - RAI USA Radio service 5 - WRVL - Lynchburg, Virginia (FM 88.3) WLBU - Lynchburg, Virginia (TESTING) 8 - Black Gospel Music Service KILA - Las Vegas, Nevada (FM 90.5) 15 - Yesterday USA Lighthouse Inspiration 19 - In-Touch Reading Service GALACTIC RADIO SERVICES as on G-3 11 NOTE - this transponder carries a large number of encrypted audio services. 21 - Yesterday USA 22 - AFRTS carries 2 audio services on this channel that are encrypted SPACENET 2 2 - Nebraska Public Radio Network

BBC World Service radio noted occsaionally 16 - Radio France International

14 - carries several occasional BBC/ITN Audio News Feeds 24 - Radio Nacional de Argentina - Buenos Aires

INTELSAT 27.5W 14 - Capitol FM Radio London, England when not feeding 16 - BBC Radio Services 15 - VOA/USIA Radio services primarily in English, Spanish and Portuguese

This completes the yearly summaries. I have tried to verify the many services listed in several sources. At times this was not possible. You have no idea what it is like to listed to hours of schlock and other types of boring items to get an ID that at times never comes. That's all for now - see you in 30 and "73's as always.

SOUTHERN FM DX (continued from p 26) Jefferson, cont. 8/2/90 TR 0756 KDDB@ 92.5 CA Paso Robles 180 Local; KAER off OBOO KLAD 92.5 OR Klamath Falls 290 Calls 1918 XHHB 94.7 SN 910 R. Sonora Hermosillo 8/11/90 MS 1251 KLTN 103.5 NV 380 Local ad Las Vegas 8/15/90 TR 1105 KLAD 92.5 OR Klamath Falls ID; KAER off

Aside from 5/28, the best day of the season was probably 7/11. Except for an eye appointment, I'd have missed it. Left work early just so I could swing by the house, leave the car, & take a leisurely walk to the doctor's office. Ended up bent over the FM until the last minute, as the skip was hot & locals KWOD 106.5 & KRAK 105.1 were off. Caught KYQQ live, though it took a while to confirm them as I hadn't received word of the call change, and their Arkansas City phone # is a toll-free in-state only number. My only previous loggings on 106.5 in Northern CA since I began in 11/57 were KWOD & KEZR San Jose, so that was a BIG one.

Finally had to go. Made a fast guess, left the tuner on 105.1, & drove to the appointment. By the time I'd gone 2 blocks, KWOD was back, so that was the right choice! Aside from what's noted above, KXKL was in for 20 minutes, interrupted only when KJFK walked on them. The tape ran off 50 minutes later, & two stations were still fighting it out on 105.1, but when I returned at 1610 the FM was dead. Question is, how long was it going before I got home? And how many other work days had openings like that? (I don't think I want to know the answer to that - it could lead to depression.)

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

Readers' Reports

Long-time DXer Dennis Smith in CA has joined the WTFDA. I remember meeting him in Syracuse NY in the late '60s. He also bought back issues of the "FM Atlas" plus photocopies of introductory material of books out of print, "Thanks for all the good stuff you sent." He was amused by my correcting of members' spellings in the sample VUD he received. "You do reply as well as you can, and still be diplomatic with a bit of humor to avoid hard feelings. Yes, some of us ARE 'picky', I guess, and like to see things more than 'somewhat readable' and have their DX reports slightly mauled... According to dictionaries, the plural 'antennae is for live critters' (bugs, insects, lobsters, etc.) appendages, and 'antennas' is for the gadgets that pick up electromagnetic (i.e., radio) signals. Maybe to solve it simply, we could go back to 'aerial/aerials'!... I got the impression that Canada jumped into the metric system rather suddenly and drastically [and] that our FCC did much the same thing. The 'schoolroom' approach is good as far as it goes: 'A meter is only a little longer than a yard'; 'a liter is just slightly larger than a quart', and so on. Radio and television stations in the U.S. tried for a time to include Cels ius temperatures along with Fahrenheit, but in many or most cases it was only a token effort which eventually fizzled. I don't know if I'm like 'most people', but I would like to get used to metric measurements, even though I am accustomed to non-metric stuff." From a chart he made, 5 degrees C = 41 F; 10 C = 50 F, 35 C = 95 F, 40 C = 104 F. He wonders if a chart might help, published here or in the FM Atlas, I'd think not, You can get cheap (or free) slide rules from places like Radio Shack for converting from and to the metric system, or just look up "metric" in the dictionary. Dennis also wonders if there is a newer edition of the Lawrence Lessing biography on Edwin H. Armstrong. While there is no newedition of that book, another Armstrong book was being worked on by a researcher in New York state. I forget the person's name.

I also heard from another DXer, known to many of us during the 1960s. He's Jim Cumbie of Dallas, who sent much TX station news. "I'll probably be switching to SCA soon, but the price of FMedial is a little steep for me and I'll pass on it for now. . . One of the reasons I gave up FM-DX (in addition to family responsibilities) was the proliferation of nonIDs, which made identifications difficult. Your book should help out a lot when identifying these elusive stations. I am just DXing casually now, and have only been hearing trops, but should some real DX activity develop, the Atlas should

really save the day."

Bill Lindsay in the state of WA likes the Heathkit CR-1000A car radio for DXing-if you can find it. It has "excellent selectivity and sensitity and a big analog slide-rule dial. Heath made these as kits in the late '70s, but unfortunately no longer. I found mine at a garage sale for \$15.'He also tipped me off to the existence of a radio guide for Seattle, to which WTFDAer Mike Cherry sent a letter to the editor. Keith Pugh sent several station updates, even though the Sept. VUD was late in arriving. All the info he sent (and all that which appears here this month) made the 13th edition FM Atlas, now at the printer's.

Bill Nienajadly continues to get good DX, and sent some station news here, including the "laming" of Hartford CT 93.7 and WRQX 107.3 DC. And how singer Sinead O'Connor was assailed by WQBK talk

show host Scott Lonsberry, I believe Lonsberry is on WQBK AM, a no-no to discuss in this column. . . Mike Bugaj sent information on Hartford's new 93.7 set-up, including different call letters, WWHB 107.1 relaying WNEW-FM on eastern L.I. and WPKX 97.9 in his location of Enfield, concealing that in favor of Springfield

We DXers have known about meteor showers and meteor burst DXing, but Gus Mancuso sent an article mentioning how it's being used commercially to send streams of data between fixed points and trucks. It's also being used in remote sites in western states to send back information on snow accumulations. He refers to the simulcasting of two stations in the S.F. area on 98.9 and 99.1 and feels the mountainous terrain has caused FM listenership there to retrogress. He's trying to ID "Oldies 95" on 94.9—"maybe from Plains States area." Consider KCMO-FM Kansas City. "Things I learned at convention-1) AM notadirty word (since when? ed.); 2) DXers can be masochists. While half the group went on another tour of a facility, the rest of us laugh ed ourselves senseless watching Twilight Zone episode 'static' which contained such things as 'how come no one else can hear the station?' and 'here's a dollar, kid, go buy a switch blade'." Gus sent an Arbitron article showing WPGC-FM 95.5 tops in the market. Some stations still show ratings, but they suffer from variable reception. These include WFMD AM Frederick MD, and WMJR 92.7 Prince Frederick MD.

Andy Reid was kind enough to notify of new call letters in Ottawa because of the imminent demise of CBC AMs there. Charles Gauthier sent word on the new CHEY 94.7 in Trois-Rivieres having \$tereo. I'd also like

to know its format.

Mike Cherry's enjoying the use of a tunable FM booster in his DXing, the Magnum Sleuth. "The unit solved most of my [reception] problems, thanks to its versatility. . . By nulling out KAFE 104.3, I got a tenative reception of KVXO 103.9 Spokane, Anyway, the Sleuth was every bit worth the price. Now I'll have to install some 180-kHz filters in the Sansui and Toshiba for maximum DX capabilities." He shared information from a 1949 "Toronto Star" which he shared with me and Tom Bryant. Among its FM listings were CBL-FM 99.1, CFRB-FM 99.9, CJRT *88.3, CHML-FM 94.1, CKTB-FM 97.7, CFRA-FM 93.9, CBO-FM 103.3, WBEN-FM 106.5, WBNY 92.9, WEBR-FM 96.9. It was reaching out a bit to include Ottawa stations, and you will recognize that a few of the stations, such as CBL-FM and WBEN-FM, have changed frequencies, while CHML-FM deleted and came back later as CKDS 95.3.

Al Ellis of Brantford ON shared much information. He corrected on an earlier VUD article (May 1987) in which it is reported he gets adjacent channel reception of Bristol Center NY 95.1, with CKDS on 95.3. CKDS is due east at 40 km, Oshawa (94.9) is also east at 85 miles and Bristol Center is "200 odd miles." He worked from 1937 to 1956 for a local radio store, "In '56 fed up with customers who blamed the service department for poor

Society of Wireless Pioneers Inc. -LIFE MEMBER-

ALBERT H. (ABE) ELLIS

quality I went into the Keeprite plant at age 55 and lucky to get a job at that age. So I realized I had made a very wise move, now covered with hospitalization, free drugs and three pensions, Today I own and operate amateur station VE3. As a number of you are aware, a member of the WTFTVDX club from the days of it being in Milwaukee. Having made a few rare catches such as Bermuda and Seattle, I went to CB radio and worked all continents with the legal 12 watts and of course a yagi antenna. . ."

Hank Holbrook sent information on WSBY-FM, the correct calls for Salisbury MD 98.9. They do not announce as having stereo, and Hank's stereo light is not working, so he cannot tell. It's an oldies station, so probably much of the material broadcast wouldn't be with any stereo separation. He's gotten

much DX on his Toyota radio. "Good luck with your work on FMA-13," writes Nick Lombardi. "I hope you do something about the chopped-up maps, especially TX, pp. 64-65, which is hopelessly confusing. I think you will eventually have to go to larger master sheets." You may wish to advance order the new FM Atlas, now with a new cover design, at \$12.00 including shipping. It remains at 192 pages. There will be no FMedia! newsletter this month, and this column may not appear next month, or if it does, it will be shorter than usual. Now to material that partially filled September's FMedia! Look for the feature, "See Also," in which material from last month's DX-filled issue that might be newsworthy in this column is given.

This column has a deadline coordinated with FM Atlas-13

New FM Station Grants AL Florence 96.1 3000 h,v; 100 m AK Talkeetna KTNA *88.5 1900 h.v; 22 m AZ Sierra Vista 101.7 3000 h,v; 100 m CA Burney *88.7 2300 h,v; 440 m, to be \$ CA Lake Isabella 104,5 200 h,v; 384 m CA Orland 106,5 3000 h,v; 100 m CA Shafter 104.3 3000 h,v; 97 m, Proneer Bosty. CA South Droville 104.9 3000 h,v; 100 m CA Thousand Daks KCLU *88.3 4600 h.v; 73 m.

d-a (directional antenna), CA Luth. U. FL Graceville 102.1 3000 h,v; 100 m IL Cartinvilla 95,9 3000 h,v; 100 m IL Darwille WZMF 94.9 6000 h,v; 100 m IL Decatur 93,1 3000 h,v; 100 m 1L Paoria 92,3 3000 h,v; 100 m IN Bremen 96.8 3000 h.v; 100 m IN Ellettwille 105.1 3000 h,v; 100 m IN Newburgh 106, 1 3000 h,v; 100 m IN South Bend 106,3 3000 h,v; 60 m IN Tall City 98,9 6000 h,v; 100 m LA Arcadia 92,5 3000 h,v; 100 m LA Haughton 103,7 3000 h,v; 100 m LA Vivian 85,7 3000 h,v; 87 m

MI Benton Harbor *94.9 2200 h,v; 116 m, Lake MI College MI Brooklyn 105.3 3000 h,v; 100 m/ Cascades Broadcasting MN Nissawa 93.3 100000 h,v; 320 m

MS Belzoni WJSJ 92.9 3000 h,v; 91 m MO Ash Grove 104, 1 3000 h,v; 100 m MO East Prairie 105,3 3000 h,v; 63 m NE Plattsmouth 106.5 3000 h,v; 100 m NV Hawthorne 93,5 32 watts h,v; 895 m NH Lebanon 100,5 600 h,v; 210 m NH Winchester 98,7 1230 h,v; 148 m NY Homer 101.5 1600 h,v; 134 m NY Rochester 105,9 3000 h,v; 100 m NC Hope Mills 103.5 3000 h,v; 100 m NC Old Fort 104,3 2600 hv.; 106 m NC Rose Hill 104,7 3000 h,v; 78 m OH Ada *94.9 3000 h,v; 100 m, O. No. U. OH McArthur 98.7 3000 h,v; 100 m OH Upper Sandusky *90.1 3000 v; 100 m, q OK Alva KHIQ *89.7 6000 h.v. 159 m. OK Lewton 107.3 50000 h,v; 150 m PA Boalsburg 92.9 260 h.v; 339 m PA Jackson Township (in the Poconos) WRTY

*91.1 3500 h.v;234 m. d-a, Temple U. PA Meyersdale 93.3 3000 h,v; 16 m [100 m SD Belle Fourche KBFS-FM 95.9 3000 h.v/ TN Donelson WAMB- 106.7 75 h,v (no height announced), a temporary station TN Henderson 107.7 3000 h,v; 100 m TN Manchester 101.5 3000 h,v; 100 m

TN Saymour 96.3 1200 h.v: 145 m TX Claude 95.7 6000 h,v; 100 m TX Elgin 92.5 3000 h,v; 100 m, to be Spanish, rs TX Gregory 104.5 3000 h,v; 91 m UT Mosb KZMU *89.7 100 h,v; -177 m VA Vinton (Roanoke) 196.1 3000 h,v; 47 m WA Camas (Portland OR) 94.7 3000 h,v; 68 m WA Dishman (Spokane) 106,5 3000 h,v; 100 m WA Goldendale 102.3 3000 h.v. 36 m WV Clarksburg *90.1 1500 h.v; 245 m, g WV Philippi WQA8*91,3 7200 h,v;55 m WV Point Pleasant 99.5 3000 h.v: 99 m. WV WhiteSulphurSprings 93.3 280 h.v. 327 m WI Elk Mound 92.9 3000 h,v; 100 m

WI Spooner 106.3 3000 h.y; 100 m WI Tomah WTRL 96.1 3000 h,v; 100 m BC Vancouver 94.5 34000 h,v; \$, s, South Fraser OH Cadiz 106.3 WFNN (WEIR-FM) Broadcasting, CISL, "Sea Isle," 650 Richmond BC

ON Brockville CBBA *104.9 3000 h,v; 86 m, S, to build it, Like CJBC-FM 90.3 Toronto, the funds are not there at the CBC to build it." A new station on 92,5 for Toronto was tentatively approved for Rawlco with 4700 h,v; k format, but this is expected to go back to hearing.

ON Ottawa Travelers Information Stations, all going by the call CFDT-, 96.5 (2); 99.9 (2) PQ M sotreal CISM *89,3 10000 h,v; Universite de Montreal, expected on air Jan. '91

PQ Trois Rivieres CHEY 94.7 25000 h,v,\$, "Shay FM." Received as if it were 100000 watts, although they were asked to reduce it to approximately 25,000. Music format not reported.

Call Letters Assigned

AL Winfield 105,9 WKXM"-FM" (WXZX-FM), k AZ Winslaw 95.1 KEEL AR Ashdown 103,9 KTFS-FM (KMLA-FM), b; AM is in Texarkana TX AR Mena 96.3 KOUA AR Osceola-Memphis TN 98,1 KPYR (KMPZ), o, "The Pyramid," CA Berkeley 102.9 KBLX-FM (KBLX)

CA Colusa 103,1 KKCY (KKLU) CA Marysville 99.9 KRFD"-FM" (KRFD-FM: AM gets new calls) ["Double 99 FM" CA San Francisco 98.9 KDBK (KOFY-FM), rm./ CA Santa Barbara 93,7 KDB"-FM" (KD8-FM; AM oets new calls)

CA Santa Cruz 99.1 KDBQ (KLRS), rm, "Double 99 FM" CA Walnut Creek 92.1 KKIS-FM (KKIS) CO Cortez *91.5 KS.ID

MN Tracy KARL 105.1 3000 h,v; 100 m, \$, rm, CT Hartford 93.7 WZMX (WLVH-FM), r, oldies and currents, "Mix 93.7" (strict) DC Washington 100.3 WTKZ (WDJY) FL Haines City *90.3 WLVF-FM (WHGS; AM is licensed commercial in Haines City) FL Orlando 38.9 WMMO (WEZO), rm, \$[tereo] FL Sarasota 106.3 WSRZ"-FM" (WSRZ-FM; AM nets new calls) GA Dock Junction 105.9 WXMX HI Makawao 94.3 KDLX (KVIB) IN Corydon 96.5 WGZB"-FM" (WGZB-FM: ANI gets new calls) IN Fort Wayne 101.7 WJLT (WEZV) IN Indianapolis 103,3 WFXF (WMJC), op (classic rock), "The Fox"

> IA Clear Lake 103.1 KLKK (KZEV), rm IA Mason City 106.1 KLSS"-FM" (KLSS-FM) KY Berea 106,7 WKXO-FM KY Eminence 105.7 WXLN (WKXF-FM) LA Jonesville 101.1 KMES (not KNES, which is in Fairfield TX 92 1)

MD Cambridge 94,3 WFBR MA Pittsfield 95.9 WUPE (WUPE-FM) MN Springfield 105.7 K1 PR MN Thief River Falls *91.5 KOMN NE Auburn 105.5 KCOE (KAUB-FM), to return

IN South Whitley 101.1 WQBX

to air (m) im \$[tereo] on air NE Omaha 105.9 KKVU (KUKF), 5200 h,v(100/ NV Reno 92.9 KZSR (KWNJ) [new calls] 106.9 KRNO"-FM" (KRNO-FM; AM gets/ NH Rochester 96.7 WWEM (WKOS), rm, "Easy Mix 96.7," striving to reach more females 30+

NM Thorena 99,51 KXTC (KMCC), 100000 h,v; 369 m NY Amsterdam 97.7 WKOL"-FM" (WKOL-FM;

AM gets new calls) NY Riverhead 183,9 WRCN (WRCF:-FM) NY Warrensburg 100.5 WKBE NY Wethersfield 107.7 WEZQ (WBMW), b, "EZ 107.7," WGMC *90.1 Greece NY now promoting itself as "Rochester's only jazz

station-no more BMW!" OH Nelsonville 107.7 WSEO (WAIS-FM), r (CHR)

OH Sylvania 105,5 WWWM-FM (WWWM; AM/ c, did not delete, "but it could take five years OH Toledo "88.3 WXUT (sharing time with WXTS) (in Tulsa), "Cool 106"

DK Dwasso 106.1 KQLL-FM (KVLT; AM is/ OK Spencer *105.7 KROU OR Creswell 95.3 KAVE (KERT) OR Phoenix 105,1 KROG (KHUG) PA Philadelphia 98.1 WOGL-FM (WOGL)

PA Phillipsburg 105.9 WPHB-FM (not WPHB, as shown on FM Atlas-12, p. 121) PA Riverside 92,3 WLGL PA Summerdale *91.7 WJAZ (WUCP)

SC Caves *88.7 WYFV SC Conway 93,9 WJXY-FM SC Pamplico 102,1 WMXT (WPHO) SD Yankton 104.1 KBCM (KQHU), k

TN McMinnville 103.9 WTEZ (WBMC-FM), rp TN Waynesboro 94.9 WTNR-FM TX Gilmer 95.3 KLSQ (KAEZ) TX Harker Heights 105.5 KLFX (KIXS), op. "105,5 The Fox"

TX Hutto 92.1 KRGT (KQJQ) TX Luling 94.7 KATG KAPT), still "The Cat." k TX Midland *90.1 KWHU TX Portland 105.5 KCGR (KISO), of Idies?

VT Canaan 94.1 WKNW-FM (WKNW); AM is in Sault Str. Marie MI [W201AL] VA BigStoneGap *88,1 W201AJ(from/ VA Culpeper *89.9 WPVB (WPAV)

VA Dublin *91.5 WBKW (WPHH) VA Emporia 99.5 WEVA-FM (WXJA) VA Norfolk 105.3 WMXN (WZCL), r, "hot AC," with "Mix 105" nonID (from "Z-105")

VA Waynesboro *90.1 WPVA (WCOR) WA Bremerton 106.9 KKNW (KNUA), still mj. \$ WA Wapato *89.5 KSOH WV Oak Hill 94,1 WAXS (not WXAS), p. [DK]

WY Burns 101.9 KMUS-FM (AM is in Muskogee,

["Power 106")

ON Manitouwadge *89.7 CBEB, on air ON Ottawa *90.7 CBOF (replacing AM) *91,5 CBO (replacing AM) *102.5 CBOX (CBOF:FM) *103.3 CBOQ (CBO-EM)

ON Thunder Bay *88:3 CBQ (CBQT), at least that's the way they IR', now that CBQ (AM) has bitten the dust (see "AM Happenings")

Facilities Changes (Selected)

AL Huntsville WJAB *90,9 100000 h,v (102 m) AR Harrison KCWD 96_1 (from 96.7) 8000 h,v; 365 m C2 is Storen Th.y: 150 m. C2 AR Searcy KWCK-FM 99.9 (from-99.3) 50000/ AR Trumann KWEZ 106,7 6090 h.v.(100 m) CA Eureka KECU 10535 28000 h.v.: 484 m. C1 EL Lake City (from Branford) WOLR *91.3 18000 h v: 87 m. d-a FL Punta Gorda WQLM-FM 170 m (50000 h,v) FL Stuart WCNO *89,9 (not 90.9) FL:Tallahassee WFSU *91.5 100000 h.y; 202 m IL Savanna WCCI 100.3 (from 100.1) 9600 h,v; : [13000 h,v; 140 m IL Shelbyville WEJT 105_1 (from 164.9)/ IN Salem WSLM-FN 98.9-150 m (50000 h,v); to program to Louisville, and adding that KY city to its ID [18880 h,v; 111 m IA Creston KITR 101.3 (from 101.7)/ IA Forthladison K8K8 101.7 50000 h.v;142 m./ IA New Hampton KGZE 95:1 5500 h,v (100 m) IA Spirit Lake KUO 0 103-9 50000 h,v; \$50 m KS Bel oi t KVSV-FM 105,543800 h,v; 158 m, C2 KS Coffeyville KOOF 98:8 6000 h,v; 93 m KS Kingman KAPH 190.3 (from 99.3) 47990. h,v; 152 m, on air on 100.3 KS Manhattan KM KF 101:5 (from 101.7) 39000 hav: 176 m. C2

LA Tioga KLAA 103.5 150 m (50000 h.v) ME Caribou WCXU 97,7 6000 h.v (100 m) ME-Lincoln WHMX 105.7 (from 99.3) 50000 h v 126 m 62 MA Acton WHAB *88.7 (from 89.1) 10 watts MI Traverse City WGCW-FM-107.5 (fram 92.1) 660 h.v: 214 m. o(I dies). format, moving seon

MN Albert Lea KQPR 95:1-8000 h,v (100 m) MO Aurora KELE 100.5. (from 100.1) MO Ava KKOZ-EM 92.3 (from 105.9) MQ Carthage KR6 K 97.9 (4tem 104.9) 50080 ... bru: 144 ma

HQ Monett KKBL 95.9 8000 h,v (82 m); im MO Perryville KRAA 93:1 1600 h.y.; 190 m MO St. Joseph KKJO 105,1-305 m (100000 hyv) N.O Webb City KKLL-FM 95:1 3400 h;v (135 m) NC Muphy WCNG 102:7 (from 104.3) 72 m : (1700 h,v) h,v, monophonie) NC Newport WZYC 103.2.299 m (100000) NC Raleigh WRAL-1015 555 m (97000'h;v)

OK Broken Arrow KCMA 92.1 27100 h,V; 200 OR Altemost KPMA 1813 60000 h.v; 269/ TN: Cookeville WHUD-FM 98:5 (from 98:3)

90000 h,v; 150 m, C2 TN Livingston WXKG 85.9-2800 h.y; 144 m TN Rogersville WJDT: 196:5-300 h.v.; 420 m TX Amerillo KATP 101.9 285 m (109900 h,v), (97,9 50000 h,v; 150 m TX Begville KYTX/ (v, 2400 h (104 m)

TX College Station KAMU-FM *90.9:32000/ VA Staunton WSGM 9301-(Raving moved from-Im, adds vertical VA Warsaw WNNT-FM-100,9-3000 h,v;99/ VA West Point WPTG 107.96600 h,v; 100 m, d-a WV Elkins WELK 94.7 (from: 95.3) 5200 h,v; 222 m W1 Eagle River WRJ0:94:5 (from 94.3) 50000 h,y; 150 m WI Green Bay WGBW *91.5 16000 h.v.: 100/ WI-Sauk City WM LF 96.3 510C H:v-3205'm

WI Sturgeon Bay WQZZ 99.7 50000 h.v: 150 m VI Cruz Bay WDCM 92.3 50000 h.v: 50 m MB Winnipeg CBW-FM *98,3 223 m (160000) ON Mississauga CFMX - 196,3 has DOC permission KUAA Defunct?

to go up to 100000 h,v, d-a, but still viciting for CRTC approval. "Hope all is going well with FMA-13." "Would like to see your new electronics catalog if there's no postage charge."

Stereo, or to be \$tereo

CA Johannesburo KRAJ 103.9 CA Ventura KAGR 107,1, mm CO Castle Rock KYBG-FM 92.1 b, back to stereo, having dropped all-news

CT Enfield WPKX 97.9, k, "Kicks 97.9" used with call letters, ID with Springfield MA. "Deesn't want anything to do with CTmentions only Springfield and gives out a Springfieldphone number, "burying" Enfield-Springfield" in its legal ID around 10 minutes to the hour.

FL Rockledge WHKR 102.7, "Hit Kicker," k ID Sun Valley KECH 95.3, is commercial (remove*), "They are 62 watts at 661 meters (h,v), not 3000 watts at -372 meters."

IL De Kalb WDK8 94.9, r. "WOLX (near Madison) will kill them with their super nower signal."

IN New Haven WJFX 107.9 IA Des Moines KDMI 97.3-uses stereo at least 11 n.m. to midnight Sundays MD Frostburg WLIC *97.1 MO Union KLPW-I M 101.7

NE Blair KBWH 106.3 rm, to return to the air and expected on with \$ NE Winnebago KSUX 105.7, "K-Sioux," not strict, ID with Sigux City IA, k

NM Cerlsbad KCDY 184.1 NM Maljamar KWMW 105.1, k NM Roswell KURQ 106.5, k; one source listed its call as "KEND"

NY Jeffersonville WJFF *90.5, "very nicesounding." CP for 3700 h,v; 191 m. NY Wurtsboro WZAD 97.3, "Wizard" (not strict). "More mellow rock than anything else, but definitely not lame!" ID with Middletown.

NC Nags Head WNHW 92.3, k, "Carolina 92" OH Grove City WWCD 101.1, p OR Coos Bay KCOO *89.3, not yet on PA Masontówn WRIJ *106.9, not yet cn

PA Reynoldsville WDSN 99.5, "Sunny 99," ID with Du Bois | Lon Aug. 13, CBS, no SCS VA Accomac-Parksley WVES 99.3, b, came/ VA Ruckersville WXZY 92.1

NB Grand Falls CFAI- 105.1, to be linked with CFAI 92.7 Edmundston and a stati on on an unanuounced frequency in St. Quentin-Kedgwick ("Restigouche Quest"), all to be on 18 hours/day; Edmundston and Grand Falls expected on by Nov. 15-public stations with commercials. Monophonic

PA Ridgebury WMKB 96.9, oh TX Post KNKC 107.3, k WI Ladysmith WLDY-FM 92.7: "We have not formulated plans to add stereo."

Format Changes (Selected)

Formets are the same as in the "FM Atlas" AL Demopolis WZNJ 106,3 r, still "Z-106" AL Enterprise WDJR 96,9 rp, stereo AL Eutaw WIDO 104.3 s, "Jams 104" AL Russellville WSHK 97.7 k, "Shoals 97" (strict), to 3500 h,v; 131 m AR Fairfield Bay KFFB 106.1 m, "nostalgia, golden oldies, big band sounds," to have 15600 h,v; 268 m, and beam into Little Rock

within 60 days CA Carmel KXDC-FM 101.7 rj, "new age" CA Ontario KNTF 93.5 kr. country rock CO Monte Vista KSLV-FM 95.3 r, \$ FL Venice WCTQ 92.1 k (was b)

NY Hampton Bays WWHB 107.1 rp, rebroad-

WNFW-FM 102,7 New York, but with its own spots. Now WNEW-FM is heard throughout the NY City ADI-the only NYC area FM station said to have this capability. Both WWHB and WJC X 96.3 Jackson MS had been ailing financially.

October, 1990

NY Oswega WZOS 96.7 to be rm -\$? NY Ticonderoga WANC *103.9 c, having been bought by WAMC *90.3 Albany, WAMC recently had a successful fundraising. NY Waverly WAVR 102,3 rm

NY Whitehall WNYV 94.1 k NC Eden WWMY 94.5 mr, "Lite 94.5" NC Elizabeth City WMYK 93.7 rs, "black AC" NC Williamston WHTE 103.7 r, CHR OH Ashtabula V/REO 97.1 mr, soft AC OH Cleveland WMJI 105.7 o

OK Altus KRKZ 93.5 m., no "K Rocks" nonlu OK Weatherford K8XR 97.3 rm OK Woodward KMZE 92,1 rm, \$ UR Portland KBOO *90.7 si

PA Port Allegany WHKS 94.9 rm TN Athens WISU 101.7 k, SMN Country TN Etowah WDRZ 103.1 gr, no soul music; "Gospel rock" plus "classic radio" programs in the evenings

TN Knoxviffe WEZK 97.5 mr, "The New 97.5 FM. " "Another b bites the dust." TN Memphis KHUL 101.1 rs, "black AC" TX Bay City KMKS 102.5 rm

TX Cameron KCRM 103.9 (moving to, from 103.1) g. "KC-103," simulcast with KOKE 101.7 Giddings, which has yet to upgrade TX Galveston KGWV 104.9 p, but still using

KRTX calls TX Rosenberg 104.9 still heard as KFRD-FM, not as KFRC-FM TX Sherman KWSM 104.1 op, classic rock

TX South Fadre Island KZSP 95.3 r, "Z-95" TX Stephenville KCUB 98.3 rm, "Sunny 98.3" TX Sulphur Springs KDXE 95.9 k UT St. George KZEZ 93.5 mr, Drake Soft AC UT Trementon KBXQ 105.1 o, SMN Pure

WA GigHarbor KGHP *89.3 r, plus "alternative." Mike Cherry: Does it have stereo? WI Columbus WYKY 100.5 rm, "Key 100.5," ID with Sun Prairie. Not known if stereo or not.

On Air (Selected)

CA Davis KLCQ 105.5, on 6 a.m. to 10 p.m. CA Woodlake KUFW *90.5, back on after having [having moved from 97.9 a fire CT New Britain WFCS *107.7./ FL MelbourneWAOA 107, 1 now 100000 h, v;/ GA Wrens WRDW-FM 96.7, but just barely, It's been on air despite bankruptcy.

MS Ellisville WJKX 102.5, having moved from 102.3

Off Air or Not Yet On

AL Abbeville WIZ8 94.3, was monophonic oldies; AM also silent AL Huntsville WJAB *90.9 CA Arcata KXGO 93.1 CA Coatinga KNGS 100.1 CA Freeno KEND *90.3 CA McFarland KSUV 102.9 (still on low power, mono and using KXEM-FM calls) CO Rifle KZKS 105.3; AM remains on ID Rupert KNAQ 92.5, still on 92.1

MD Fredericksburg WD LE 107.1 MN Ortonville KBAA 106.3 MO De Soto KDJR 100.1 MT West Yellowstore KRGS 96.5

NE Albion KLBN 92.7 SD Custer KUAA 105.1. "The owner of the local AM there told me the people who had the FM CP let it expire." I tend to discount that as wishful thinking from a competitor, as the new FM was only assigned call letters in December and they have a year and a half to

build (Longer with extensions). SD Rapid City KTOQ-FM 104.3

TN East Ridge WJRX 107.9 TX Odem-Corpus Christi KKHQ 98.3, "silent and studios vacated. Rumor has it they were shut down by the IRS. They previously moved studies to Corpus Christi without FCC permission, and probably received a heavy

TX South Pittsburg WKXJ 97,3

VA Exmore WPHG 106.1 WI Watertown WBII *91.5. This enables 1/2-watt WLHA *91.5 Madison to reach out this summer, "Usually it's off mid-May to Septem-

WY Powell KMBU

Deletions (Selected)

ME Ber Harbor WTBU 107.7 NE Bridgeport KFLL 101.3 NC Greenville *88,3

See Also September VUD For

AR Yellville KCTT-FM 97.7-does it broadcast in stereo? Allen, p. 40

FL Tarpon Springs WFCE *88.9 is stereo, but Falconer (p. 49) must have heard it during a mono program when it correctly turned off i ts stereo generator

6A Albany V.JIZ 96.3 Z-96.3, Hayes, p. 63 IL Mattoon WLBH-FM 96.9 Stereo 97, Allen, p. [Buntin, p. 48 KS Kingman KAPH on 100.3, not 99.3,/

KS Winfield KWKS 94.3 Class FM, Coniglio, p. [have \$tereo? Strobel, p. 52 KY Edmonton WKNK 99.1 is k, but does it/ KY Prestonsburg WQHY 95.5 Q-95, Sittel, p. 42 KY Somerset WLLK 102.3 Lake 102, Sittel, p.

43 [KTKC 92.7 k, Fela, p. 50 LA Springhill / [in \$7 Mancuso, p. 41; Fela, p. / AR Jonesboro KJBR 101.9 Power 102, still r MD Salisbury WDIH *90.3-does it broadcast/ CO Grand Broading KIVE 22.2 Em 22.2 L 'AS Greenwood WYMX 99.1 Max 99, Hayes, p.

[Shaftan, p. 56 63 MO Kansas City KMBR 99,7 99,7 FM./ MT Miles City KMCM 92,5 KM-92, Pugh, p. 41 NE Terrytown KCMI 96.9 isn't format more g than b? Strobel .p. 51. [bel.p. 52

NM Maljamar KWMW 105.1 is Stereo, k. Stro-/ wM Roswell 106.5 I list calls as KURQ, not "KEND," but note it has k, Stereo, Strobel, p. 53

NC Greensboro WOMG 97.1 Power 97 resurrected? I heard it had been discontinued, but Stittel p.43 heard it in use.

NC Laurinburg WMXF-FM 96.5 Mix 96, Sittel, p. 42 [I show as KQ-94, Pugh, p. 42 ND Bismarck KODY 94.5 is it really "KO-95"?/ OH Marysville WNRJ 105.7 note that it has

stereo, Strobel, p. 54 TX Laredo KRRG 98.1 Energy 98 (from "FM-98"), Strobel, p. 51 TX Post KNKC 107.3 is monophonic, Strobel J VA Windsor WXRI 107.7 ID with Suffolk, talk,

mono assumed, Fela, p. 50 ON Toronto CJLX 91.9 must have been a temporary stati on for a specific event,

Station News, p.49, Rosenberg (not "Rosenburg'), pp. 57-58 FEEDBACK: I agree with Fader, p. 70, except

that "any more" is written as two words, not "anymore." I see the trend to combine words like "backyard" in the local newspaper, while MI Standish WSTD 96.9 96-9 I agree a word li ke "parttime" can be written as one. "No one" is two words, not "noone" (noon?).

SCServices, 67, 92 kHz and TV-SAP This feature is in the FMedia!

BC Vancouver 797,5-800 mz Aug. 17, 18 and 20, DAB tests produced on channels 68 and 69 di agonal li nes, "and usi ng the NB FM mode

on my receiver was able to detect the carrier. The audio could best be described as a 'tick, tick tick tick' sound simials to telemetry data or RTTY in the FM mode, The D.O.C. confirmed the tests and was interested in my reception from Salt Spring Island (about 100 km from Vancouver). I climbed the tower to manually point my UHF four-bay at Vancouver, as I don't have that antenna on the rotater," says D Xer Mike Cherry.

AT&E's introduction of wristwatch paging, via FM-SCS is viewed with skenticism in both the investment and DXI no communities. "Risks offset the opportunities and we rank the stock a 'hold' at current levels, " says a broker who has studied the firm. DXing the emanations, which can take place over several local FM outlets, can be tricky to know which exact station you are getting the paging message on. There is a real threat to FM DXing in SCS paging. Where conditions are unreliable in a local market "paging coverage will be improved through the same methods stations use to provide audio coverage-with boosters and translators, "Three Class C stations are being used in Portland OR; I can see unlimited local area translators springing up, extensibly to improve main-channel performance in problem neighborhoods, but in reality serving paging interests with better penetration of a market. This would clog frequencies formerly open to DXing.

NonIDs, Not Just Slogans Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near the top of the hour-selected only)

AL Birmingham WKXX 106.9 Kix-106 (back to, from "K-106")

CO Grand Junction KJYE 92.3 FM 92.3 K-Joy DC Washington WRQX 107.3 Mix-107.3 (from "Q-107," still r. but "dropping their successful top 40 format, . . The listening public really likes boring, bland radiol ... I still can't believe WROX dropped top 40 for lame

FL Mel bourne WGGD 102.3 Gold 102 (a) FL Pensacola WUWF *88.1 88.1 FM Sound

FL Titusville WGNE-FM 98.1 98-Frog, k GA Athens WALR 104,7 Light 104,7 (from "Light Rock 104.7"), still mr

GA Manchester WVFJ 93,3 The Joy FM GA Doilla WSPX 97.7 back to K-98, portending possi bl e return to WKAA calls CASt, Marys WAIA 93.3 A1A

ID Jerome KFMA 102.9 still "Z-103," and listed in phone book as "KFMAZ.""I wonder what blithering idiot came up with that idea?" IL Springfield WVEM 101.9 Easy 101.9

IL Urbana WKIO 92.5 Oldies 92 (not strict) MD Hagerstown WARX 106.9 Magic 106.9 MD Lexington Park WMDM 97.7 Power 97.7 (from "Stereo 98")

MI Detroit WDET *101.9 no nonID-sometimes "W-Detroit," but always with call letters MI Escanaba WGLQ 97.1 no nonID, rubbing out "Magic 97" 1(from "UP-103") MI Marquette WRUP 103.3 Pure Gold 103/

MI Petoskey WJM L-FM 98,9 Light Rock 99 JM L MI Vassar WOWE 98.9 New 98-9 FM (not [Rockin' 101

"Wawie"), is\$ MN Sauk Rapids-St, Cloud WHMH 101.7/ MO Kansas City KMBR 99.7 99.7-FM MO Lebanon KIRK 103,7 no nonID, no "K-Jel" MO Lexington KCFM 107.3 no "FM-107.3" MO Maryville KXCV *90,5 90 Plus MT Great Falls KLFM 92.9 Light FM (also

"Light 93"), still k NE Lincoln KFRX 102.7 no nonID

NE Omaha KESY-FM 104.5 no nonID, saying "soft 104, KESY" NJ Atlantic City WFBG-FM 96.9 FM-97/ I CRaleigh WYLT96, 1 Lite 96, 1 (from "W-Lite") C K Anaderko KRPT-FM 103.7 K-103.7 (from "K-184") PA BloomsburgWHLM 106,5 Mix 106 (loses/ PA Sweet Valley WRGN *88.1 Good News 88,

TX Dallas KERA-FM *90, 1 One of a Kind. with different forms of music intermixed, "Seems to have worked as this format has increased their pledges," claims Jim Cumbie WRR 101.1 Classical 101 (not strict). "Classical

WRR still manages to hang in there in the top

KRSR 105.3 Star 105 (from "Star 105.3") TX Fredericksburg-Sen Antonio KFAN 101.1 The Fan (from "K-Fan 101")

"X Freenart KGLF 103.3 Houston's Joy of Jesus (strict), with KJDJ 106.9 Conroe, except at legal ID time on the hour when the two are separate

TX Galveston KQQK 106.5 no "Hot 106.5," still contemporary Spanish/English

TX Houston KIKK 95.7 no nonID, always giving call letters KHMX 96.5 Mix 96.5

KODA 99.1 always uses call letters instead of "Coda 99" TX Seabrook KRTS 92.1 Classical 92

TX Wichita Falls KTLT 106.3 no nonID, no ((from "Y-96") "Light 106" VA Norfolk WLTY 95.7 Oldies 95.7/

WA Opportunity-Spokane KKPL 96. 1 Light 96 (strict), from "K-96 FM," still r WV Martinsburg WKMZ 97.5 Power 97.5

WI West Salem-La Crosse WOJY 100.1 Joy 100 FM (not strict) NS Halifax 96.5 (calls not known) to be on air

this month, 96.5 Sun FM ON Windsor CIMX 88.7 Mix FM Mis-ID

MF Gardiner WABK-FM 104.3 on the top of the hour as "ABK-FM, the fresh new K-FM. . . "

minus the "W"

Mutti-City IDs in Use

IA Waterloo-Cedar Falls KFMW 107.9 with Dubuque-lowa City [Grand Rapi:\s MI Zeeland-Holland WJQK 99,3 with/ MN Aitkin KEZZ 94.3 with rotating cities; no nonID [variable third city

MN Bemidji-Park Rapdis KBHP 101, 1 with/ MN Fosston KKDQ 107.1 with Bagley, but no Longer with Mahnomen-Mentor MN Princeton WQFM-FM 106.3 with Milaca NE Alliance KTNE-FM *91.1 with Scottsbluff

NE Hastings KHNE-FM *89.1 with Grand Island NE Lexington KLNE-FM *88,7 with Kearney PA Du Bois WDBA 107.3 with Altoona AM Happenings Most Likely Caused

by FM (Selected) AL Madison-Huntsville WDKT 730 silent

AL Prattville-Montgomery WRNB 1410 silent CA Salinas KDON 1460 still silent, "I wonder what attempted format will be next. They've not been able to find a winning AM format for decades "

CA San Mateo KOFY 1050 was simulcasting KOFY-TV, 20 "all day. I discovered it when I heard a Popeye cartoon-quite meaningless without the video, which is why the blind should have TV narration... Two years ago KOFY was a 1000-watt Spanish daytimer. The new owner raised it to 50000 days, 1000 nights and also owned TV-20, and their '50s oldies format seemed successful. AM and FM watching is fun. What will happen next?" Next is expected that it will return to oldies-SMN Kool. CT Naugatuck WFNW 1380 had been silent;

returns with Spanish and Portuguese

73ily, Bruce E.

GREG CONIGLIO 5100 GLENWOOD DRIVE WILLIAMSVILLE, NEW YORK 14221

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

OCTOBER 1990

DEADLINE: The 1st

Loa Cutoff for November column: August 1, 1990

Not too much skip to speak of, though July 8 was a good opening for many. The big story has been the very good trop season in the east. August 21, and 28 were good openings, and the first week of September brought conditions out to at least 650 miles in areas in the Northeast. If you got in on these great openings, let us know!....

DOUG SMITH - 3105 OAKRIDGE AVE. - MADISON, WISCONSIN 53704-5848

Equipment: Technics ST-G50 with unknow JULY 1990 DX	vn large \	Winegard VHF-TV antenna at 25 feet. JULY 4 Tr cont.	
2 Tr		WCCN 107.5 WI Neillsville	118
2014 KDMG 103.3 IA Pella	215	WLSU 88.9 WI LaCrosse	110
KCCK 88.5 IA Cedar Rapids	137	KXLP 93.1 MN New Ulm	250
WONC 89.1 IL Naperville	110	7 Tr	200
WJTY 88.1 WI Lancaster	73	0730 WKOC 89.7 IL Kankakee	158
KMCD 95.9 IA Fairfield	190	WWKI 100.5 IN Kokomo	225
KCLN 97.7 IA Clinton	100	WIXN 101.7 IL Dixon	90
WYMG 100.5 IL Jacksonville	225	WSPY 107.1 IL Plano	105
WTCM 103.5 MI Traverse City	231	8 Es	100
WGEM 105.1 IL Quincy	237	1414 WHLY 106.7 FL Leesburg	1040
WBCR 90.3 WI Beloit	42	WRUF 103.7 FL Gainesville	970
KGRC 92.9 MQ Hannibal	237	WORZ 101.9 FL Daytona Beach	1040
WRHL 102.3 IL Rochelle	85	(Doug, calls are WJHM-gc)	10.0
WJEQ 102.7 IL Macomb	207	WKGR 98.7 FL Fort Pierce	1174
WABT 103.9 IL Dundee	90	WFLZ 93.3 FL Tampa	1090
2330 WRVM 102.7 WI Suring	138	WJYO 107.7 FL Mount Dora	1040
3 Tr		WEZL 103.5 SC Charleston	853
0611 WWKI 100.5 IN Kokomo	225	JULY 8 Es cont.	.000
WDCB 90.9 IL Glen Ellyn	110	WBVM 90.5 FL Tampa	1090
WLST 95.1 WI Marinette	160	WJIS 88.1 FL Bradenton	1115
WPHN 90.5 MI Gaylord	270	WTMI 93.1 FL Miami	1250
4 Tr		WPCV 97.5 FL Winter Haven	1090
2012 KQRS 92.5 MN Golden Valley	221	1449 WWKA 92.3 FL Orlando	1065
2020 KTCZ 97.1 MN Minneapolis	221	1450 WVTI 107.1 FL Melbourne	1090
2030 KTIS 98.5 MN Minneapolis	221	WOMX 105.1 FL Orlando	1065
WLOL 99.5 MN Minneapolis	221	WRJA 88.1 SC Sumter	779
WCTS 100.3 MN Minneapolis	221	17 GW	,,,,
2040 KYSM 103.5 MN Mankato	251	2000 WYKY 100.5 WI Columbus	~35
2040 INTOIN 100.0 WITH Manhato		2000 WINT 100.5 WI Columbus	- 00

Relogs less than 200 miles not shown. (100 miles for Class As). Another new 80-90 in this area will make 100.5, possibly my most productive tropo channel, more difficult. WYKY is running Satellite Music Network adcon, althought another local said he heard a local announcer. I think this station is owned by WBEV/WXRO and probably shares the same address.....WTI (have they had a call change? forgot to ask!) gave a phone # for Billy Joel tickets (800-940-1071); called it and DJ gave station address of 1775 W. Hibiscus, Melbourne, FL 32901, and asked for a reception report. (however, QSL not received as of 7/311)....The morning of July 7 I had an intense local enhancement. There were stations on all but 11 channels and DX was heard adjacent to super-strong locals WERN, WTFX, WIBA-FM, and WZEE.

channels and DX was heard adjacent to super-strong locals WERN, WIFA, WIBAFN, and WZEL-AROUND THE DIAL: WYKY 100.5 Columbus, WI is on the air, with a/c format (see Doug Smith's report above...WCTO 94.3 in Smithtown (Long Island), NY reportedly is dropping EZ for a soft advon format....The Buffalo Bills NFL games have been moved to WGR AM/FM this season, so listen for Bills games on 96.9 FM....WYMX 99.1 Greenwood, Miss. has been reported with the slogan "Max 99"...This major news just in: WRQX 107.3 in Washington, DC, longtime top 40 legend "Q-107" has gone to "Mix 107.3". The format is not all that different from before, but more oldies have been added; hard rock & rap have been eliminated. 107.3 Greenville, Michigan is now WODJ, "Oldies 107.3"...and a new one is on in Quebec. CHEY 94.7 Trois-Riveres has singed on the air; Telemedia network..Thanks Bill Nienajadly, Matt Sittel, Charles Gauthier.

NORTHERN FM DX

OCTOBER 1990

BOB ZENT - 1835 FRUIT	ST - HUNTINGTON, INDIANA 46750	
	os 673 tuner Channel Master Probe 9 at 44' ACL	

	iiha 012 i	turier, Criamier Master Probe 9 at 44 AGL.	
JUNE 27 Es 0908 KITY 92.9 TX San Antonio 0911 KNIN 92.9 TX Wichita Falls 0914 KVRP 95.5 TX Haskell-Abilene 0917 KSCS 96.3 TX Fort Worth-Dallas 0920 WRR 101.1 TX Dallas	1075 880 960 835 825	JUNE 27 Es cont. 1042 KWYK 94.9 NM Aztec-Farmington 1250 1123 KTXT 88.1 TX Lubbook 1000 JULY 4 TROPO	200
1000 KSEC 93.3 CO Lamar	930	0305 WGMR 101.1 PA Tyrone-S.College	360
1002 KKBQ 92.9 TX Pasadene-Houston 1031 KVOD 99.5 CO Denver	1050 1020	0330 <u>WYFG</u> 91.1 SC Gaffney 28 Tr	450
1035 KEGL 97.1 TX FtWorth-Dallas	835	1500 WJDJ 93.9 KY Burnside-Somorset	275
1000 Have on the two the Dallas	033	1550 WNRJ 105.7 OH Marysville-Columbus	130

This year has been, so far, one of the better ones, in recent memory, for DX conditions. I am trying to log as many new stations as possible on the few channels that are relatively open in this area, as there are CPs on just about all of them now for stations that will be strong enough to make them useless for most DX. Many thanks to Bill Nienajadly, Mike Bugaj, Bruce Elving, and others for recent VUD articles on filter modifications for FM tuners. 73 and best of DX, Bob

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNETICUT 06082

Equipment: modified Carver TX-11 and Sony 5130 ftuners, with Probe 9 at 30 ft agl.

JULY 1990 DX	
1 Es	
1045 KOLX 94.5 AR Barling, Oldles 94	
1051 KNIN 92.9 TX Wichita Falls, r, Rockin 92	
1058 KTLS 93.3 OK Ada, gospel	
1113 KVOO 98.5 OK Tulsa, Country 98	
4 Tr	
0015 WFRB 105.3 MD Frostburg, k	
0830 WFMZ 100.7 PA Allentown,	
0834 WGMR 101.1 PA Tyrone, k	
0845 WFBG 98.1 PA Altoona, b	
6.GW	
2040 WQQQ 96.7 CT ex WJAZ, now oldies!	
8 Tr	
0856 WAAI 100.9 MD Hurlock, k	
8 ES	
1615 KMYZ 104.5 OK Pryor, Z 104.5	
1619 KZBS 98.9 OK Oklahoma City, Z-99	
1623 KXLS 99.7 OK Alva	
1630 KKOW 96.9 KS Pittsburgh	
1650 KYKX 105.7 TX Longview	
1650 WLTS 105.3 LA Slidell	
1650 KKYR 102.5 ??? k	
1653 WHOD 104.9 AL Jackson	
1654 unID 107.5 the all new C-107 KCIL	
(Mike, I think this is Houma, Lagc)	
1654 KSAJ 98.5 KS Abilene	
8Tr	
2022 WLTJ 92.9 PA Pittsburgh	
WSHH 99.7 PA Pittsburgh	
9 T-	

1935 WOEZ 100.9 PA Milton 2113 WGCB 96.1 PA Red Lion, g

co nancio, with riode o at oo it agi.	
JULY 1990 DX	
10 Tr	
0650 WQXA 105.7 PA York, Hot 105.7	
14 Tr	
0908 WRWD 107.3 NY Highland, ID	
15 MS	
2155 KKWK 97.1 OK Muskogee, CLs heard and no	Fs
19 Tr	
0738 WQSR 105.7 MD Catonsville, oldies	
21 Es	
1815 WRJM 93.5 AL Geneva	
1818 WVFJ 93.3 GA Manchester, g	
1820 WZGC 92.9 GA Atlanta, r	
1825 WRFG 89.3 GA Atlanta, soul	
21 GW./Tr	
WPKX 97.9 CT Enfield, Kicks 97.9	
2300 WNYV 94.1 NY Whitehall	
22 Tr	6
1030 WGMR 101.1 PA Tyrone, k	
1034 WHGL 100.3 PA Troy-Canton, k (FM 100.1)	
1115 WQXT 101.7 NY Owego	
1229 WRKZ 106.7 PA Hershey, k	
27 Tr	
0700 WQSR 105.7 MD Catonsville, o	
1800 WEBE 107.9 on reduced power, heard WRRB S	yracuse
and an unID b station the the west that did not sound	like VT.
(Mike, Syracuse is now WRHP and b, so I bet that w	as it-gc)
1930 WMFT 102.5 ME Camden, Coast 102.5	
1932 WKSQ 94.5 ME Ellsworth, Kiss 94.5	
1940 WWFX 104.7 ME Belfast, r	
1951 WPBC 92.9 ME Bangor, Bright 93	
1952 WABK 104.3 ME Gardiner, the all new K-FM	
2024 WMME 92.3 ME Augusta, r	

Just a note that WPKX Enfield started regular broadcasts on 7/24 with a k format. I thought it would be a major pest, but it has not turned out that way. Their studios are in Springfield. They have a local Springfield phone nr and an 800 number for calls from CT. I called them to find out where their TX location was but the girl DJ who answered said she was new to the area and that all she knew was it was "out on top of a mountain somewhere". That eliminates Enfield. We don't even have hills here. I have two good nulls to the NE and SW. I would guess their XR is in MA somewhere, perhaps Agawam or Holyhoke. More next time.

Probe 9s. stacked, with rotor at 40 ft.

Probe 9s, stacked, with rotor	at 40 Time:
JULY 1990	
4 Super Tr (continued from last report)	
0106 WFUN 91.9 NY Brooklyn - this pirate	
noted on for the holiday with old rock	385
0342 WMJI 105.7 OH Cleveland, "Majic", o 0350 ?? 102.9 Country w/4 state weather	303
at one point - WROG Cumberland, MD???	
0510 (CIMX) 88.7 ON Windsor, "The Mix" -	
"Motor City's best variety"	
ex: CKWW/CJOM	459
0537 WDOK 102.1 OH Cleveland, call, ads,	
soft rock	385
0558 WCCK 103.7 PA Erie, Erie wx, r	
"All New K-Hits 104", o/WNNJ	313
"All New K-Hits 104", o/WNNJ 0609 WPHR 107.9 OH Cleveland, "Power 108"	385
0628 WMGG 99.7 OH Columbus, r,	
"Magic 99.7"	454
0658 WYFM 102.9 PA Sharon, "New Lt. Rock 10	2.9"
Letterhead shows only a Youngsto	חשו
address!	321
0721 WKRN 98 9 OH Youngstown, call +	200
"FM-99", light rock 0729 WZIP 88.1 OH Akron, "Zip Rock 88" +	327
0729 W7IP 88 1 OH Akron, "Zip Rock 88" +	
call, contest, r	372
0744 WTOFt 98.1 OH Canton, assumed to be t	he
one here with religion and a Akron ac	1
0803 WLER 97.7 PA Butler, nx,	
WBUT-WLER ID	287
0827 WTUE 104.7 OH Dayton, call, ad, news	519
0837 WNKO 101.7 OH Newark, baseball scores	5,
Newark wx, call, a big surprise!	427
6 Es	25.75
2024 KCMO 96 7 MO Columbia, call, r	958
2037 [KCBW]92.1 MO Sedalia, call + "B-92"	
ex:KSIS	1009
2057 KJMO 100.1 MO Jefferson City, ID, o	955
2057 KJMO 100.1 MO Jefferson City, ID, o 2102 KYQQ 106.5 KS Arkansas City, call +	1000
"New 0-106.5", r	1241
2105 KIOL 99.3 KS Iola, ads, promo which "Kicks in Iola-Chanute" slogan,	used
"Kicks in Iola-Chanute" slogan,	
Royals BB -is call KIOL or KIKS??	1137
8 Es	
1401 WFFN 92.9 AL Cordova, k,	
ID w/WARF (AM)	846
1406 KOOK+ 106 5 TX Galveston, assumed to	be
the one with "Hot 106.5" slogan, Mex	ican
music. English and Spanish annots.	
1408 KWIC 107.9 TX Beaumont, call, r,	
EX: 107.7	1325
1413 KVVP 105.5 LA Leesville, k, phone no	
537-KVVP and 462-KVVP	1240
1414 KBYO 104.9 LA Tullulah, k, call	1088
1414 KBYO 104.9 LA Tullulah, k, call 1423 KCTO 103.1 LA Columbia, call + "Oldi	es
103" - no more religion?:	1144
1429 KHUN 101.7 TX Huntsville, ads, ID,	
Casov Kasom	1368
1442 KISX 107.3 TX Whitehouse, "Kiss", 0	1293
1454 KHEZ THU. I AK JUHESDOTU. CATT T NA"	100
"From the Simmons First Bank Building,	"
(Someone must have a Z-100 tape there	942
(Someone must have a Z-100 tape there 1458 KVIL 103.7 TX Dallas, call	1352
1459 KRWA 103.1 AR Waldron w/near zero	
	1100

modulation on announcements

ELT S 5 (tit)	
JULY 8 Es (continued)	1066
1500 KVOM 101.7 AR Morriltom, ID 1507 {KLMK} 107.3 OK Poteau, "K-Country"	+
call, ex-KINB	1166
1512 KKRMt 97.9 TX Dallas, tent. o/local	
1512 KKRMt 97.9 TX Dallas, tent. o/local WSKQ w/"New Warm 97.9	!
1521 KKYSt 104.7 TX Bryan, Bryan ads 1524 KOKR 105.5 AR Newport,K-105 + call 1546 KCTT 97.7 AR Yellville, ads, wx,	
1524 KOKR 105.5 AR Newport, K-105 + call	978
1546 KCTT 97.7 AR Yellville, ads, wx,	
call, K	1033
1547 KATT 100.5 OK Oklahoma City,	1204
"The Cat", r, ads	1304
1553 KWEN 95.5 OK Tulsa, Tulsa ad, "K-95", o/local WPLJ	1205
K-95", 0/10cd1 WFLO	1265
1601 KKND 105.5 OK Stillwater, full ID 1607 KPNC 100.9 OK Ponca City, call, k	1252
1619 KMBR 99.7 MO Kansas City, K.C. wx, "Light 99.7 FM"	1074
1621 KEYN 103.7 KS Wichita, call, o	1243
1624 KCVS 104.9 KS Salina, promo, 9	1239
1622 PARE OF EAD Wat Springs "IIS-97" k	1103
1636 KSAJ 98.5 KS Abilene, call	1229
1648 WZZK 104.7 AL Birmingham, call, k	838
Tr	
2018 WOMP 100.5 OH Bellaire, "Womp-FM"	336
Es	
2144 KOGA 99.7 NE Ogallala, ad, SID,	1427
2152 K7MC 105.3 NE McCook, ads. call	1379
2204 KRGI 96.5 NE Grand Island, call,	1253
2211 KUCV 90.9 NE Lincoln, NE Public	
Radio ID	1166
Radio ID 2230 KKPR 98.9 NE Kearney, "Power 99",	
O, FM-AM ID	1293
Super Tr	
2302 [WPIG] 95.7 NY Olean, full ID	233
complete w/oink, k, ex-WEBF 2349 WWSW 94.5 PA Pittsburgh, "3WS", o	. 2.00
I don't know how this made i	t
over both WCHR and WDAC!!!!	292
2350 WFRA 99.3 PA Franklin, "The New M	ix
99.3 FM", mostly o, leg	al
ID at 0000 then off	288
9 more Super Tr	
0021 WAMO 105.9 PA Pittsburgh, "Hot 106	
is WAMO", o/local WNWK	292
nnaz wazz 93 7 PA Pittsburgh, Trojan a	d,
wx, B-94, o/WSTW 0058 WQMU 103.1 PA Indiana, WDAD promo,	292
0058 WQMU 103.1 PA Indiana, WDAD promo,	
wx w/legal ID buried in it.	240
(WLTJ, WSHH, and WDSY also noted fro	m
Pittsburgh plus tentatives on WMYG-9	16.9
Braddock and Oil City-98.5).	
18 Es	1046
1901 WJSU 88.5 MS Jackson, ID	1046 ls 920
1918 WKBB 100.9 MS West Point, call, ac	1046
1929 WMPN 91.3 MS Jackson, PRM	
1934 KJEF 92.7 LA Jennings, Swap Shop,	1252
call and address	1636
1045 VCOV OT 7 DV Daule Vallou "VCOV	
1943 KGOK 97.7 OK Pauls Valley, "KGOK	
rocks Pauls Valley"	1310
1943 KGOK 97.7 OK Pauls Valley, "KGOK rocks Pauls Valley" 1959 KNYD 90.5 OK Broken Arrow, ID, g 2000 KKEG 92.1 AR Fayetteville, ID	

NORTHERN FM DX

OCTOBER 1990

CHARLES GAUTHIER - 3260 BEAULIEU - BROSSARD, QUEBEC J4Z 2P7

27 Tr

JUNE 1990 27 Tr 0024 WCIZ 97.5 NY Watertown, CIZ FM **JULY 1990**

8 Es

1657 KEBC 94.7 OK Oklahoma City, wx 1701 KRUS 88.7 LA Lafayette 73's and Super DX, Charles

AUGUST 1990 9 GW 2300 CHEY 94.7 PQ Trois-Riveres. 75 miles testing (almost like a local-Telemedia)

1200 WGBH 89.7 MA Boston

2345 KWOA 95.1 MN Worthingon, KO95,1120 mi

ROBERT S ROSS VE3JFC - BOX 4373 STN C - LONDON, ONTARIO N5W 5J2

Equipment: Marante 2226B, FM beam for antenna AUGUST 1990 DX 0245(WGFM)105.1 MI Cheboygan, Oldies Rock mx, ID as W-Gold-FM, weather

0048 WHMQ 107.7 OH Findlay, c/w mx, tri-city forecast 0100 WNIN 88.3 IN Evansville, FM 88 WNIN, program called Riverwalk, Jazz music: 468 miles 0110 KFIN 107.9 AR Jonesboro, local ads. ID as K-Fine

and Super Country 108. American Country Countdown, adv for Seniors home in Jonesgoro call 932-2517 MY LONGEST TROPO EVER 700 miles (Nice catch Robert-gc)

0030 WJIE 88.5 KY Okolona, gospel chior mx, calls 88.5 WJIE, over WMUB Oxford,OH 385 miles

AUGUST 27 Tr cont 0055 WFPL 89.3 KY Louisville, WFPL Jazzline at 583-2787, sign off at 0059 379 miles 0104 WOUL 90.5 KY Louisville, Bill Parker with classical music program, Music Through the Night 0118 WBTU 93.3 IN Kendallville, Country 93-WBTU wx report in downtown Ft. Wayne, c/w mx 0151(WBYR)98.9 OH Van Wert. The Bear, local ads 0200 WCOZ 96.9 KY Paris, ex 96.7, ID as Cozy 96.9 Lite Rock and MOR mx. 370 miles 0205 WENS 97.1 IN Shelbyville, talkshow #239-1197 ID with Indianapolis, Fireworks display spot 0252 WINN 106.1 IN North Vernon, OM DJ, ID as Indianas big One WINN, rock mx, mix with WVNO Mansfield, Ohio.

0400 KDHX 88.1 MO St.Louis, rock music pgm, OM DJ "Youre tuned to KDHX St.Louis Public radio

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

Equipment: Magunm Dynalab FT101A, Probe 9 at 27', rotor, RG-11u, Magunm preamp. **JULY 1990 DX** 15 TrS 0240 WHZR 103.7 IN Royal Center, r\$, announcing now 6000 watts, Hoosier 103.7 2152 WHTX 96.1 PA Pittsburgh, ro\$, ID. Greatest test of my gear (high side of CFPL 95.9 pointed right at them). 19 Es 1433 KUT 90.5 TX Austin, \$, reading of meeting 1301 1451 1435 KOPY 92.1 TX Alice, k\$, ID 1441 KHRN 94.3 TX Hearne, r\$, K-94 1224 1140 1501 KYYK 98.3 TX Palestine, k\$, ID 1502 KORA 98.3 TX Bryan, ID 1222 1503 KRYL 98.3 TXGatesville, k\$, ID 1239 1506 KZOU 98.5 AR Little Rock, r\$, Zoo 98 854 1518 K237CH 95.3 LA Baton Rouge, g, ads, xltr of WQCK Clinton, LA. "Baton Rouge's light" My first translator!!! 1059

JULY 19 E-skip continues. 1522 KVWG 95.3 TX Pearsall, \$, local sports in SS 1427 1523 KFXY 96.7 LA Morgan City, ID\$, briefly o/CKGL 1105 AUGUST 1990 DX 2 Es 2048 KNTU 88.1 TX Denton, ID\$ 1130 4 TrS 1401 WMRT 88.3 OH Marietta, c\$. ID 295 1453 WXVM 89.5 OH West Union, very weak with ID 349 18 TrS 0005 WMTR 96.1 OH Archbold, ro\$, ID, ex95.9, 191 impossible before due to CFPL 95.9 1545 WCMZ 98.3 MI Sault Ste Marie, j\$< CMU Public Radio, // WCML 91.7 Alpena



Unfortunately FM-TV DX has slowed right down. Have only noted a couple of Es openings on TV up to about Ch 4. Report sent to K237CH but no answer as yet. 73

dBRUCE HALL c/o 141 KING GEORGE ROAD - BRANTFORD, ONTARIO N3R

Equipment: JVC JRS201 Receiver (mod 3 150 khz filters), Magunm Dynalab 205 signal sleuth, Stereo Probe 9 few with RG6 at 50 feet AGL, Crown rotor (Ed: Distances are km) JULY 1990 DX 25 Tr/TrS 0718 WSCP 101.7 NY Pulaski, k by Cash, local ad 345 0750 CJBC1 95.5 ON Belleville, tm, French mx, has not moved to 94.3 vet 0800 CKMF 94.3 PQ Montreal, rs, ID on hour, FF nx 598 0701 WEGW 107.5 WV Wheeling, Eagle 107, ad 27 Tr/TrS 0616 WZSH 95.1 NY South Bristol, The New Wish 95231

0632 CBON17 95.1 ON North Bay, tm, French,ID

JULY 27 Tr cont. 0720 CBOS 90.9 ON Sudbury, tm, classical guitar mx through CJRT splatter. 382 AUGUST 1990 DX 1 TrS/MS 0643 WJMK 104.3 IL Chicago, o, Magic 104, ms 626 burst heard "..MK 104.3 dial setting.." 0645 WXNL 104.3 MI Barage, ".. WX-great northern" 782 0700 CJQM 104.3 ON Sault Ste Marie, Q104 nx at 7 506 high hear 24 degrees C, local ad BRUCE HALL'S REPORT CONTINUES!!....

515

Bruce Hall's report continued.

AUGUST 8 GW		
0727{WEZQ}107.7 NY Weathersfield, EZ107.7, b	170	AUGUST 10 DX continued. 0721 WHKQ 99.1 OH Dayton, K99, ID, Listed
9.Tr 0659 WCPZ 102.7 OH Sandusky, r, local carpet ad	300	incorrectly in 1989 FM Atlas was WHKS 17 TrS
10.GW/Tr/TrS 0645 WSAE 89.3 MI Spring Arbor, g, ID 89.3 WSAE		0805 WHPA 104.9 PA Hollidaysburg, mr, nx, II nxcaster Joyce Cavanagh, 141 watts!!
and 1540 AM KTGG 0700 WFBF 89.9 NY Buffalo, Hello you're tuned to	395	19 TrS
WFBF Buffalo. Most wanted after 5 month search for it, last Buffalo catch.	115	0655 WKGW 104.3 NY Utica, r, Magic 104, add 0854 WQNY 103.7 NY Ithaca, ro, Q104, "66 de in downtown Ithaca" 73,db

g, mr, nx, ID and 41 watts!! 345 pic 104, ads 382 104, "66 degrees

Enjoyed immensly Manassas convention. Excellent hosts, agenda, and location. Especially enjoyed meeting fellow members and the willingness to share their expertise on the DX hobby. Thanks to all who made my first convention feel like I was at home with friends. Already looking forward to 1991 convention.

BILL NIENAJADLY - P.O. BOX 2999 - CLIFTON, NEW JERSEY 07015 One of the best openings of the season occurred on July 8th. The Es started in the afternoon (a very rare time of 1400). As soon as the Es got brewing on TV I had checked FM where I found the MUF at 107.9 (probably higher!) KWIC Beaumont TX 107.9 at 70 db kicked off the opening and at 1407 KYKR 93.3 Port Arthur TX...1417 had "Z-100" and ment "Golden Triangle" which turned out to be on 100.1WZIX Artesia MS...1419 on 106.5 in Spanish "Houston 106.5 Live", KQQK 106.5 Gaiveston .. 1424KBYO 104.9 LA... 1427 KJLO 104.1 Monroe LA... 1428KMYQ 100.1 Bastrop LA. 1430 WMC 99.7 Memphis TN... 1444 KUEZ 99.3 Luftkin, TX...1447 KISX 107.3 Whitehouse TX...1452 KYKX 105.7 Longview TX... Now we had 2 or 3 openings at once! Read on. 1422WTRS 102.3 Dunellon FL, then a Cool 96.9 ment Jacksonville FL (Hi John!) and WKQL oldies I think (probably-gc)... 1501 KVTT 91.7 Dallas TX. 1514KARQ 92.1 Ashdown AR... 1516KNIN 92.9 Wichita Falls TX or KS help! (It's Texasgc)... | 522 KZOU 98.5 Little Rock... | 1525 KYKM 97.7 Winfield TX... | 1543 KTLS Ada OK on 93.3, and who is KNDL on 100.9 and 100.1 both // and running oldies? Oh yes, there is still more! 1600 KBEZ 92.9 Tulsa (common this season) Hi Danny!...1601 KNYD 90.5 Broken Arrow OK...1623 KFDI 101.3 Wichita KS...1624 KPNC 100.9 Ponca City OK with many ments of Ponca City!!! 1625 KTPK 106.9 Topeka KS.. 1654 KHLT 94.1 AR... 1658 WDJC 93.7 Birmingham AL...1700 WXLT 94.1 MS (Why do I get all these #@\$@#\$ lite stations?-Hi!) WZMP 95.1 Meridian MS at 1701...1704 WBBN 95.9 Taylorsville MS (last years Es pest)...1740 KKNG 92.5 Tulsa (Oklahoma City-gc) heard a lot on Es. 1747 KSSR 93.7 AR. WOW! what a great Es session! Now trops kick in....

Also July 8th at 2323 WKLX 98.9 Rochester NY-235 miles 30 db (Hi Jim!) + WVOR 100.5 at 40 db. I Greg, your local WMJQ was blasting away at 40 db. As midnight arrived into July 9th at 0020 I IDed <u>WPIG</u> 95.7 Olean NY-230 ml...One of the best, at 0100 <u>WAAL</u> 99.1 Binghamton way over strong semi <u>WAWZI...0103 WYXL 97.3 Ithaca NY-not common...0103</u> WBEE 92.5 Rochester NY-235 miles...with WQXR off as usual on Monday Morning, CFMK 96.3 on steady tropo with no fading! 0131 finally IDedWFRG 96.1 Utica NY after many months of trying! At this time Albany and Syracuse were coming in on steady tropol During this trop session Joe fela has Pittsburgh strong and I didn't. Me and Rich Shaftan both noticed a 97.3 country stations we couldn't ID (No idea on this. Does WJFD run some country maybe?-qc). Also noticed a 96.9 AOR not Utica with a very compressed sound to it, playing a Woodstock Album and no IDs.....August 4th late nite into midnite. A very strong Cape Cod opening noted, WOCB 94.9 almost local strength. Hartford was local with WJMJ 88.9 finally heard. Very strong opening indeed, other NJ DXers did better than me but finally logged WKPE out yonder on the Cape 104.7 which was always impossible due to WSPK being so strong all the time here. I did hear Boston later pick up and I had WHCN 105.9 Hartford OVER WNWK 12 miles local.

Meteor Scatter Results:

AUGUST 13 MS Perseids

1400 WQZZ 99.7 WI Sturgeon Bay, "...Sturgeon Bay, Green Bay.."

AUGUST 15 Perseids

0428 WMC 99.7 TN Memphis. "..FM 100, the official station of Waynes World." 0455 WQZZ tent 99.7 again "highs in the upper 60's along the lake."

BILL'S DX SUMMARY FINISHES UP ON THE NEXT PAGE

NORTHERN FM DX

I didn't have time to DX the Perselds much mainly because I had to get ready to vacate and move to my new location 8 blocks to Ackerman Ave still in Clifton, and if anyone wrote to me, I'm sorry If I haven't gotten back to you; I will. Again I missed the convention!!! I hope to get DX ready in a week or two and this location might prove to be better than Highland Ave. All mail goes to PO BOX 2999 as always so nothing really changes as far as mail is concerned. Lets hope for a good tropo season this fall! Goodxing. Bill

BILL NIENAJADLY's report continues.

COLUMN NOTES: There seems to have been some complaints regarding the use of different typestyles. or fonts, in this column. I was very surprised to read this, since all reaction up till now toward this policy has been positive. Members told me they felt it livened up the page; helped to make each report unique. Folks, if you don't let me know when you don't like something I can't do anything about it, can I? This column has ALWAYS been open to comments, suggestions, criticisms. I will personally respond to anyone who writes me with some concern, and will even print it if there is a request to do so. Sometimes I find it frustrating when I ask for opinions on how the column should look, receive next to nothing, and then certain members complain to HQ anyway. If you have a comment, feel free to write...

ERIC FADER - 64 WILD BIRCH FARMS - PEEKSKILL, NEW YORK 10566

Equipment: Onkyo T9090, Antennacraft GFM6, on tripod in den (hand rotated)

JUNE 1990 DX 26 ES 2019 WBLX 92.9 AL Mobile 2020 WMEZ 94.1 FL Pensacola 2020 WKSJ 94.9 AL Mobile 2021 unID 94.1 Star 94 FM, with show jazz flavors, who? 2027 unID 94.9 with new age, FM95 2033 WQST 92.5 MS Forest 2122 KOLL 94.9 AR Pine Bluff, Cool 95

JULY 4 TR 0655 WHBC 94.1 OH Canton 0701 WTOF 98.1 OH Canton 0705 WDJQ 92.5 OH Alliance

0715 WYXL 97.3 NY Ithaca, strongest ever 0745 other inland PA/NY's enhanced.

0817 WCII 88.5 NY Spencer 0833 WCIH 90.3 NY Elmira

8 Tr 0719 Coastal Tr to NJ/PA/MD/VA

1528 KNIN 92.9 TX Wichita Falls 1555 KBEZ 92.9 OK Tulsa 1557 KVQQ 98.5 OK Tulsa,k

1601 KMOD 97.5 OK Tulsa thru WALK w/rp 1609 KLTY 94.1 TX Dallas

1614 KRXO 107.7 OK OKC, classic Rock 1618 KZNN 105.3 MO Rolla

1621 KKRD? 107.3 KS Wichita 1622 KXLK 105.3 KS Haysville

1631 unID 99.7 Top 40, FM 100 1635 KOLL 94.9 AR Pine Bluff

1643 KZOC 92.9 KS Osage City, KZ 93, k 1647 WOUE 93.3 LA New Orleans 1650 WMXZ 95.7 LA New Orleans, WMIX

the new Mix 95.7

JULY 8 es 1651 KMBR 99.7 MO Kansas City, Lite 99.7 FM

1652 WLTS 105.3 LA Slidell Lite 105 1653 KHLT 94.1 AR Little Rock, K-Light

1658 KFKF 94.1 KS KC

2217 WBUF 92.9 NY Buffalo, FM 93

2225 WJYE? 96.1 NY Buffalo, with soft AC, needed u/WLEV,WGCB,WSRS

12 GW/TR 0003 WWUH 91.3 CT W.Hartford

22 Tr 0949 WNYV 94.1 NY Whitehall, Lakes Region Radio

0953 WENU 101.7 NY Hudson Falls

JULY 22 Tr cont 0955 WQNY 103.7 NY Ithaca

1007 WCAN 93.3 NY Canajoharie // WAMC and WAMK 1104 WBEE 92.5 NY Rochester

AUGUST 5 Tropo

best Massachusets TR in years! 0030 t/in, WFOG 92.9, WOLC 102.5 MD, coastal

NJ/MD/LI/CT/MA all in 0040 WQGN 105.5 CT Groton* 0144 WNTX 96.3 MA Nantucket, over WQXR

0147 WRTC 89.3 CT Hartford, flea powered 0212 WCNI 91.1 CT New London

0215 unID 88.5 Spanish, aims east 0223 WPXC 102.9 MA Hyannis, Pixie Party Weekend

0225 WPRO 92.3 RI Providene, thru WXRK 0230 WKPE 104.7 MA Orleans, thru WSPK 0232 WVVE 102.3 CT Stonington

0240 WHMP 99.3 MA Northampton

0252 WJBR 99.5 DE Wilmington, over WBAI

0254 WFXR 93.5 MA Norwichport, Fox radio trhu WRTN 0301 WQRC 99.9 MA Barnstable

No Es noted after 7/8 and nothing between 6/1 and 6/26. I'd have to rate the season "lousy" because anything that occurs during the week and before 8PM when I get home from work "doesn't count". Very few weekend openings this year, and only 6 into FM noted all season.

AROUND THE DIALS: in Osceola, AR (Memphis area) KMPZ 98.1 has dropped CHR and gone to oldies, with new calls: KPYR. WGH 97.3 in Virginia Beach is now country, causing 105.3, which was only country very briefly, to switch to "hot a/c", WMXN,. Mix 105.3. Rumour has it that WWHB 107.1 LI will become a full time simulcater of WNEW 102.7 New York. Watch here and FCC FM News to see if this story develops further..the 106.9 cp in the Milwaukee area is not on yet... WMJI 105.7 Cleveland is now all oldies. News to two more easy listening stations that have switched to soft a/c format: WWMY 94.5 Eden, NC, and WANV 99.7 in Staunton, VA. WAIS 107.7 in Nelsonville, OH is on with satellite CHR. Thanks George Greene, Mark Strickert, and Bill Nienajadly.

JOHN EBELING - 9209 VINCENT AVE SO - BLOOMINGTON, MINNESOTA 55431

AUGUST 2 Es cont. DX FROM BLOOMINGTON, MINN 2017 K215BH 90.9 TX San Angelo, xltr of KGNZ Abilene **JULY 1990 DX** 18 TR and Es 2200 KKCK 99.7 MN Marshall, ex 100.1 0830 KIWA 105.5 IA Sheldon 21 Tr and Es 1839 WLJS 91.9 AL Jacksonville, 92-J 1915 KKSI 101.5 IA Eddyille, Kiss FM 1845 WRJA 88.1 SC Sumter, +T SCA 1928 WABK 104.3 ME Gardiner (wx) 1847 WZLM 97.3 AL Dadeville 1929 CBF1 104.3 PA Trois Riveres, alternating w/WABK AUGUST 2 Es (erratic) 1853 KZZB 95.1 TX Beaumont 19312 CITE 107.3 PQ Montral 1900 WJIS 88.1 FL Bradenton 1945 WKZS 99.9 ME Aubum 1946 WEZF 92.9 VT Burlington, still muzak on SCA 1923 KYKM 97.7 TX Winfield Kicker FM 1950 WXGL 93.9 ME Lewiston 1931 KAPT 94.7 TX Luling/Austin 2005 WMBR 88.1 MA Cambridge, s/off, only 360 watts 1933 KOPY 92.1 TX Alice, LOPY Alice's own country stn. 1935 WAYJ 88.7 FL Ft. Myers, Way FM +X SCA 2300 KQEG 102.7 MN LaCrescent 1942 XHNOE 91.3 TA Nuevo Laredo Not much from Cabin location in Alborn, MN since 1950 WQUE 93.3 LA New Orleans 1954 unID 94.3 typical Mexican echo on Voice last report on July 3rd AUGUST 26 Tr Spanish- XHJTA ?? 2220 KNEN 94.7 NE Norfolk, (+X SCA), NorthEastNeb 2000 KLUX 89.5 TX Robstown 2248 KZEN 100.3 NE Central City, k 2008 WCKW 92.3 LA LaPlace

The Es opening of August 21 was a pleasant surprise. Was sitting watching the 10PM TV news (ch5 and noticed what appeared to be CCI. Turned on the FM and tuned a bit and heard about 4 French stations. Turned antenna NW, but was the wrong direction, so had to swing east. (Never could ID a copule of the French stations)

MIKE CHERRY - BOX 631- GANGES, BRITISH COLUMBIA VOS 1EO

Equip: see August VUD. As of 8/16/90, Magnum Sleuth 150 pre amp, & = mobile locations in toyota, (607) 537-5201

JULY 1990

2143 CKIC 107.3 AB, "in the latest Calgary rock wars competition...."

0644 KBYU 89.1 UT Provo, "highs in the Wasatch near" AUGUST 1990

7 Tr (near Mt.Benson, Nanaimo, BC) all "&"

1942 CBTQ 98.1 BC // CBU 690, mono, KING nulled 1958 CBYT 104.5 BC // CBU 690 and 98.1 2000 CIFM4 xitr of CIFM 98.3, FM 98, non-ID

news and a/c music 2021 KWIQ 100.3 WA, k (over local CKKQ Victoria!)

8 Tr (&) Comox, BC

0342 KXL 95.5 OR approx 340 miles, \$ 1459 KKCW 103.3 OR, KXL still in ,\$

1500 K237AW 95.3 WA, KWWW 96.7 legal ID 1504 CJFW t 103.1 BC, k music, \$, or is this a

central WA translator? see notes 1618 KKZX 98.9 WA, over KEZX Seattle, \$ 1630 KMBI 107.9 WA, g, religious pgm, \$

1634 KISC 98.1 WA, p music, local ad o/CBTQ 1708 KXLY 99.9 WA, n,ads, b music o/Seattle

1756 KKZX 98.9 WA mobile near Buckley Bay,BC

AUGUST 11 Tr (&) Vancouver

2011 KFAE 89.1 WA Northeast Jazz, \$ 2023 KBOO 90.7 OR, urban mx, \$ 2029 KBPS 89.9 OR, ID, talk, c mx, \$ 12 MS

2138 CHFM 95.9 AB "just off McLeod Trail and at 3 other" prev MS and AU reception.

18 super Tr!

2221 KATS 94.5 WA, r\$, strong! 2224 KKPL 96.1, r\$, Light 96

full quieting all night! 2229 KPBX 91.1 WA Afropop show, \$ 2243 KFAE 89.1 WA, j\$, regular Tr/Trs

2252 KMBI 107.9 WA, q\$, relig pgm AUGUST 18 Tr cont!

2257 KEWU 89.5 WA, legal ID, \$, thru semilool KNHC Seattle

2300 KCDA 103.1 ID, weak, legal ID 2301 KFFM 107.3 WA, CHR, reg. Tr

2307 K211AL 90.1 WA // KMBI 107.9 2312 KRBM 90.9 OR, p-garage rock, ID

2316 KIJK 95.1 OR local ads, weak 2324 KGDN 95.9 WA, cont. g music

AROUND THE DIALS- In Bridgewater, Virginia (not Washington as in FM Atlas), WRD] 105.1 is on the air, as "D]105" and oldies for mat... The following stations have been noted as being silent-88.1 Milwaukee, 106.9 Brookfield, WI, and 96.5 Marsailles, IL....WAZR in Woodstock, Virginia has moved from 95.9 to 93.7 and IS MONO. Joining the increasing number of station's that have dropped easy listening for soft a/c vocals is WEZK 97.5 in Knoxville, Tenn. WXVO 98.7 Oliver Springs, Tenn is on the air, k\$. Also on is WYRV 107.7 over in Cedar Bluff, Virginia; it is also country but MONO. 103.3 in Indianapolis is now classic rock, and WXFX (I think)....in Tawas City, Michigan, WDBI has changed frequency from 101.7 to 107.3. I highly suspect this was due to interference from CKNX, which really gets out. Also 100.9 Olean is now WMXO, and "The Mix", and WWKS 106.7 Beaver Falls, PA (Pittsburgh) has gotten very "rock" oriented, kind of a classic hits I guess. Thank you Mark Strickert, and Matt Sittel for information.

NORHTERN FM DX GREGG CONIGLIO - 5100 GLENWOOD DR - WILLIAMSVILLE, NY 14221

GREGG CONIGEIO - 5100 GLE	IAAAC	JOD DR - WILLIAMSVILLE, NY 14221	
JULY 1990 DX		AUGUST 22 Tr	
19 Es	12.22.27.1	1156 KDAL 95.7 MN Duluth, legal, 96 Lite,	
1329 KAYD 97.5 TX Beaumont, k\$, KD-97	1221	NEW TROP RECORD	704
1338 unID 96.5 clock ticking, assume Houston as		25 Tr	
they were undergoing a format change		1851 WYTZ 94.7 IL Chicago, Z-95, r\$	464
1344 KAQU 101.9 TX Huntington, rp\$, KQ102	1180	1952 WNSN 101.5 IN South Bend, strong	393
1402(KATG) 94.7 TX Luling, k\$, Country Cat,exKAP	T	2012 WBNQ 101.5 IL Bloomington, Open House Pty	533
1415 unID 95.5 Foxy 95 (not KAFX)		2031 WKZW 93.3 IL Peoria, KZ93 and top 40,	568
1422 KIXS 105.5 TX Harker Heights, r\$, Kicks	1381	2310 WILL 90.9 IL Urbana, j\$, legal ID	525
1420 most Dallas in very good		26 Tr	
1430{KCBI} 89.3 TX Dallas, g\$, EBS, ex: KNON	1243	0000 WSSU 91.9 IL Springfield, legal ID	604
1437 KOXE 101.5 TX Brownwood, k\$, Cntry Class	1342	0006 WHKO 99.1 OH Dayton, very strong	364
1443 KIXY 94.7 TX San Angelo, top 40	1420	0031 WOJY 95.9 PA Sharpsville, Joy 96, mr\$	151
22 GW		0044 WTMX 101.9 IL Skokie, The New Mix 102	421
1300 CJLX 91.9 ON Toronto, car race, a few watts?	59	0046 WKQX 101.1 IL Chicago, Q-101	464
28 GW		0047 WCKG 105.9 IL Elmwood Par, classic rock	466
1600 WZOS 96.7 NY Oswego, rm\$, Z-96, new to air	109	0122 KFUO 99.1 MO Clayton, prev MS,	100
29 Au		in for full quieting for awhile!	679
0010 WHFS 99.1 MD Annapolis, talking	293	0139 WFBQ 94.7 IN Indianapolis, rp\$, Q-95	441
AUGUST 1990 DX		0150 WIL 92.3 MO St.Louis, k\$, over WJMO	664
11 TrS - CING 107.9 off the air		0156 KWMU 90.7 MO St.Louis, strong	664
WPHR-OH, WCRZ-MI, WDSY-PA, WRHP-nY, WFSI t	MD	0206 WCFL 104.7 IL Morris, Super CFL, oldies\$	488
0850 WCPZ 102.7 OH Sandusky, calls	231		352
1135 WLTW 106.7 NY New York , Lite FM	287	0221 WQXC 100.9 MI Otsego, calls	672
12 MS	20,	0235 KSHE 94.7 MO Crestwood, rp\$, prev Es	
1344 KFUO 99.1 MO Clayton, "Classic 99 KFUO-FM	-	0300 WVXU 91.7 OH Cincinnati, prev Au	411
13 MS	11.	1149 WAMZ 97.5 KY Louisville, k\$, calls	490
0010 KBUZ 99.1 KS El Dorado, K-Buzz	1008	1200 WFPK 91.9 KY Louisville, ID	490
0016 WKNN 99.1 MS Pascagoula, "and in Pasc."	1028	1222 WBGL 91.7 Danville, local ments	529
	860	27 Tr (Toronto FMs off briefly)	1000000
1302 KMAG 99.1 AR Fort Smith, "KMAG" (I)	000	0406 WTOF 98.1 OH Canton, g\$	208
18 TrS (CHUM 104.5 off air)	444	0407 WMEE 97.3 IN Ft.Wayne, r\$, calls	351
0025 WNBT 104.5 PA Wellsboro, r\$, B-104	114	2200 WYTZ and WKQX Chicago in briefly	464
0026 WQKT 104.5 OH Wooster, Q-Country	223	28 TrS (Buffalo 92,9,94,5,99,5,102,5 off-thunderst	
0051 WEXX 99.3 PA So.Williamsport, top 40	148	2030 hilites were 3 new ones on 102.5, WUUU Ron	
<u>19 Tr</u>		WRFY Reading, and WIOG Saginaw, and WGY 99.	5 new
1724 WATZ 99.3 MI Alpena, k\$, calls, others in	070	29 Tr	
up that way, including 90.5,91.7,92.5	273	0800 WIBM 94.1 MI Jackson, o\$, over CBL	290
1728 WKPK 106.7 MI Gaylord, Peak	330	Detroit very strong	
2320 CITE1 102.7 PQ Sherbrooke, FF\$	360	0759 WBCH 100.1 MI Hastings, k\$	333
2331 WLDR 101.9 MI Traverse City, Sunnry 102,mrs	\$ 382	31 Tr	
20 Tr		0750 WSNN 99.3 NY Potsdam, local refs	277
0022 WZPK 103.7 NH Berlin, 103.7 Peak FM,		SEPTEMBER 1990 DX	
New England's Superstation	373	2 TrS	
0045 WKHQ 105.9 MI Charlevoix, 106-KHQ	360	1855 WASH 97.1 DC Washington, ads	298
21.Tr		3 Tr	
2140 WIXX, WRVM, WDOR from N.Wisc		N.Wisconsim WIXX, WRVM in again	
2225 WIFC 95.5 WI Wausau, calls, ads	554	1759 WHSB 107.7 MI Alpena, r\$ over local WEZO	273
2236 WLTO 103.9 MI Harbor Springs, call, rk\$	354	1800 WDBI 107.3 MI Tawas City, new on air	253
2357 WNMU 90.1 MI Marguette, calls	493	1955 (WMXO) 100.9 NY Olean, The Mix	62
21 Es		2000 WGSQ 94.7 TN Cookeville, k\$, The Country	-
2330 KCGM 95.7 MT Scobey, k\$, calls	1342	Giant, this was in for 30 hours!	595
2331 CBWY 92.7 MB Jackhead, CBC Mono	1060		
2331 CBWV 97.9 MB Brandon, CBC Mono	1113	2106 WZPK 103.7 NH Berlin, The Peak	373
2335 KNOX 94.7 ND Grand Forks, Cool 94.7	990	2220 WKXA 100.5 OH Findlay, r\$, calls	281
2336 CKSB7 93.5 ON Kenora, French MONO	880	2220 WOKI 100.3 TN Oak Ridge, I-100, strong!	537
	755	2257 WLAC 105.9 TN Nasville, calls, ID	640
2337 WTBX 93.9 MN Hibbing, 94 WTBX, r\$		2300 WHBC 94.1 OH Canton, over CBL	208
2337 KKXL 92.9 ND Grand Forks, XL93 o/WBUF	940	4.Tr	12/20/2
2340 KMAV 105.5 ND Mayville, local ads	950	0135 WTOF 98.1 OH Canton, over CHFI	208
2351 KGCH 93.1 MT Sidney, 93 Country	1276		
22 Tr		more of my DX to continue next month	
0034 <u>CJSD</u> 94.3 ON Thunder Bay, 94FM, r\$	622		
Thank you Larry Fuss for IDing my unID of la	ast mo	onth, KAMD 97.1, as Camden, Arkansas. The	last fe

Thank you Larry Fuss for IDing my unID of last month, KAMD 97.1, as Camden, Arkansas. The last few days of August and first few days of September was the best trop I have ever seen. Even more good stuff will come next month's report. WOKI was in so strong I had it in on the boombox! At some times things were up over 400 miles in every direction! I hope many of you got in on this opening! Also I would like to thank Bruce Hall, John Ebeling, and Mike Bugaj for responding to my question on FM amplifiers. More on that next time. I would also like to take this opportunity to recognize ALL the volunteers for their efforts.

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

SOUTHERN FE DX

1000 WYLT 96.1 NG Haleigh

8/29 tr

DEADLINE: 14th SOUTHERN FM DX IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

MORE SUPER TROP RETURNS TO PIKES PEAK AREA IN LATE AUGUST

AUGUST 15 MARKS EVIDENT END OF FM SKIP SEASON

COMPANY OF THE STATE OF THE STA	STATE AND THE ACT OF A S S STATE AND ACT OF A S S STATE AND ACT OF A S S STATE AND ACT OF A S S S S S S S S S S S S S S S S S S
Jim Pizzi,814 Brookhill Dr. Paso Robles, CA	93446 805-238/5271
7/11 Es 1343 KNEN 94.7 NE Norfolk, calls	7/11 Es
1348 KQKQ 98.5 IA Council Bluffs, calls	1426 WOW 94.1 NE Omaha
1357 KGOR 99.9 NE Omaha, calls	1430 KSDZ 95.5 NE Gordon, calls, ID
1401 KLOZ 95.1 NE Lincoln, calls	1436 KELN 97.1 NE N. Flatte, calls
1409 KZEN 100.3 NE Central City	8/3 Es
	1147 CHFM 95.9 AB Calgary, calls
All quiet on the western front. 7/11 ope	ening was very strong while it lasted. 73's.
Jeff Kruszka, 2824-E Steamship Circle, Harah	
7/7 Es	7/9 Es 2133 kaaqt105.9 NE kQ-106
1152 KMOR 92.9 NE Scottsbluff 1202 KAMI 104.5 NE Cozad, 104 1/2 FM	7/19 Es
1208 KKMk 93.9 SD Rapid City	1923 KWYK 94.9 NM Aztec
1444 KAAQ 105.9 NE Alliance, KQ-106	7/29 Es
7/8 Es	1725 KASE 100.7 TX Austin
1413 WLTJ 92.9 PA Pittsburgh	1734 KAPT 94.7 TX Luling, "KAT-the country cat"
1416 WQIO 93.7 OH Mt. Vernon, Super-Q	1745 KALP 92.7 TX Alpine
1543 WkJF 92.9 MI Gadillac	1805 KITY 92.9 TX San Antonio
Keith D. Pugh, 227 Martin St., New Hope, AL Equipt: McIntosh MR78, \$ Probe 9 at 30', RG	35760
7/29 Es	8/2 Es
1619 KBNR 88.3 TX Brownsville	1857 KRFX 103.5 CO Denver, "The Fox"
1620 kOIR 88.5 TX Edinburg, SS	1857 kRXY 107.5 CO Lakewood, "Y-108"
1625 XHAAA 93.1 TA Reynosa, "XH-triple-A"	1900 KGRQ 107.1 CO Pueblo, ID
SS	1902 KATM 100.7 CO Pueblo, "The Cat"
1632 kZSP 95.3 ?? r, "Z-95"	1910 kIOL 93.9 CO Colorado Springs, "Kilo 94"
1646 XHQC 93.5 CL Saltillo	1922 KLO? 93.5 ?? k
1650 KITM 105.5 TX Mission, 2 spurs present	1923 KALQ 93.5 CO Alamosa, "Q-93.5"
on each side of center freq.	1924 kHIH 94.7 CO Boulder, "K-High"
1651 KVLY 107.9 TX Edinburg, "Y-108"	1929 KUNC 91.5 CO Greeley, ID
1658 KSOX 101.7 TX Raymondville, ads, ID	1930 KUWR 91.9 WY Laravie, ID
1701 XHMF 104.5 NL Monterrey, "Estereo	1932 KKCS 101.9 CO Co. Springs, k, "KCS"
Vida", ID	1939 KSID 98.7 NE Sidney, ads
1708 MUF 107.9 to Monterrey	1942 KFBQ 97.9 WY Cheyenne, "Q-98"
1709 KTXF 100.3 TX Brownsville,	1946 KMOR 92.9 NE Scottsbluff, r, ID
"FM-100, K-tex,", k	1949 KNEB 94.1 NE Scottsbluff, k
1720 KFLZ 107.1 TX Bishop, SS, ID	2222 KTAK 93.9 WY Riverton, "Big 94 FM"
1728 KCTM 103.1 TX Rio Grand City, SS, ID	8/19 tr
1730 KROB 99.9 TX Robstown, ads, ID	1155 WEZC 102.9 ?? mr, \$
1738 <u>KWVS</u> 97.5 TX Kingsville, ID	8/23 tr
1744 XHQIt102.1 NL Monterrey, o/lcl WDRM	2300 WAID 106.3 MS Clarksdale, sr, ID 250
1754 KBIC 102.3 TX Alice, ID	8/24 tr
1800 KBNL 89.9 TX Laredo	2109 KSHE 94.7 MO Crestwood, rp, k-She 95
1907 XHVB 97.3 TAB Villahermons, ID	2122 KEZK 102.5 MO St. Louis, ID
1910 unID 95.0 ment. Tabasco "R. Mundo"	2128 WIL 92.3 MO St. Louis, k, ID 360
8/2 Es	2148 KSTZ 105.7 MO St. Genevieve,"105.7 Kiss FM"
8/2 Es 1312 KRTN 94.3 NM Raton, area wx	2231 KWWR 95.7 MO Mexico, k, ID 425
10 JO RDRI 92.5 CO Greetey, 1D	8/25 tr
1852 WYGO 98.5 CO Denver, k, ID	1845 WOOD 105.7 MI Grand Rapids, b, "You're
1858 KKFM 96.5 CO Colorado Springs	listending to WOOD FM 105.7." In weak for 20
Fred Laun, K3ZP, 5801 Huntland Rd., Temple H	mins. No other tr heard except this at 580 mi.
Equipt.: Denon TU-800 tuner, Winegard anter	
8/29 tr	. 8/29 tr
0845 WIKS 101,9 NC New Bern "Kiss 102"	0856 WRDU 106.1 NC Wilson, "RDU
(Overriding Baltimore's WLIF, 40 mi. away.)	0900 WBCG 98.3 NC Murfreesboro
0850 WZYC 103.3 NC Newport, "Z-103"	0943 WKJX 96.7 NC Elizabeth City, "96X", CONT.

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(overriding Baltimore's WXYV, 40 mi. away")
1005 W.FK 97.3 NG Wilmington
                                            1110 WHSF 105.7 NC Columbia, "Surf 106"
1013 WTRG 100.7 NC Rocky hount,
                                            1130 WCYK 192.3 NC ??, "All New Country 102",
"Oldies 100.7"
1026 WDRF 98.9 NC Windsor, "98.9 FM"
                                             (overriding local WMMJ)
1035 WZST 102.7 VA Appomattox, "Star 102.7"
Doug Allen, w2crs, P.C. Box 5646, Woodland Fark, CO 80866
Equipt.: Pioneer TX 9800(IF modified) & stacked Stereo Probe 9's at 25'
-Stations under 400 miles not reported unless new or remarkable!
8/8 tr
0730 KEZG 107.3 NE Lincoln, ID
(good tropo east 400 mi.+)
0800 KHNE 89.1 NE Hastings, full Q, a reg.
at 379 mi.
0810 KCNTt 88.1 NE Hastings, in noise
Is this station still on?
0812 Salina 89.5 & 93.7 full q at 410 mi.
8/9 trs
2057 KJYE 92.3 CO Grand Junction, ID,
EZL, "K-Jou"
2100 KQIX 93.1 CO Grand Junction, ID, not
as strong as 92.3
2212 KLSkt104.1 NM Santa Fe, cl. in & out
of noise
8/11
(ms & trs home; gw from Pikes Peak)
0345 KNEV 95.5 NV Reno, ms, ID
1602 kRZA 88.7 CO Alamosa,
ID, Toyota=peak
1615 K232CH 94.3 CO Alamosa, KSFk trans=
 peak
1629 KANW 89.1 NM Albuquerque, ID =peak
1635 KIDI 103.3 NM Albuquerque, ss =peak
1648 KLYT 88.3 NM Albuquerque, "h-Lite=peak
1800 K292AN 106.3 CO Buena Vista, KVRH = peak
1830 R203AT 88.5 CO Westcliffe, kRCC =peak
2109 K292AN 106.3 CO Buena Vista, from home!
2118 KVRH 92.1 CO Salida, my closest
needed station!
2124 KIDI 103.3 NM. Albuquerque, full q one
min., ss
8/12 ms
0430 kHX4 93.7 CA Hosedale, "LHX update"
0516 kRGW 93.7 AZ Tucson, "cranking out
  Tucson's freshest music", STATE #39
0526 unID 96.9 ? "the new hot 97"
0536 WWJC 98.1 MN St. Cloud, ID,
 "Stereo 98 is WWJO"
0554 unID 95.5 "the eagle"
0554 kMGE 94.5 OR Eugene wx, "Magic 94 FM"
0605 WXLR? 94.5 ? ID
2130 Wichita, Arkansas City, Enid, Ok in at
 400+ miles.
8/15 Es
1830 KYKM 97.7 TX Winfield, ads, from car
1832 WKSJ 94.9 AL Mobile, "95KSJ" from car
1834 WGNE 96.9 FL Titusville, "color in
 Titusville 98.1 on Florida map"
1835 WORK 97.1 MS Meridian, "97 OKK"
1955 WWSF 98.1 AL Andalusia, "the new 98
 surf FM", from home
2001 WLBF 89.1 AL Montgomery, ID
2006 WRSA 96.9 AL Decatur. "beautiful 97
 for north Alabama"
2013 WMEZ 94.1 FL Pensacola, "easy WMEZ"
2014 WOHT 95.5 MS Jackson, "Hot 95"
2020 WkSJ 94.9 AL Mobile, "95 KSJ"
2022 WFFF 96.7 MS Columbia, ads
                                        cont...
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Laun, cont.

8/29 tr

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8/15 tr
2023 WJDR 98.3 MS Prentiss, ID
2025 KWKH 94.5 LA Shreveport, ID
2027 WSLI 96.3 MS Jackson, new calls?, "Mix 96"
2035 WGGZ 98.1 LA Baton Rouge, "Z-98"
2038 WTYJ 97.7 MS Fayette, ads
2040 KBAU 94.3 LA Galliano, "Bayou 94"
2044 WRBH 88.3 LA New Orleans
-tropo over 400 mi. follows
2045 KYEZ 93.7 KS Salina, ID, full Q at 410 mi.
2107 KZKX 96.9 NE Seward, ID
8/16 trs
 1920 KYSL 92.1 CO Frisco, ID, "all hit
 crystal 92", CO #100
1926 KVLE 102.3 CO Gunnison, ID, k
1943 K232AD 94.3 CO Roaring Fork, KQIX ID
2117 KKJQ 97.3 KS Garden City, "Q097 FM",
 kBCO down from storm
2120 KMTYt 97.3 NE Aurora, in noise & under KKJQ
2122 KKSSt 97.3 NM Santa Fe,"
2129 KMODt 97.5 Ok Tulsa, surfacing occasion.
2132 KDLY 97.5 WY Lander, almost full Q at 330
8/17 ms
0635 WAQE 97.7 WI Rice Lake, promo Bergan Co.
8/18 ms
1235 KOOL 94.5 AZ Phoenix, wx,10 sec, from car
2046 k280CD 103.9 CO Dillon, o/u kSNO, KSMT ID
8/21 tr
0505 KLNE 88.7 NE Lexington, NE Pub. Met.
8/26 tr
0450 unID 98.1 ? cl peaking east, faded at
 hour: lots of stuff in noise; probably good
 opening east of here?
0500 kZkX 96.9 NE Seward, noisy, only
                                          500
 station IDed
 8/29 great tropo
0730 kJTY 88.1 kS Topeka, g
0735 kZKX 96.9 NE Seward, ID "96 KICKS
                                          500
 0736 kUDL 98.1 KS Topeka, ID
                                          500
0738 kFkF 94.1 KS kansas City, ads
                                          565
 0740 KGZEt 98.7 KS Rozelle, noisy & splatter
 IS this station on? se NE & ne kS stations
 pinning meter!
 0745 KTPk 106.9 kS Topeka, wx
 0750 KYSG?105.9 KS Larned?, mention of down-
 town Hays & student bookstore, not KLZR, new
  station here instead of 106.9 ?
 0752 KYQQ 106.5 KS Arkansas City, ID, new call
 0755 KCPW 94.9 MO Kansas City, wx
 0800 KMBR 99.7 MO Kansas City,
 0801 KUTT 99.3 NE Fairbury, nx. wx to k
 0804 KBBE 96.7 KS McPherson, ID swap show
 0805 KRZZ 96.3 KS Derby, ID
 0806 KWAS 94.3 KS Winfield, Cowley Co. wx,
  "Class FM"
 0830 KLER? 99.3 MO Boonville, playing White
  Christmas!!!, "Christmas in August?...
 listen Friday, Jefferson City-Columbia..the
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1059 WAZO 104.3 NC Tarboro, "New Class FM 104.3"

OCTOBER 1990

Allen, cont. SOUTHERN FM DX 8/29 tr the answer will be clear" to white Xmas repeated over & over, no ID on hour 0835 WHMS 97.5 IL Champaign, wx, ID, 908 BEST TROPO 0842 KCAY 95.9 KS Russell, loc. events 340 0843 kNZA 103.9 kS Hiawatha, ID 520 0854 KRPS 89.9 KS Fittsburg, 4 state wx, ID 0859 KCVS 104.9 KS Salina, g, with comm. ads no ID 0903 KVGBt104.3 KS Great Bend, under KQKS 349 0914 KRNY 102.3 NE Kearny, k 0928 KMKF 101.7 KS Manhattan, ID, KS#54 452

en, cont.

8/29 tr

0930 KGLY 100.9 kS Clay Center, ID 445

0923 WYMG 100.5 IL Jacksonville, ID, full Q,
"home of central IL rock and roll" 804

0930 unID 97.5 IL? k in noise, peaked east
calls started with W--
0933 KEFMt 96.1 NE Omaha, under nulled kSQI

0933 kWWR 95.7 MO Mexico, k, "Country 96"
University Chrysler ad, over nulled kSYI1692

0950 KTEX 93.5 MO Tarkio, ads, to Brownfield
Network

1000 kLOZ 92.7 MO Eldon, ads, "Z-93", no 690
ID on hour

Hated to leave home at 1000 August 29, but I was already late for work! With superb tr into IL and MO, it was worth being late for. Spent a lot of time trying to ID noisy k on 97.5 without luck. The high pressure over the area looked pretty much the same on the simplistic local media weather maps 8/26 thru the end of the month, but only 8/29 resulted in unusual tropo extending into the mountains here. My stacked Paralog 9s had been a little out of line and were straightened early in the month which helped nulling ability. Factory authorized service says my Denon tuner is beyond repair, but obviously the IF modified TX-9800 is an adequate replacement. I've only put two 150 khz filters in it so far. I like the "off tuning" ability of the analog tuner, but miss the digital readout and programable memory which made checking conditions a breeze. I've been given a Heathkit AR 1650 which lost its power amps. It's an excellent tuner unmodified but not quite as good as the modified TX 9800. It doesn't use the small 3-lead ceramic filters that we've all been experiminting with, and I'm at a loss for modifying it. Any ideas? My 8/11 trip up Pikes Peak was for a training run for the Pikes Peak marathon which I run every year, but I did a little DXing and that evening found I could get several of the new stations at home! I hope to take a good receiver and FM yagi up there sometime. Since the summit is 8 miles, as the raven flies from my house, I get to count those as new ones!! It would be fun to do a DXpedition with others up on the peak, if anyone's in the area and interested. Enjoyed the correspondance with Bell Nienajadly concerning the TX-9800 and with Topeka's Todd Bradenburg concerning DX. Todd got CO one morning when I called him up, and he's helped me with several unIDs such as my 106.1 unID(which turned out to be new station KMA-FM in Shenadoah, IA) and this month's Boonville, MO report. Es was a disappointment for me this season. The little bit that occured after Memorial Day seekend seemed to find me in the car or otherwise preoccupied. The Perseids peaked here the early morning of the 12th, as usual. Hope and suspect some of you got in on the superb late August tropo for more than one day. 73.

Matt Sittel, P. O. Box 21421, 5010 Wood Ha	11, 1	NCSU, Raleigh, NC 27607	
Equipt.: Yamaha TX-900U w/modified filter	s, R	adio Shack 6-bay FM antenna, rabbit ears,	
Archer FM signal amplifier	200	0901 WCIG 107.1 SC Mullins,s,"Hot 107"	240
Kingsport, TN DX:		0906 WTHP 98.3 NC Thomasville, calls	142
8/1 tr		1000 WKDB 91.3 NC Asheville, ID	74
0959 WKDB 91.3 NC Asheville,ID	74	2137 WDEN 105.3 GA Macon, calls	257
8/2 tr		2149 WWDM 101.3 SC Sumter, "The Big DM"	212
0759 WLJK 89.1 SC Aiken, ID	204	2153 WQMG 97.1 NC Greensboro, local ment.	
8/6 tr		2155 WMXF 96.5 NC Laurinburg, ID	204
1648 WTSH 107.1 GA Rockmart, ID	220	8/14 tr	
1706 WQSB 105.1 AL Albertville, area ment.	256	2001 WQDR 94.7 NC Raleigh, phone # ment.	219
1712 WAPW 99.7 GA Atlanta, "Power 99"	216	2004 WZKS 98.3 GA Jesup, new calls?	336
1714 WTRG 100.7 NC Rocky Mount, o	267	-thanks to Greg Coniglio for ID'ing	
8/7 tr		2015 WCAS 104.3 NC Tarboro, calls	270
0850 WQSB 105.1 AL Albertville	256	2259 WUOG 90.5 GA Athens, ID	175
0856 WAPW 99.7 GA Atlanta, "Power 99"	216	8/15 tr	257.00
0922 WSKZ 106.5 TN Chattanooga, area ment.	186	0250 WLWZ 103.9 SC Easley, "Z 104", ID	110
2317 WZJS 100.7 NC Banner Elk, "Z100"	41	0254 WAEV 97.3 GA Savannah, calls	308
2319 WDEN 105.3 GA Macon, calls	257	0330 unID 97.3 "97 Country"-WRUL? Help!	223
2334 WTCR 103.3 WV Huntington, calls, k	142		224
8/12 tr		1105 WZKO 106.3 KY Pineville, area ad	70
2201 WYLT 96.1 NC Raleigh, ID	219	8/16 tr	40000
2216 WYAV 104.1 SC Conway, area ad	265	1013 WPUP 103.7 GA Royston, area ad	153
MS		1024 unID 102.1 "The New Magic 102"-Help!	
2227 WQUE 93.3 LA New Orleans, "Q93"	627	1030 WAHR 99.1 AL Huntsville, "Radio 99"	268
tr		1055 WLJK 89.1 SC Aiken	204
2245 WPFB 105.9 OH Middletown,k	238	1055 WRJA 88.1 SC Sumter	212
8/13 tr		1113 WEGE 102.5 TN Crossville,k	146
0816 WGNI 102.7 NC Wilmingtor, local ad		1125 WOSB 105.1 AL Albertville, area ment.	
0840 WTCB 106.7 SC Orangeburg, "B 106"		11127 WGFX 104.5 TN Gallatin	220
A	201	T	

	Sittel,	cont. OCTOBER 19
ingsport, TN DX(cont.):		8/27 tr 0827 WSSL 100.5 SC Gray Court 2
THE CONTRACTOR OF THE PARTY OF		
TTT LIVYP 104.3 AL ALDEDS, 104 ALF	274	0829 WCMS 100.5 VA Norfolk, calls, k 1
TEL LHOD 99.1 TN Loudon.local ment.	113	0829 WOTR 100.1 SC Lake City, area ment. 1
ies twop 99.5 KY Corbin. "KD Country"	94	0830 WYFI 99.7 VA Norfolk, BBN mention 1
156 WWDM 101.3 SC Sumter.local ment.	212	8/29 tr
157 WDEN 105.3 GA Macon, "FM 105"	257	0806 WRSF 105.7 NC Columbia, "Surf 106"
201 WBDX 102.7 GA Trenton, ID	199	0808 WRQR 94.3 NC Farmville, "Q 94"
208 WYAV 104.1 SC Conway, "Wave 104"	265	1039 WXRI 107.7 VA Windsor
ZOS WYAV 104.1 SC Conway, wave 104	246	1044 WCXR 105.9 VA Woodbridge, "432-WCXR"
215 WHLZ 92.5 SC Manning, area ad		1040 UUOD 00 1 NG Mantan "00 UOD"NG#100
300 WRHM 107.1 SC Lancaster,ID	154	1049 WVOD 99.1 NC Manteo, "99-VOD"NC#100
203 WRHM 107.1 SC Lancaster, local ads	154	1052 WRHT 96.3 NC Morehead City, area ad
257 WFXS 102.3 TN Soddy-Daisy, "Fox 102	"170	1053 WPNC 95.9 NC Plymouth, "96 Country"
1/17 tr		1054 WWDE 101.3 VA Hampton,ID
0659 WABE 90.1 GA Atlanta,wx	216	1057 WJYJ 90.5 VA Fredericksburg, "90Joy"
1705 WPFB 105.9 OH Middletown,k	238	1107 WCDX 92.7 VA Mechanicsville
706 WNEX 106.3 SC Newberry, "Mix 106"	158	1111 WKEZ 94.1 VA Yorktown, calls,k
1700 White 100.5 55 Revoter, 112 100	153	1135 WEXE 100.1 NC Edenton, sg, new calls?
709 WPUP 103.7 GA Royston, calls		8/30 tr
0715 WTRG 100.7 NC Rocky Mount	267	
716 WKDP 99.5 KY Corbin, area ad	94	0827 WMJR 107.7 VA Warrenton, calls
)718 WTHP 98.3 NC Thomasville, calls	142	0837 WJFK 106.7 VA Manassas, Howard Stern 2
1725 WODR 94.7 NC Raleigh, calls	219	0838 WCXR 105.9 VA Woodbridge, calls
729 WTEB 89.3 NC New Bern, calls	320	0839 WKHV 105.5 VA Altavista, calls
1759 WR.TA 88.1 SC Sumter wx	212	0841 WMSQ 104.9 NC Havelock, "Q 105"
1900 tirp 91 3 SC Columbia	187	0842 WZST 102.7 VA Appomattox
AND LUTHER TOS O UNI ME Mana TO	131	8/30 tr
7/16 WRIP 98.3 NC Thomasville,calls 7/18 WRIP 98.3 NC Thomasville,calls 7/125 WQDR 94.7 NC Raleigh,calls 7/129 WTEB 99.3 NC New Bern,calls 7/129 WTEB 89.3 NC Sumter,wx 8/800 WLTR 91.3 SC Columbia 1.001 WTNJ 105.9 WV Mt.Hope,ID	131	0844 WZYZ 100.9 NC Fairmont, "Rock 101"
	- 1	
Raleigh, NC DX:	- 1	0850 WRQR 94.3 NC Farmville, local ment.
3/19 tr		O850 WCDX 92.7 VA Mechanicsville,s 1
1901 WANS 107.3 SC Anderson, calls	242	O857 WPVR 94.9 VA Roanoke, calls 1
2212 WCOS 97.9 SC Columbia, calls	179	0859 WUAW 88.3 NC Erwin, new station, gw
3/20 tr		0859 WZBB 99.9 VA Rocky Mount, "B 99.9" 1
0754 WWDM 101.3 SC Sumter, "Big DM 101Ff	1"155	8/31 tr
0824 WYAX 103.1 SC Surfside Beach		0823 WXRI 107.7 VA Windsor 1
		0823 WMJR 107.7 VA Warrenton, local ad 2
0826 WHTK 99.7 SC Port Royal, calls	433	
3/21 tr	0.01	0824 WRQX 107.3 DC Washington, "Q107"
105 WSSB 90.3 SC Orangeburg	201	0824 WJFK 106.7 VA Manassas 2
3/22 tr	overese and	0825 WCXR 105.9 VA Woodbridge, calls 2
0837 WSOC 103.7 NC Charlotte, area ment.	127	0826 WYAV 104.1 SC Conway, area ad 1
0840 WPEG 97.9 NC Concord, traffic rpt.	108	0827 WMXB 103.7 VA Richmond, "B 103.7" 1
3/24 tr		0828 WOLC 102.5 MD Princess Anne, calls 2
8/24 tr 1000 WXYC 89.3 NC Chapel Hill,ID 1001 WYFI 99.7 VA Norfolk	23	0829 WZBB 99.9 VA Rocky Mount, calls 1
1001 LIVET 00 7 VA Nonfolk	156	0831 WPVR 94.9 VA Roanoke, wx = 1
8/26 tr	130	0022 UTTE 02 7 CC Commenters collect
000 twee 00 7 00 th	200	0832 WIUB 93.7 SC Georgetown, calls 1
3/26 tr 0039 WKSX 92.7 SC Johnston,ph#,rp 0058 WNSC 88.9 SC Rock Hill,net= 0059 WIBZ 99.3 SC Wedgefield,ID	222	U032 WFLS 93.3 VA Fredericksburg 1
NNSC 88.9 SC Rock Hill, net=	144	0836 WANU 88.5 DC Washington,wx 2 0843 WGMS 103.5 DC Washington 2 0847 WGAY 99.5 DC Washington,wx 2
0059 WIRZ 99.3 SC Wedgefield, ID	165	0843 WGMS 103.5 DC Washington 2
944 WTNJ 105.9 WV Mt.Hope,area ad	200	0847 WGAY 99.5 DC Washington,wx 2
Weff Wolf, 1131 University Blvd.W., apt 7/4 tr (EDT)	. 701,	
1546 WSRF 105.7 NC Columbia, Surf 106 7/8 Es	1	510 unID 101.9 or 102.1 k-Live 102 516 f/out 1520 MUF 102.1 mhz
439 MUF 104.7	1	548 92.1 or 3 "93-FM GLY"
1446 kQUS 97.5 AR Hot Springs		549 KNIN strong
US-97 Weatherscan, 1447 ID, k, US-97 I		603 <u>KOEZ</u> 92.3 KS Newton, EZ-92
451 KZOUt 98.5 AR Little Rock, ment.	"	"Newton-Wichita"
Little Rock	1	624 unID 92.7 baseball
500 kNIN 92.9 TX Wichita Falls,	12	/8 Es 644 KBEZ 92.9 OK Tulsa "92 FM KBEZ"
"Wichita Falls-Lawton"	14	Alde Value on O OV Thiles "On The Value"
The state of the s		
505 KMYZ 104.5 OK Pryor, "Tulsa's ten in a row station"	1	725 MUF ch. 4 1805, 2212 MUF 88.1

Danny Buntin, 1312 N. Skyline, Stillwater, Ok 74075 CDT
Squipt.: Pioneer TX-9100 modified IF, Stereo Probe 9 up 32' with rotor, RG-6 coax
9/14 gm

1100 kTHk 94.1 OA Okmulgee-Tulsa, ID, \$, ex 94.3 Oh no, not again, but another small town near Tulsa has lost its FM station so it can go up in power and claim Tulsa. The new signal comes in much stronger here than the old one on 94.3.

Well, hopefully the fall trops will come on strong and not just mainly show up during the wee hours of the morning. Looks like the skip season has limped to a conclusion. Best 1-day season I've ever had, with 19 new loggings 5/28 & only 13 more for June & July combined (August is working on a shutout). There were several days with high MUF's which immediately fizzled out. Shouldn't complain too much, though: what I did get included some pretty good catches for distance. In all, as strange a season as '86, when 5/18 was a big day, the next opening worth catching was 7/22, & August was the big month!

As usual, underlined means new; @ means new to Antioch; dashed underline means new mode.

0 // /00 m

TIME	CALLS	FREQ	ST	CITY	7/6/90 Es		
6/23		S			0900 KRAV@ 96.5	OK	Tulsa
1830	KEBC	94.7	OK	OKC	0902 KANZ 91.1	KS	Garden City
1858	KANZ	91.1	KS	Garden City	0905 KCEV 88.3	KS	Wichita
6/24	/90 E	5		**************************************	0909 KOSU 91.7		Stillwater
1807	KLNE	88.7	NE	Lexington	0923 KWEN 95.5		Tulsa
1813	KHNE	89.1	NE	Hastings	0924 KNID 96.9		Enid
1820	KZMC@	105.3	NE	McCook	0931 KXLS 99.7		Alva
1821	KQKY	105.9	NE	Kearney	0939 KFXX? 106.7		Hugoton
1830	KOKSØ	104.3	CO	Longmont	7/8/90 ES	14.5	nagocon
1832	KSYZ@	107.7	NE	Grand Island	1658 KESD 88.3	SD	Brookings
1839	KTCL	93.3	CO	Ft Collins	1659 KTSD 91.1	SD	Reliance
6/28		S			1732 KSJN 91.1		St. Paul
	KTSD	91.1	SD	Reliance	7/9/90 ES	1114	oc. raur
	KRSW?	91.7	MN	Worthington	2213 KELI 98.7	TX	San Angelo
	KTWB	101.9	SD	Sioux Falls	2220 KIXY 94.7	"	" "
	KMIT	105.9	SD	Mitchell	7/11/90 ES		
	KORN	107.3		"	1359 KCUR@ 89.3	MO	KC
	WCAL	89.3	MN	Northfield	1402 KQNS@ 95.9	KS	Lindsborg
	KISD@	98.7	MN	Pipestone	1402 KCAY@ 95.9	KS	Russell
	KKLS	104.7	SD	Sioux Falls	1403 KHAZ 99.5	KS	Hays
	KESD	88.3	SD	Brookings	1405 KSOF 91.1	KS	Wichita
	KMIT	105.9	SD	Mitchell	1407 KHCD 89.5	KS	
7/1/			00	MICCHEIL	1411 KGLS@ 93.1	KS	Salina
	KELI =	98.7	TX	San Angelo	1416 KRBB 97.9		Pratt
7/4/				Sall Mildelo	1420 KZMC 105.3	KS NE	Wichita
	KFAS	105.5	AZ	Casa Grande			McCook
0111	E		ne	Casa Grande	1424 KQK5? 104.3	CO	Longmont
1051	KEBC	94.7	OK	OKC	1426 KRKS 102.9	KS	Hutchinson
	KOSU	91.7	OK	Stillwater	1433 KYQQ 106.		Arkansas City
210 CT (CT (CT (CT (CT (CT (CT (CT (CT (CT	KNYD	90.5	OK		1440 KEAN@ 105.1	TX	Abilene
7/5/9			UK	Broken Arrow	1507 KXKL@ 105.1	CO	Denver
	KNOX@	94.7	ND	51 F 1	1508 KJFK 105.		Perry
	KYCK?	97.1		Grand Forks	1509 KXKL 105.1	CO	Denver
			MN	Crookston	0.220 (120 (120 (120 (120 (120 (120 (120 (
	CKIS CBW?	97.5	MB	Winnipeg	7/12/90 ES		
1923	CBW:	98.3			1719 KGRD 105.		Orchard
1004	KOUDO	00 0	****		1727 KXNE 89.		Norfolk
	KQWB@	98.7	MN	Moorhead	1728 KTSD 91.1	SD	Reliance
	KZZY@	103.5	ND	Devils Lake	1738 KPLO@ 94.5	SD	
1929	CBIGG	91.5	BC	Prince George	1739 KKMK 93.9	SD	Rapid City
2002	GUTG			200 E	7/18/90 ES		
	CKIS	97.5	MB	Winnipeg	1918 KCHX 106.7	TX	Midland
	KCGM?	95.7	MT	Scobey	1920 KBAT 93.3		
7/6/9		_	1200		1925 KIXY 94.7	**	San Angelo
	KMML	98.7	TX	Amarillo	7/19/90 ES		
	KZEN@	100.3	NE	Central City	1910 KZNA 90.5	KS	Hill City
	KUNC@	91.5	CO	Greeley	1931 KKFM 96.5	CO	Colorado Spr.
	KTLS	93.3	OK	Ada	1934 KNIC 105.7	CO	Lamar
	KLTE?	101.9	OK	OKC	1940 KFXX 106.7	KS	Hugoton
	KREK	104.9	OK	Bristow	1943 KCCY 97.9	CO	Pueblo
0820		105.7	OK	Healdton	7/20/90 ES		
	KWDQ	102.3		Woodward	1859 CKSB8 99.5	MB	Brandon
	KRXO	107.7	OK	OKC	1905 CBWV 97.9	**	
0833	STATE COLUMN TWO COLUMNS CO.	103.7	OK	Anadarko	7/22/90 ES		
0834		99.5	OK	Henryetta	0948 KNFM 92.3	TX	Midland
	KSCB@	107.5	KS	Liberal	7/27/90 MS		133375
0853	KRXO	107.7	OK	OKC	0243 KINN@ 105.5	NM	Alamogordo
-							

October 1990 Cutoff 7-1-90 Deadline Nov 5 1990

The big news is Tropo...And to say it was good is a understatement! Uncommon paths inland over mountains has been common. During one recent opening (which will likely be covered in 'future VUD DX columns) had a FM Dxer from NJ logging SC on tropo while a CT DXer is receiving K.Y...and while all this is going on a strong Toronto opening was in progress to NJ DXERs both on TV and FM, at this same time DX-ers from the Buffalo area were logging deep into Tenn!

In this issue: Seybold logs Ch 14 from O.K....Fela logs 453 miles to NC.....Falconer 575 mi to MO.....Combs 452 mi to MS......Coniglio logs 691 mi to MO and even over the mountains into Tenn at 595 miles...Your ETVDX editor even got in on this with 380 miles to Ohio.

Before I get to the reports, I just must mention that what I've heard speaking to other DXers about what they received....is most astounding, OK here is a sneak preview for next month.....
How about K.Y. on UHF to the East Coast? Yes it happened! It has been a good year.

Jeff Falconer Box 63 Clinton Ontario NØM lLØ Equip; Icom R7000, 25 el LP at 25', rotor.

		9	
	A		

Ju	ne	1990														
10	Es	1331	KNOP 2 NE 993	4	Tr	0100	WPTA	21	IN	256	19 ES	1500	KBTX	3	TX	1201
15	Tr	2350	WOAC 67 OH 186			0101	WITE	28	OH	249		1558	KDTN	2	TX	1130
		2352	WGGN 52 OH 166			0106	WSFJ	51	OH	257		1600	KDFW	4	TX	1130
		2355	W66BV MI 118			0107	WANE	15	IN	256		1619	WBRZ	2	LA	1060
16	Tr	0006				0117	IMXW	17	MI	214		1622	KXAS	5	TX	1130
	2.0		WSFJ 51 OH 257				WTVO	17	IL	399	27 Tr	0021	WANE	15	IN	256
		0046				0129	WCGV	24	WI	324	August 25th	0224	WHOI	19	IL	462
		0050	W41?? OH	6	ES	2200	WTWO	2	WY	1248	Tr	0233	WICS	20	IL	487
		0000				0308		17	MI	214			WAND		11	454
			board w/b mx.Had a map					28	ОН	249			WNDU	16	IN	277
			of Ohio Rte 6 & Lk Erie			0341			ОН	263			WSBT			277
			shore.(How about W41AP			0.0	UNID					0252	WCIU			334
			in Sandunsky-BN)							Spree			WISN			325
17	Tr	0030	Ft Wayne/So Bend UHFs			0434	WHAS			427			WOTV		MI	213
		1858				0500				275			WAND			454
20	Level		WDSU 6 LA 1050		FS	1547				1050		1020	stil			
27	FC	1728			40		WESH		FL	1011		2257	WHSL			574
	LJ		WPBT 2 FL 1218				KSNC		KS				WHME			275
30	EC		UNID-SS (what channel?-BN)				KSNW		KS				WICS			487
30	LJ		WEDU 3 FL 1087			2303	// K		113	320			KDNL			575
			WPBT 2 FL 1218			2306	KLBY		VS	1068			TR RE			
The	T.		WFD1 2 FL 1210				KJRH		OK		26 Tr					377
ou 1		1990	K 3011 2 OK 014	7.7	r.c					1428	20 11	0003	WIID	0.5	TIV	3//
- 1		1216		313	ES	1900	(KKTO				Nice T	r to K	Y on Fl	M Jul	y 8	th but only
4	ir	0050		7.0	rr	25.40			ea a	s KNMZ	WHAS o	n TV,	but I'	11 ta	ke '	it hi.
			WDJT 58 WI 324		ES			2								
			WOAC 67 OH 186	19	ES			2	-	1050						nost of the
		0058	WPTD 16 OH 186			1459	KENS	5	1 X	1353	openin		M, goo			m res

(I screwed this up Hi! Sorry Jeff! Thats what happens when the editor anwers phone calls and breaks concentration when typing this up...Hi! Heres what I left out on the above!...July 27 Tr 0028 WPTA 21 IN 256 0030 WKJG 33 IN 256 0031 WFWA 39 IN 256 August 4 ES 1200 MUF CH 2 Aug 10 1708 WBRZ 2 LA 1060 1913 WLBT 3 MS AUG 25 TR KLJB-18-IA-479- Sorry about that....S--- Happens! Hi!-BN)

Bob Seybold 10567 Bennett Road Dunkirk NY

There has been some good trops lately, erspecailly Aug 25-26 when there was a super opening.

August 15-23... A little e-skip in this period mostly into the Dakotas-nothing super. sometrops in this period mostly late evening and early morming- mostly low level signals- Some seen were: Scaranton 16-22-38-44... Wilkes Barre 28: MLYH 15: Philly 57: Hershey 33, York 43: Washington 20: Montreal 35: Hull 30: Ottawa 24: other Ontario U's on 15-18-40-32-38-34-55-42-44-45: 20 (Wiarton) also Cadillac 9: Sault Ste Marie 10 Owen Sound 12, Sundury 5, Traverse City 7, Anumber of openings to the north only.other directions poor or none.

(See next page for the rest of Bob's report-BN)

Bob Seybold continued

August 25 -trops-noted band opening in morning slightly ,- then gaining stength in the afternon (Chicago U's) and reaching super status in evening-going all night into the morning with super signals much in the 300-1000 mile range, stations seen: Oklahoma 14: WPTO 14: Evanville 14. Champaign 14 (low power), Ft Wayne U's: So Bend U's(strong) Elkhart 28: WICD 15: WTAP 15: Louisville 15: Joplin 16: Kettering 16: WQEX 16: WTJR 16 (quincy ILL: Decatur 17 super over local 17); also Decatur 23: Marion, Ind 23: Missouri 23: St Louis 24: Michigan City 24: Peroria 19-25-31 & 47: WEYI 25: WICS 20: Indianapolis 20-40-59: Bloomington --Ind 42 & 63: Chicago 20-26-32-38-44-50 & 60: Joliet 666: WYIN 56 (Gary Ind); WLFI 18; Kokomo 29 Columbus -28-34-10: WLEX 18: also 27 & 36 Lexington: Marion Ill 27: WBGU 27: Kansas City 41 & 50: Omaha 42: Springfield. MD 33: KDNL 30 (in for many others) Louisville 32 & 41: WAMI 17: WBNA 21: Dayton 22 & 45: Cincinati 48 & 64 : WUHQ 41 Owenston: Kent 52; Newark 51: Charelston, II1-51 (new) ; St Louis 46(new) -58 ST Louis (Juke Box music); Indianapolis 47 (same) both new: Sprinfield Ohio 26: Chicolotte, Ohio 53: Mt Clemens 38, Terre Haute 38: Muncie, Ind 49: Richmond Ind 43: and several UNIDS V's low and high band loaded evening- Kentucky U's, and Tennesee 39: Rockford 39 in also plus some left from earlier in the day .

August 26 AM-Lexington 27 & 36: Cincinatti 48, Dayton u's, Columbus, Sprinfield, Ohio, Kettering, Ohio: Louisville 15 & 32- Elmira U's, Scranton 22.....thats all for now, expect trops to continue. 73, Bob

Robert Ross Box 4373 Stn C. London Ontario N5W 5J2

July 1990 21 Tr 0210 CIII27 27 ON

22 Tr 1054 WQHS 61 ON HSC-ID + phone #

August 1990 12 Tr 0230 CBC 30 ON-?? End of movie. CBC-TV ID Lists of CBC stations on screen.National anthem s/off 0235..//to 40/45

27 tr 0300 WBNS 10 OH 0340 WHIO 7 OH Test pattrn & ID

Equipment-Toshiba portable, FM Beam for VHF, flyin arrow for UHF

Tom Bryant 849 Todd Preis Dr

7 ES 0959 KBME 3 ND 1022

Nashville TN 37221

August 1990

10 ES 2059 KFOX 3 TX 675

Note: Ugh! Regards Tom

Joseph Fela -150 Robert Place - South Plainfield, N.J. - 07080

Equipment: G.E. monitor, Antennacraft P-7 dish @ 35 ft., Winegard PA-4975 amp, rotor. 30 Tr 0117 WNUV 54 MD 146

August 1990 29 Tr 2200 WTKK 66 VA 206 2356 WFPT 62 MD 178 MPT net ID

30 Tr 0006 "WEXP"27 NJ 20 (see note #1) 0013 WTWS 26 CT 132 0025 WHMM 32 DC 180 0048 W54AY 54 NY Brownsville, N.Y. // to W44AI

0129 WRLH 35 VA 264 Uses Fox 35 logo in lower left SEPTEMBER 1990 1 Tr 0045 W46-- 46 PA 56

(See Note #2) (t-WGBS-57) 0101 WENY 36 NY 162 0103 WFTY 50 DC 180 0536 WKFT 40 NC 453

1 Tr 0539 WUNK 25 NC 378 NCPT over color bars 0540 WUNP 36 NC 334 Same color bars but call/location superimposed at times at bottom of screen 0655 W27AJ 27 DE 113 Dover, DE (t-WMDT-47)

0656 WMDT 47 MD (thru Tocal WNJU) 2200 WCNY 24 NY 189

Note #1. This is a test of HDTV by Stevens Institute in Hoboken, N.J. Very low signal strength indicates extremely low power. Programming consisted of a tape of a graduation at Stevens with a message scrolled at the bottom of the screen giving calls as WEXP-TV-27 and WEXP-TV-28 (not seen) and experimental license 881007KQ. Blonder Broadcasting given as licensee (and Mr. Tongue is listed as a consultant). Note #2. I thought this was some sort of spur until I was informed it is a translator, located in Allentown, on the WFMZ tower.

After 17 years of inactivity on UHF, I'm back thanks to the local cable company who dropped the last Philadelphia signal earlier this year (I think it might be time to drop the cable company....). I decided to put up a serious UHF antenna/amp and although I do get various degrees of overloading, I plan to leave it as most of the problems sign-off at or within an hour of Midnight and do not have early sign-ons. With this system there is almost constant scatter from Scranton 16-22-28-38, Binghamton 34-40-46, Elmira-36, and Syracuse-24. Wish I had this system up during the July 3-4 super trops. 73's Joe

Eastern TV Dx

William R. Hepburn - 1211-1547 Mississauga Vly - Mississauga, ON L5A 3X8

28 Tr 0558 WTJC 26 OH 340

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

July 1990 18 ES 2052 MUF-4 20 ES 2050 MUF-88.9 26 Tr 0149 W32 32 ? UnID

1616 MUF-4

0601 unID 22 w/MuchMusic August 1990 2 ES 2056 MUF-4 (Jukebox Network) 4 ES 1303 MUF-4 27 ES 1515 WPBT 2 FL 1220

9 Tr 0613 WUPW 36 OH 260 \$ 0715 W43 43 ? (WNW0-24) 10 ES 1758 WEAR 3 (AL) 1000

1802 MUF-4

Comments: Yet another Jukeboxer..this one on 32--ID had a list of 6 LPTVs/xltrs--Possibly from the SE. ES overall rather slow in July. Tropo on a slide as well, 5 stations noted so far w/SAP Prama..WKBW-7 WXXI-21 WVIZ-25 WNEO-45 & WFYF-50.

John F. Combs (N4SFS), 1308 Willow Branch #24, Jacksonville FL 32205 UKGUST 1990 12 Es 20091 unID-2 PBS to NW probably KUSD, but too much TrS on chann (904) 389-2451

12 Es 2009] unID-2 PBS to NW probably KUSD, but too much TrS on channel
15 Gw 0715] W38AJ Jacksonville FL w/VJN //W10AX...a lousy way to log UHF #200, but they
soon bit the dust (see details below)

[Tr 1515] Wilmington U's (334)

[Tr 1515] Wilmington U's (334)
 [2143] Columbis U's
 [2257+] W.JPM-33 SC, WKFT-40 NC (392), WGNT-27 VA (540) + weak NC/SC tentatives
[6 Tr 0630-0700] Most SC U's, Raleigh U's (408-413), Charlotte/Concord U's (342-346),
 Fayetteville U's, WGHP-8 NC (394) w'Good Morning, Piedmont," WFMT-2 NC (398)
 w'it's own "Good Morning Show," WNRW-45 NC (425), WGGT-48 Greensboro NC (398)
 for my first logging on ch. 48, WLXI-61 Greensboro NC (414) awfully weak, but
 there! Hated to go to work at 0700, but it pays for DX equipment, hi...
 [1515] Wilmington U's
 [2000] WTCE-21 Ft. Pierce FL w/regular TBN pgmg now--note corrected calls from last
 report; also Columbia U's
[10 Es 1215-1230] KSNC-2, KSNW-3 KS noted during lunch break

fig Tr 22451 Columbia U's 14 Tr 22451 Columbia U's 15 Es 2100+1 CBFT-2 PQ in beautiful color; MUF at least ch. 5 at times 17 Tr 0850-09451 Macon, Columbus, Atlanta all great; WSST-55 Cordele GA (2nd time ever logging this "glorified LPTV"); WNGM-34 GA; Panama City, Fort Walton Beach teriffic (WPAN-53 solid until ID time, of course...); WHLT-22 MS (452) in with no sign of Biloxi, Meridian, etc.; Birmingham U's (370-372), WCFT-33 AL (392) nice solid color ID, taped; also WSWS-66 AL and some Mobile/Pensacola U's

[18 Tr 01451 West Palm Beach U's [21 Tr 0855+] weak SC U's

Two very nice tropo openings highlighted an otherwise dull August. Very strange stuff--- I shouldn't be seeing Greensboro, Hattiesburg, or Tuscaloosa in the middle of August! Maybe an omen of a good fall tropo season, at least I certainly hope so!

The strange saga of W38AJ: the thing came on running //W10AX, relaying its IDs. A couple of days later, both stns running dual 10/38 IDs. Next evening, heavy WLCY-10 CCI on W10AX also noted on 38, indicating off-air pickup. W38AJ went dark shortly thereafter and hasn't been seen since! (I hope they are dead rather than merely ill as 38 is a prime DX channel here!) I can't fathom why VJN needs 2 affiliates in the same market, except that 38 seemed destined to serve the southside of Jax, where W10AX signal is worst (not that it's very good anywhere ...)

I've been trying to find some nearby spots for camping DXpeditions that would fall within the 50-mile equilateral triangle rule for using a common log. I had already settled on Gold Head Branch State Park (near Keystone Heights) as a potential summer Es spot to distance myself from WJXT-4. Two prime Atlantic coastal spots, Ft. Clinch (at extreme northeast corner of the state) and Little Talbot Island (a bit farther south, near Mayport Naval Station) would fall outside such a triangle if both Gold Head and my home QTH are to be included. However, Anastasia State Park (near St. Augustine Beach) just barely makes it and would still be a good spot for hunting Atlantic trops farther than Portsmouth VA, which has always seemed to be the site of a wall beyond which no DX is possible from FL!! Roy Barstow does it from the other end; if I can get right on the coast during such an opening, I stand a better chance.

Only 3 more newies will enable me to hit the magic 400 mark! (As long as it's not 3 more local LPTVs!!!) 73, JOHN.

Eastern Tv	Dx										00	cto	oer 19	190			
Matt Sittel	PO	Box 21421	501C	W	000	Hal'	, NCS	U	Ra	leigh NC	27607	7	919-54	6-9370)		
June 1990																	
20 FC 1211	TV 6	3 CUBA		Q	EC	16/18	KAMR	Λ	TY	1083	18	ES	2002	KOTA	3	SD	1209
30 ES 1211	100,000,000	2 FL 735		O	LO		KFOR	4		839	10		2020				1038
1230	17.0						KCET		OK-	794	19	FS	1657	KGBT			1146
	KENW	3 MM 1210					KDLO		SD	982			2059	KXJB			1065
July 1990 1 ES 1159	PRILL	3 MN 868				2138			ND	1065	21		1935		2		
3 ES 2058		3 CT 634					CBWFT			ON 1098	-			UNIDS		&	4
4 ES 0959		3 KS 1039					KDLH	⁻ 3		868	22	ES	1138	UNIDs	2		
	KCNC	4 CO 1259		q	FS		KENW		NM	1210			1059			FL	The second second
	KLBY	4 KS 1044					KSWK		KS	1039	2.0			TV6	3	CUI	BA
6 Es 1859		4 TX 1083			20		KCNC		CO	1252	31	ES	1558	KIII	3	TX	1069
0 E2 1033	KACV	2 TX 1116					KLNE		NE	955		1,755	1559	KMID	2	TX	1165
2152	WCCO						KDUH		NE	1172			1657	KATC	3	LA	721
	KFDX						CHSJ		NB	1048			1700		4	TX	1146
	KIII	3 TX 1069					KPRY		SD	1062			1716	KRIS	6	TX	1065
	KJAC			15	FS		UNIDS		100000					KBTX	3	TX	877
	KPRC			17	ES		KUSD	2		929			1731	KPRC	2	TX	888
7 ES 1005				55	-		KMTV		NE	800			1747	KJAC	4	TX	791
	KACB	3 TX 1077		18	ES		KIII		TX	1069			1800	KTBS	3	LA	700
	KENW			-	-		KFDX		TX	922			1810	KACB	3	TX	1077
	KGBT	4 TX 1146					KGBT		TX	1146			1826	KDFW	4	TX	864
	KBTX	3 TX 877					KGAN	2	IA	643	Au	gus	t 199)			
	KLBY	4 KS 1044				12.00	KIMT		IA	650			2328		6	WV	90
	KTAL	6(LA) 697					KDLO		SD	982		ES	2345	KGFE	2	ND	112
1541	WCCO					1947			CO	1142		2000		KBME	3	ND	117
	KDFW						KPRY		SD	1062							
	KINE						KUSD		SD	929							

In addition to the above, UNID Es was seen into early August 8th, As well as on the 12th & 15th of August. Not much E-skip seen in August : I was hoping for at least one big opening. No big trops noted in Raleigh yet. 73s Matt.

Je	ff	Wolf	1131 1	Jniv	/er:	sity Blvd	₩,	Ap	701	Silve	er S	spri	ng MD	20902						
Ju	lv	1990																		
		0720-	+WYED	17	NC	248	4	ES	1134	KJRH	2	OK	1031	12	Tr	1033	WYED	17+	WKF	T 40
			WKFT	40	NC	265			1137	CUBA	2	t				1500	-2320	WYE	D-1	17
28	ES	1840	CUBA	3	t				1145	NBC	3			16	Tr	0755	WUND	2	NC.	t
		1900-		3					1200	KOET	3	OK		17	tr	0659	cci-	16, W	IYEL	3-17
		2241		2					1228	ABC	3			18	Tr	0701	NC16	-22-	-28-	-40
29	FS	0827		2					1230	WBRZ	2	LA	950				WYED	17	NC	248
60.00		1642		2					2212		2						W34A	X	NC	202
30	Tr	1922		45	ОН	÷	6	FS	1915	CUBA	2	t				0753	UNID	23	+ (or -
		t 199		1.00	911				2105		2					0759	WPDE	15	SC	349
		2130		3				- 5	2336		2	-				0948	WTVD	11	NC	246
-	20		KDTN	2	TX	1164			2350	200	3			19	Es	2228	WPBT	2	FL	900
Λ	Tw	0248		-	0.00	251	8	ES			3						CUBA	3	t	
7	1.1		WPDE			349	0			fade		te				2234	CUBA	2	t	
		0703	WKFT		NC	265	10	FS		KJRH			1031	20	ES	?2055	CCI	2		
		0704	WYED		NC	248	10			KFDX	100		1225		10000	2300		A 10 CO	PA	
		0704	WRDG		NC	251			1919		200	LA	2 440 000		3.16.			0.55		
		0711	WBRA	130		+			2037	(10 m)	3	w/h								

Rich Shaftan 39 Old Middletown July 1990	Rd Rockaway NJ 07886		
2 Tr 2104 UNID 29 cci-Albany	8 ES 1727 KLNE 3 NE	15 ES	2230 KOET 3 OK
4 Tr 0643 UNID 19 w/religion	2212 Hawii 5-0 on ch 3	18 ES	1859 WLBT 3 MS
0715 UNID 23 -Altoona?	ES 2259 KLNE 3 NE		1938 UNID 3 ??
(maybe Akron-BN)	2329 ch 31 & 21cci		interview w/John Cloud
6 ES 2010 KMTV 3 NE	maybe Rochester NY		Dept. of state.
2100 KYTV 3 M0	12 ES 2156 WPBT 2 FL over WCBS		2000 KOET 3 OK
KARD 3 KS	14 ES 2334 KDLH 3 MN	19 Tr	0906 WNAC 64 RI
8 Tr 0938 WBOC 16 MD-s/f	2334 UNID 2 Thunder Bay		2048 UNID 23-Albany?
ES 1700 WBRC 6 MS	15 Tr 1003 UNID 36 w/religion-Elmira?	28 Tr	1531 WCDF 28 MA?? (Ihave no idea-BN)

See next page for the rest of Rich's report

Eastern IV DX		October 1990
Rich Shaftan continued	August 1990	
7 ES 0913 MUF 3	5 Tr 0118 WWLP 22 MA -s/f	5 Tr 0130 Heavy cci 2,4,5,6

May 1990		July 1990
30 ES 2310 MUF 90.9 FL	10 ES 1434 WESH 2 FL 852	3 ES 2311 WCBD 2 SC 642
31 ES 2300 WEAR 3 FL 890	20 ES 0926 KBTX 3 TX 1160	2316 UNID 3 tempature
June 1990	0928 UNID 3 w/Art Jones	for Raleigh -WWAY?
1 GW 1700 W40AG NY 1	0930 KTIV 4 IA 837	4 LS 2310 CKVR 3 ON 129
ES 1815 WPBT 2 FL 1047	25 ES 2000 MUF 3	2315 CIII 2 ON 117
2 ES 1230 KFYR 5 ND 1016	26 Tr 0014 WWNY 7 NY 115	5 ES 2200 KUSD 2 SD 858
1245 UNID 3 CBC french	28 ES 0900 WBRZ 2 LA 1008	6 ES 0830 WBRZ 2 LA 1008
show "Le Vagabond " not Ouebec	0905 WLBT 3 MS 879	1945 KOTV 2 MO 786
3 ES 1300 KTBS 3 LA 995	1012 WREG 3 TN 758	2015 WBRZ 2 LA 1008
2100 KJRH 2 0K 956	1014 KARK 4 AR 858	
8 ES 1745 UNID 2 Donahue	1025 WMC 5 TN 758	
9 ES 1200 UNID 2 Lassie follows		W40AG Channel America now on
NBC Saturday cartoons	1230 KTCA 2 MN 683	the air, though this station does
10 ES 1200 KGFE 2 ND 891	Tr 1945 WKTV 2 NY 120	not appear on network ID list on
1405 KNOP 2 NE 1052	17 17 10 MILT E III 1E0	the hour.not as strong as LPTV 15
MANAGE AMARIAN PARTIES AND		& 38 on Pinnacle Hill, xmtr maybe elsewhere.

			There is a	occord 1 cp	01.6.11	On On	ii cii	CCI	T chhen nh n	E 12	COL	G-DIA)		A PAGE	on me	
July 19 19 ES 1 26 Tr 0 27 ES 1	90 500 K 900 C 550 U	PRC 2 BLT 5 NID 2 NID 3		August 11 Tr	1990 2100 2200	WFYF WNPE WNPI	50 16 18	NY NY NY	100 100	11	Tr	2225 2320	CBLFT CICO CIII	44	ON ON	78 78
			TO THE STORY OF THE STREET						nic? (dunne	-PM	1					

65 stations logged, 41 verified. W38AW is still running 24 hr test pattern. W40AG (Channel America) does not yet show Rochester on hourly list. 40's signal is much poorer than 38 as I have observed it on other TV's around the city.

Greg Coniglio 5100 Glenwood driv	e Wi	11i	amsvi	lle NY 14221	-	
July 1990						4
20 ES 2000 KBTX 3 TX 1282	15	ES	2130	MUF 2	28 Tr	Detriot s/f at 0830
2030 K0ET 3 OK 1046			2300	Detriot strong, Toledo		0818 WLLA 64 MI 345
22 Tr 0929 WCFE 57 NY 285				SW.Ontario Ft Wayne	31 Tr	
+Utica,N.E.Ohio				Cleveland	ma	0815 CKC04 J1 ON 160
26 Tr 2300 W40AN NY 57	19	Tr	2000	WWTV 9 MI 348		o/CHCH & CKWS
Channel America Rochester			0040			0820 CJFP 35 PO 315
27 Tr 0600 WUPW 36 OH 255			0102	KMTV 3 NE 884		Ft Wayne, NE ONT
so strong it was	25	Tr	PM Cle	veland,Detriot,Ill on FM		+ Detriot
coming in all the				AT DX TO COME!!		2330 WGGN 52 OH 224
to Ch 32!! (!!!-BN)	26	Tr	0016	WEHS 60 IL 496		Toledo,SW Ont
+Ft Wayne U's				WCIU 26 IL 464	SEPT	EMBER 1990
27 ES 1630 WEDU 3 FL 1080				WICS 20 IL 604		0630 DetriotToledo-s
AUGUST 1990				W46?? IL 665		Ottawa, Montreal up
7 ES 1200 KSWK 3 KS 1220				E.St Louis HSN	3 Tr	0930 WGXZ 32 WI t
9 Tr 0815 K66BV MI 232				(I have no listing for it-		1900 WWUP 10 MI 360
Univision Detriot			0144	WWT0 35 IL 544		NEW VHF record-s/f
11 Tr Sandusky 52 Ohio,Cleveland			0245	WHOI 19 IL 580		1940 WWLF 56 PA 200
Toledo,Ft Wayne,Windsor				WAND 17 IL 570		2200 WETK 33 VT 293
WHME 46t IN all at 0800+			0339	KBSI 23 MO 691		Many other tentative from
1200 W44AG PA 94				NEW TR Record/TV		WVNY-22-VT to WZTV-17-TN
Erie TBN v/strong			0700	WCFC 38 IL 464		and WGBS-57-PA!
35,24 Erie Imaging 54 & 66-s/f			1400	WTVQ 36 KY 458	4 Tr	0100 WDLI 17 OH 206

Greg's report continues on the next page

Greg Coniglio continued

Sept 1990

4 Tr 1030 WBSX 31 MI 260 4 Tr 0730 Scranton strong 4 Tr 1715 TVO channels 22-s/f,cci on 57 over CITY 42 & 55 North 0938 WJRT 12 MI 248-s/f Other Michigans-ONT.-s/f LOCAL! 0837 WDTV 8 MI 349-s/f DetriotFlint, lansing 1720 CBOT 33 ON 170 0845 WWMT 3 MI 347 area..VERY STRONG MacArthurs Mills Detriot 2 & 4 way 1100 WBAK 38 IN 508 51Tr 0115 WCTE 22 TN 595 over buffalo (!-BN) 1400 33 & 22 VT tent WXYZ-7-MI way over

local WKBW-7 (wow-BN) It was great meeting all of you at the convention; I really enjoyed it. Mike & Shirley Wimer did a excellent job as hosts, back home, trop has been amazing; the best I've seen. The early morning hours of August 22 bought skip & trop to the same areas on FM! (Now that really is healthy DX!-BN) The 26th bought my trop record on UMF; 691 miles to Cape Girardeu. It was breifly able to override the other 23's in (none of them ID-ed!) More on this late breaking opening later... Hope September brings hot trops everywhere! 73 Greg

Keith Pugh 227 Martin St New Hope AL 35760

Equipment; RCA Color Trak, VHF rabbit ears, R.S. PRO 2004, 27 MHZ ground plane

June 1990 I ES 1313 KDUH 4 NE 1080 19 ES 1638 KNAZ 2 AZ 1400 25 ES 1700 KKTO 2 NM 1100

27 ES 1241 WBAY 2 WI 685

11 ES 1350 KWGN 2 CO 1080

1407 KSNC 2 KS 755

1543 KCNC 4 CO 1080

11 ES 1607 KOAA 5 CO t 1936 KCNC 4 CO(again) 19 ES 0959 WPBT 2 FL 702 1026 KKTO 2 NM 1100 1029 KENW 3 NM 950

1200 KYCU 5 WY 1120 1430 KWGN 2 CO 1080 1431 KSNC 2 KS 755

22 ES 0918 KKTO 2 NM 1100 26 ES 1259 KBME 3 ND 1140 27 ES 1159 XHRIO 2 TAM 890 29 ES 1538 UNID 4 MX-ss

AUGUST 1990 2 ES 1100 KKTO 2 NM 1100 1346 KWGN 2 CO 1080 2327 KTWO 2 WY 1220

That dude from Joisey (The Editor) PO BOX 2999 Clifton NJ 07015-2999

September 1990

JULY 1990

3 GW 1720 "WEXP"27-881007KQ Hoboken NJ 9 miles experimental station testing HDTV.

1725 W28AJ W. Haven CT 55 miles Video Juke Box 4 Tr 0000 WXXA 23 NY-155 + Avg Trops to N.E. But soon its gets real good! Toronto on FM a lot of UNIDs to the NW; mostly weak sync bars.and this was around 2100.

5 Tr 0030 WNNE 31 YT-185-snow free! New England U's OK. 0130 WAKC 23 OH 384 my farthest uhf to date...0200 WOIO 19 349 good enough for taping on my VCR!

9 Tr 0650 WSKG 46 NY ID/W/CB-155 0700 Boston U's 0730 WVNY 22 VT-265...0800 WETK 33 VT-265 10 Tr 0055 WCNY 24 NY-202 ID with 3/4 CB

Equipment; Radio Shack Top of the line UHF only antenna, Winegard 4990 amp,R.S. rotor,cheap coax, Teknika TV tuner, Scott VCR, Quasar TV. R.S 6 element FM ant for VHF.

Comments; After setting up my modest system I was shocked to see what came in! Ohio and Vermont! States that I gave up at Highland Ave, and stuff that I thought i wouldn't ever see much, is common here on Ackerman Ave. The stuff I get snow free all the time is...WTXX-20-CT, WTBY-54-NY...Watchable but not s/f are...WCDC-19-MA WTXF-29-PA...38 Scranton is better than 22 & 28. Common trops bring in Boston a lot plus Hartford and other CT U's. This area has definate potential! Actually I wasn't going to put up a UHF antenna for a while but after stopping by Joe Fela and seeing what he gets on UHF, well I was inspired to do some serious DXing again on UHF. If you are wondering...it is bad with images here with being so close to WNJM-50 and NYC, but the main pests do go off...(Thank God!) at nite so it aint so bad really. It seems my area favors the North East, so I think NH and maybe ME will Goodxina Bill

Editorial; It seems that I am the latest to be trashed in the "Feedback" column. Frankly I don't know why this person didn't write to me directly instead having it published in the VUD!!! That was a low blow pal!!!!! -BN

Station News; NJ has a new TV station; .. well sort of! "WEXP" ch 27 is broadcasting from Hoboken NJ and experimenting with HDTV as a experimental TV station. For details, see Joe Fela's report.

Fred McCormack Box 9077 Prairiewood Station Fargo, ND 58106-9077

Deadline: 11-08-90 Cut-off: 08-01-90__

Once again, a super column! For Midwesterners, DX was the tropo at the end of August. Jeff Kadet hauled in some more Colorado translators. Yours truly was stuck with nothing but a bowtie, but that didn't stop a few 500+ mile stations from showing up. It was indeed quite an event.

For the rest of the western reporting region, DX consisted of E skip and meteor skip, including some loggings at extraordinary distances. I believe Mike Cherry's meteor skip logging of KJRH-2 at 1670 miles is the longest reception ever attributed to meteor scatter in the pages of the VUD.

Welcome to new reporter Tim Cronin and to returning reporter Ronald Purdue who's loggings haven't graced these pages since December 1987. I hope we continue to hear from both of you, as DX warrants.

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

SO Sonora TA Tamaulipas CH Chihuahua CU Coahuila NL Nuevo Leon

CHA Channel America Network VJN Video Jukebox Network

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

RG-11 up 18'.

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

Aug	just	t 1990	24	tr	1030	WFIQ 3			tr	0212	WUTV	29 22		620 576
						(In all				0229	0.5550.500.5			310
8	tr	0125 W23AT 23 IL 188				Huntsv				0004	(Best	40		505
		(Mokena LPTV-VJN)				Chatta				0231		0.00	170111	
		1940 <u>WGKI</u> 33 MI <u>373</u>				W67AL 6		500			CFMT	47		610
10	tr	0148 KARD 14 LA 583			(East	tlake		-25)		0307				20.0
11	tr	0145 W20AG 20 WI 270					ON	505			(Hit			
		(Sheboygan LPTV-TBN)			2035						(0 kl			YI)
		0308 W43AV 43 WI 232			2127	4.4	7 ON	610			W17AI			222
		(Waukesha LPTV-CHA)) AL	520			umbus			-53)
14	tr	0035 W52AZ 52 IN 240			2138	CBLFT8	51 ON			0320	WDCA			720
		(Evansville LPTV)	25	tr	0100	WNAL 4	4 AL	520			(Best			
		("All News Ch")			0200	=WJSU 4	JAL C	545		0328	W21			
17	tr	0018 K62DA 62 MO 260			0206	CBLFT10	48 0	N455			nown			TBN)
		(Malden WREG- 3)				WATL 3	6 GA	575		(Ind:	danapol			
		0050 W65BF 65 TN 367				WVEU 6	9 GA	575		0347	@WWCP	8	PA	615
		(Memphis LPTV-TBN)			0215	CFPL 1	NO C	510		0356	W44	44	??	
		WLCNt 19 KY			0307	CIII41	41 ON	640		(Unki	nown	LF	-VT	TBN)
		1825 W65BV 65 IL 77			0355	CIII27	27 ON	685		(1	Clevela	nd h	nead	ing)
		(Springfield WSEC-14)				(//chs	22,29	1,41)		0402	@CBLN2	34	ON	460
18	tr	0001 @WQQB 40 KY 325			0404					0420	WGPT	36	MD	595
22		2315 =WNMU 13 MI 450				(// chs				0422	WVAH	11	WV	475
		0140 W30AL 30 IL 175			0425					0437	@WUSA	9	DC	725
		(Plano LPTV-CHA)			0435	CICA51				0442	@W15AD	15	WV	655
		0408 WWUP 10 MI 510					3 WV	455		(War	densvil	le V	NPB	-24)
		(ID with WWTV)			0503		7 NY	620		1000000	@W48AA			620
		0454 WLUC 6 MI 495			100000		9 TN	475		(Key				-24)
		0543 K41AD 42 IA 240			1945			500			@WNPB	24	WV	560
		(Lansing)			1343	Canada					eWLYH		PA	748
		(Putting WLAX-25				Chattan					@WNED	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NY	620
		video on ch 42)					3 WV	580			@WVIA		PA	775
24	4				2145		7 VA	500		2000	SWTOV		OH	515
44	UF				2235		9 GA	575			20107	-	411	200
		0345 &WLOS 13 NC 555			2235	MAEO O	5 UM	3/3						

PDT

Jeff Kadet (continued)	28 tr 0114 K40C0 40 IA 295 (Storm Lake KMEG-14) 0330 K155Q 15 KS 295 (Topeka religious) 0448 &WSBN 47 VA 500 29 tr 0759 unid ch 57 CO? (Fox-31 promo) 0809 K59AP 59 CO 625 (Bethune KUSA-9) 0830 KWHD 53 CO 770 0918 K69AX 69 CO 650 (Flagler KUSA-9) 0929 K67AQ 67 CO 650 (Flagler KMGH-7) 1018 K62AH 62 CO 625 (Cheynne W11s KKTV-11) K57AM 57 CO 625 (Bethune KMGH-7) 1018 K62AH 64 KN 365 (Rdwood F11s KMSP-9) 0235 W64AC 64 MN 365 (Rdwood F11s KMSP-2) 0239 K66BB 66 MN 365 (Redwood F11s KMSP-2) 0241 K53CH 53 MN 342 (St. Paul religion) 0250 KCCO 7 MN 426 0305 K68BJ 68 MN 365 (Redwood F11s KMSP-11) 0310 K62AA 62 MN 365 (Redwood F11s KMSP-11) 0310 K62AA 62 MN 365 (Redwood F11s KMSP-11) 0310 K62AA 62 MN 365 (Redwood F11s KCCO-4) 0320 K61AU 61 MN 390 (Granite F11s WCCO-4)	31 tr 0430 K48AH 48 MN 395
CONTROL VIEWS WHITE IN	(Storm Lake KMEG-14)	KARAA AR MN 315
26 tr 0536 W56CA 56 OH 409	0330 KIDBU 15 No 295	(VT2-VTQ DAMPH (C)
(Delaware LPIV-CHA)	(Topeka religious)	VESAD ES MN 315
0543 @WCHS 8 WV 495	U448 &WSBN 47 VA 500	(Ct lamps VADE-11)
0548 WETG 66 PA 555	29 tr 0/59 unia ch 5/ cu:	VEAAC EA MN 215
WTVEt 51 PA	(FOX-31 promo)	(St lamps WCO- 4)
(HSN 0 kHz-WSFJ)	0809 K59AP 59 CO 625	(St. James WCCC 4)
0654 &WSBN 47 VA 500	(Bethune KUSA- 9)	(Wanthington VCTD E)
0715 <u>K58CX</u> 58 KS <u>265</u>	0830 <u>KWHD</u> 53 CO <u>170</u>	(WORTHINGTON KSIP- 5)
(Lawrence KTKA-49)	0918 <u>K69AX</u> 69 CO <u>650</u>	K32AF 32 MN 313
27 tr 0108 Canada 40,41,48,	(Flagler KUSA- 9)	(St. James KSIP- 5)
53, 59, 64 TP's	0929 <u>K67AQ</u> 67 CO <u>650</u>	0435 <u>K69DA</u> 69 MN <u>420</u>
0129 W66BV 66 MI 405	(Flagler KMGH-7)	(Little Falls KSAX-42)
(Detroit Univision)	1018 <u>K62AH</u> 62 CO <u>625</u>	0502 K40BR 40 MN 395
CITY2 31 ON 525	(Cheynne Wlls KKTV-11)	(Willmar KIIN-29)
(WSBX noted off	K57AM 57 CO 625	0504 K44AD 44 MN 315
for first time)	(Bethune KMGH- 7)	(St. James KMSP- 9)
0239 W59 59 ??	31 tr 0230 K14AD 14 MN 395	0510 <u>K60AO</u> 60 MN <u>365</u>
(Unknown LPTV-CHA)	(Willmar KSTP- 5)	(Redwood Flls KSTP- 5)
(East)	0235 W64AC 64 MN 365	0521 @KCAN 8 NE 390
0241 W56CA 56 OH 409	(Rdwood Flls w/KGAN-2)	(w/KCAU-9 ID)
0243 W29AI 29 OH 475	(Normal KTCA- 2)	0522 K60AK 61 IA 230
(Akron LPTV-CHA)	0239 K66BB 66 MN 365	(Clarinda KETV-7)
0329 W50BE 50 OH 420	(Redwood F11s KMSP- 9)	(Putting KCAN- 8
(Mansfield LPTV)	0241 K53CH 53 MN 342	video on ch 61)
&WCCRt 18 NC	(St. Paul religion)	0529 K40BU 40 MN 315
(unid res TP)	0250 KCCO 7 MN 426	(St. James Family Ch)
0350 +WCNC+ 36 NC	0305 K68BJ 68 MN 365	0541 @K54AT 54 MN 440
0404 unid ch 32 past	(Redwood Flls KARE-11)	(Brainerd KVRR-15)
(CR TP no TD	0310 K62AA 62 MN 365	0601 @W64AC 64 MN 365
PTC MYSTERY)	(Redwood Flls WCCO- 4)	(Redwood Flls KTCA- 2)
0429 +WOAY 4 WV 537	0320 K61AU 61 MN 390	0602 @K57AE 57 MN 370
0440 WVVA 6 WV 556	(Redwood FITS WCCO-4) 0320 K61AU 61 MN 390 (Granite FITS WCCO-4) 0329 K69DP 69 MN 390 (Granite FITS KARE-11) 0350 unid channel 57 (KCTV from west)	(Olivia KTCA- 2)
0445 &WSBN 47 VA 500	0329 K69DP 69 MN 390	0610 @K44AE 44 MN 395
8WBRA 15 VA 608	(Granite Flls KARF-11)	(Willmar KTCA- 2)
&WBRA 15 VA 608	0350 unid channel 57	1900 W45AJ 45 IL 155
&WMSY 52 VA 549	(KCTV from uset)	(Rockford IPTV)
0625 KXON 35 OK 390	(NCIV II off West)	(nochioid Erit)

Lots of primo DX this past month. Included are furthest Canadian tropo (CKCO4-11 at 680 miles), furthest west tropo (KWHD-53, Castle Rock, Colorado at 770 miles) and furthest east hi-band tropo (WUSA-9 at 725 miles). Also got three new Colorado translators. I went through three rolls of 36 exposure film from the 23rd to the 29th and will send the better pics to PHOTO NEWS.

Was especially glad to get WUSA-9. I used to drive up into the mountains of western Maryland with my 9" AC/DC Zenith and a two-bay bowtie to see how far the DC's would get. WDCA often made it, but WUSA (then WTOP) seldom did. Wonder if any DC

area DX'ers got into this opening and, if so, how far west?

Here is my nomination for "Shortest Career of a TV Station" Award. On August 29, 1989 I had a color bar test pattern with ID (and photographed) from K69FN in St. Louis. Other than the test pattern, they ran a few snippets of a videotaped preacher. One year later, the station has not been seen since that one day!

Station total now at 1114. 73.

(Jeff, I believe your channel 21 TBN on an Indianapolis heading was W21AI in Portsmouth OH, your channel 44 TBN on a Cleveland heading was W44AG in Erie PA, and your channel 59 with Channel America from the east may have been W59AP in Ashland OH. What do you think? fm)

Mike Cherry, Box 631, Ganges BC VOS-1E0

(604) 537-5201

Equipment: See September 1990 Western TV-DX

Ju	lv '	1990					25	Es	1758	CFSS	3	SK	950	27	ms	0020	KCRA 3 CA 740
23	Es	1900	KIDK	3	ID	650			2100	KBME	3	ND	1075				(8 sec loc PSA)
	-		KTWO							KIII							\$KEYT 3 CA 1010
24	Fs	1851	KLNE	3	NE	1325	26	tr	0713	KAYU	28	WA	315				eCBUT9 60 BC
			\$KNOP					ms	2133	KRTV	3	MT	585				@CBUT34 35 BC
			WA chs							(12 s	ec	loc	ad)			0723	\$CHAN9 21 BC

110																				
Mi	ke (Cherry	(cont	inue	d)		2	Es	2359	\$KCBS			1050	13	Es	2059	KWGN			1110
J. Land							3	Es	0000	KRNV		NV	670	1255		2100	KREG			1040
28	tr	0630	Yakim	a U'	S	225			0018	KVBC		NV	995	15	tr	0715+	Tri-C			
20	-	0827	KTNW	31	WA	290			0032	KFDX	3		1655				Yakima			275
			(Over	CBL	JT35)			0035	CKND2		MB	1060			2054	KCWT		WA	195
		0829							0047	\$KTVNt	2	NV		17	ms	0657	KJRH			1670
		5557127	(Over	CBL	JT36					\$KRON		CA	770				(6 sec			
20	ms	0000	many	unic	p p	ngs			0100	KCRA	3	CA	740		Es	1900	CITL		SK	675
23	IIIO		all e	ven	ing	7			0101	e KUTV	2	UT	805				CKSA		SK	675
20	me	0419			UT	805			0113	e KUSD	2	SD	1350			1903	CBKT1		SK	
21	tr	0700+	OR 24	1, 32	S/	free			0140	fade	out					1930	\$CKCK			855
31		1900+	OR 24	1. 33	st	:111			0700	\$KTVX	4	UT	805			1933	KXJB	4		
		1923	KLEW	3	ID	355				KUTV	2	UT	805			2000	KGFE	2		1175
			Tri-C						0707	KCCZ	4	UT	950				KDLO			
		2127	KMTR	16		330			0729		3	KS	1365			2032	KOTA			
		2121	101111	10					1217	KEYT	3	CA	1010			2100	CKBI3	4	SK	920
14.0	ente	t 1990					4	tr	0825	+ Tri-C	iti	as	U's				CBWFT	3	MB	1180
AL	Ec	1759	*KOTA	3	SD	1030			0900				1440	20	Es	1800	KENW	3	NM	1480
-	Lo		\$KLBY			1290	10,000			\$KOTA	3	SD	1030			1921	KEYT	3	CA	1010
		1000	KTVS		CO	1165				\$KTVS	3	CO	1165			2000	KOET	3	OK	1670
		1857	KNOP	20.00					1833		4	KS	1290	21	tr	2204	KAYU	28	WA	315
		2129	KREG	3		1040			1900		3	OK	1670				(Unde	r K	TPS)
		2148	KTBS	100	7.7	1900			1959		4	OK	1670			22104	Tri-C	iti	es l	&
			\$KNAZ			1145			2059		3	KS	1365				Port1	and	Us	strg
		2202	KCNC			1110			2100		2	KS	1435	22	tr	0711	WA 25	. 4	2 s	/free
		2213	KTVQ	11	MT	750			2133		2	NE	1240			0722	KAYU	28	WA	315
		2215	KRTV		MT	585				\$KDUH		NE					(Snow	fr	ee)	
			\$KWGN	2				me	2316			CA				0742	@CBUT1	9	BC	110
		2232	KMTV			1440	11		0105	-		AB					(Vy r	are	0/	KTPS)
		2234	KSNC			1435		1115	0100				ad)			0754	eCBUT1 (Vy r \$CHAN9	21	BC	
		2300	KKTO	100		1260				(Prev						0759	KCWT	27	WA	195
		2311	unid			anish		Ee	0559				1350				(Very	we	ak)	
		2311				allisti				@KNMT		OR		25	Fs	1000			NV	995
		0000	beam			1010	13	CI		eKUTF		OR	-		-	1000	KRNV	4	NV	670
		2329	KEYT			1055		441		\$KCTS		WA				2000	KSWK	3		
			\$KNBC					9w	0004	(Act						2.300	WDAF	4		
		2333	XHBC			1205 740							test)			2029	KSNW	3	1000	
		2338	KCRA	3	CA	140				136	GHI	-	ceat)			2023	11401101		1.540	1 - 1 -

I would rate this year's E skip season for TV as mediocre. On many days, again this month, only one or two stations in per opening, often for an hour or two at a time with sometimes surprisingly strong signals. I had pretty good luck with the Aquarids and Perseids meteors this year. Meteor scatter signals were also strong. The reception of KTBS-3 Shreveport floored me!! It was in long enough for a local ad to come through very strong signal! That was the beginning of a rare late-night opening that lasted until the early hours of the 3rd. KTBS-3 I'm sure must be cloud-to-cloud or possibly a tropoenhanced E skip. It will be interesting to see if any tropo reports from that date bear out this theory.

I'm not sure if channel 4 Oklahoma City is using KFOR calls yet - signal faded after local PSA and before ID. I was hoping to catch their new calls on tape (formerly KTVY). E skip opening on the 17th in unusual direction - usually aurora comes from this part of Canada.

On 21st tropo to eastern Washington - KAYU-28 came in with KTPS - first time this has happened to me.

Locally, KCTS-9 (PBS) is the first local to activate SAP (KIRO-7 tested theirs when they first went stereo but has since ignored this). A three minute tape loop explains SAP and that bi-lingual and commentary for vision impaired viewers will begin on KCTS programming this fall.

Hope y'all had a good E skip season and that everyone has some good autumn tropo and aurora. 73's, Mike

																250	\$344.Gr	30025355
June 1990					Ju	ly '	1990					8	Es		WSTM			
29 tr 2130	WHSL	46	TL.	285	3	tr	0500	KIMT	3	IA	335			2100	unid	3,4	nw	CBC
2200				335			0700	KFAA	51	AR	215	17	Es	2130	WTKR		VA	1055
2200	KBSI	23		350				K57DR	57	MO	150	20	Es	2000	KYW	3	PA	1090
	WFIE	14	IN	450			(Jop1	in		L	PTV)							
	WRSP		IL	335	4	Es	AM	CFQC1	3	SK	1070	Aus	gust	1990				
	WFHL	23	TI	370	8	Es	1730	WBTV	3	NC	835	29	tr	AM	KDUB	40	IA	355

31 tr 0100 K61-- 61 ?? 31 tr 0622 KJMH 26 IA 270 Dave Pomeroy (continued) KLJB 18 IA 320 (Unknown KCAU-9) K56AF 56 IA 120 WHSL 46 IL 285 31 tr 0100 KEYC 12 MN 345 KITN 29 MN 435 (Clarinda KMTV- 3) WYZZ 43 IL 360 K32AF 32 MN 355 WAND 17 IL 370 KTMA 23 MN 435 KSTP- 5) K24AC 24 NE 80 (St. James K60AK 60 IA 120 0540 WHLA 31 WI 395 KETV- 7) (Falls City w/KEYC-12) (Clarinda (Normal KUON-12) WHWC 28 WI 455 0720 WQOW 18 WI 455 KARE 11 MN 435 WLEF 36 WI 550 0730 KCRG 9 IA 300 KTTC 10 MN 355 WHRM 20 WI 510 WWTO 35 IL 385 KWWI 7 IA 305 (See Note) 1023 K25-- 25 ?? KTCI 17 MN 435 (Unknown K40CO 40 IA 250 K52BH 52 IA 225 unid channel 35 (Storm Lake KMEG-14) (w/Ch America) K55FL 55 IA 295 TBN) KMEG-14) 8 WI 415 (Spencer WKBT WHOI 19 IL 340 September 1990 K60-- 60 ?? 0622 WMBD 31 IL 345 1 tr 0655 unid 45 n TBN TRN) (Unknown

Note - Quick ID on these with color bars and call/channel numbers. Others were listed, but this is all I could get.

(Dave, channel 60 TBN would likely be K60DJ at Cedar Rapids IA or K60DS at Rochester MN. I wonder if channel 61 with KCAU-9 might be K61CU Lincoln NE, previously RFD-TV? Lincoln is on the fringe of satellite KCAN-8's coverage area and would seem to be a good site for a relay. Regarding your channel 25 with TBN from the west, K26BZ at Junction City has applied for a move to channel 25. Perhaps they are already operating there with special authority? Your channel 35 with Channel America from the northeast is likely K35CO at Cameron MO. Finally, K45CQ at Council Bluffs is probably your TBN from the north. fm)

Jim Pizzi, 814 Brookhill Drive, Paso Robles CA 93446

PDT

Equipment:

Radio Shack VU-210 with rotor and preamp at work. Zenith 27" TV, Radio Shack 15-1712 V/U antenna and Winegard CP-8800 preamp at 13' agl at home.

Ju	ly '	1990					18	Es	1300	CBKT1	4		1255	3	Es	0930	KOAA	5	V50	905
0.000	11.00	10.0000	AND STORE THE	0-2.02	7:11:02					("CB			na")			0934			KS	1085
5	Es	1000-	1300 ur	nid	2-1	ene				KREM	2550	WA	845				("Ch10			ita")
6	Es	1030	CKCK	2	SK	1305			1430	KLEW	3	ID	770			1030	KDUH	4	NE	1040
		1200	KXMA	2	ND	1195				KXLY	4	WA	870			1130	KOTA	3	SD	1090
			KOTA	3	SD	1090	19	Es	1010	unids	chs	3 2-	-4 e	9	Es	1833	KBCI	2	ID	610
11	Es	1100	KOAB	3	OR	585	25	Es	0923	XEPMt	2	CH		14	tr	0920	K29AB	29	CA	90
		1130	KAID	4	ID	610			0928	KMID	2	TX	1080			(Mont	erey		KIC	J-36)
		1300	KXMA	2	ND	1195	31			(See	Note	a)				0930	K59AC	59	CA	80
			(Video	- 0	"K	(-2")										(Gonz	ales		KTE	1-54)
			KTVQ	2	MT	945	Au	gus	t 1990							1600	KFTL	64	CA	170
			(Audio	- 0	"K0	2-2")	2	Es	1630	KMID	2	TX	1080			1601	KFCB	42	CA	170
16	Es	0905	unids	chs	3 2-	-4 n			1655	unid	ch a	nr s	1W			1910	KSTS	48	CA	145
		0935	KATU	2	OR	690			1659	unid	ch 3	nr 8	nw?				(Span	ish)	
		1059	KOMO	4	WA	835			1700	KDUH	4	NE	1040			1911	KTEH	54	CA	145
18	Es	1035	CKCK	2	SK	1305			1730	KOTA	3	SD	1090	20	Es	1930	KRTV	3	MT	955
0.000		1100	CFSS	3	SK	1330			1732	KFYRt	5	SD	ABC			1959	KBCI	2	ID	610
			(CKOS	ID)		Original Park	3	Es		KXMA	2	NE	1195			2000	KTVQ	2	MT	945

Note - On this day, I installed at my house a small VHF-UHF Radio Shack antenna (model 15-1712) with a Winegard CP-8800 U/V preamplifier at 13 feet agl. 7/31 evening trops - San Francisco V's 2, 4, 7, and 9 and U's 14, 20, 26, 32, 38, 44 - 20, 38 and 44 snow free at times. San Jose channels 11, 54, 65, and 60. Salinas channels 8, 35, 67, and 46. Santa Cruz translator with KICU-36. Hunter-Liggett Military Base translators 57 (KEYT-3), 63 (KCOY-12), and 69(KSWS-8) (These are always in, as are San Jose 65, San Francisco 44, 38, and 60, and Salinas 8 and 35). Also seen; Vallejo 66 and CCI on channel 8 (possibly Ft. Bragg).

E skip trailing off here now - a pretty good season for me considering the lack of time. Maybe I can catch some off season E skip. I've also been seeing CCI on local channel 15 with antenna pointed north easterly - another LPTV towards Fresno?

(Jim, the CCI on channel 15 from the northeast may be K15CO, a channel change for K57CL, the TBN at Porterville, fm)

Tim Cronin, 7500 W. 111th St., Worth IL 60482

Equipment:

Western TV-DX

1984 Sony CVM-1270 monitor/receiver, el cheapo Archer rabbit ears hauled out of storage.

Α	uc	usi	1990		27	tr	0056	WNWO	24	OH	216	27	tr	0155	unid 18 (WLLD?)
4							0057	VLSW	28	IN	77				(See Note # 5)
0	7	tr	0045	WNDU 16 IN 77				WTTK	29	IN	135			0156	WHMB 40 IN 160
4	1		0047	WFYI 20 IN 160			0103	WUPW	36	OH	216	28	tr	0228	unid channel 45
			0048	WLFI 18 IN 100			0104	@WCLJ	42	IN	176				(See Note # 6)
				(See Note # 1)			0105	WHMEt	46	IN			gw	1129	W23AT 23 IL 10
		aw	0052	unid ch 23 w/VJN			0108	WXIN	59	IN	160			(Moke	na LPTV-VJN)
		3"		(See Note # 2)			0109	WIIB	63	IN	176				(See Note # 2)
		tr	0054	WSBT 22 IN 77			0112	WMCC	23	IN	145		tr	1755	16,22,28 S. Bend
				WXON 20 MI 235			0132	unid	41	(WU	HQ?)				17,23 Rockford
				(See Note # 3)				(See	No	te #	4)				

Note # 1 - First hint with the ears that a good opening was underway. WLFI is rare here, even when tower (45') is up and running, thanks to usual backhash from WVTV, but Milwaukee U's apparently absent this night.

Note # 2 - LPTV W23AT ID's (not often, it seems from early indications) from Mokena, which is a few miles east of Joliet. No idea on power (reported as 5.72 kW. fm), but CCI always evident using the ears. It and WMCC really carved each other up on August 27th. Huge storm in Joliet area August 28th knocked out W23AT's power for several hours. No sign of it when WIFR-23, presumed source of CCI, popped up briefly.

Note # 3 - WFYI nulled easily with the ears. WXON signal, of course, well below that of cable system's.

Note # 4 - Presumed WUHQ-41 Battle Creek given the other signals seen. Video unresolvable, tone heard.

Note # 5 - Would generally presume WVTV, but rotating ears Milwaukee way degraded signal. WLLD? (WLLD CP reported cancelled in 1986. fm)

Note # 6 - Home Shopping Spree feed parallel to WWOR. Ideas?

Thanks to having cable and an interest in satellite TV, I haven't DX'ed seriously (or reported) from southwest Chicago suburbs in years, though I remain an avid Digest reader. The appearance of WXON-20 on my local cable system late August 26th (after local WYCC sign/off) convinced me to hook up the rabbit ears to see if anything worthwhile was coming in on UHF. It was, bringing in Toledo U's for first time (but, curiously, no sign of Fort Wayne; must have been quite a duct). Perhaps it's time to fire up the rarely used tower again. I can imagine what would have popped up. (Mileages from old chart; totals at 158, 55 UHF.)

Ronald Purdue, Route #1, Box 224, Byron MN 55920

CDT

Equipment:

RCA 13" XL-100 color TV, Winegard CS-8200 antenna at 30', Channel Master 0064C preamplifier, Archer amplified video selector.

A	ug	ust	1990																		
2	2	tr	1925	WGKI	33	MI	356	27	tr	1630	KSFY	13	SD	212	27	tr	2037	WHME	46	IN	363
			1930	WUHQ	41	MI	390			1636	KRWF	43	MN	128	30	tr	1955	KYFC	50	MO	363
			2042	WVCY	30	WI	237				(Vide	o pi	robl	ems)			2000	KSPR	33	MO	481
2	5	tr	1839	KSAX		MN	188			1828	WRGT	45	OH	525			2004	KZKC	62	MO	363
			1844	KCCO	7	MN	188			1830	WPWR	50	IN	316			2114	WTJR	16	IL	294
				(Snow	fr	ee)				1836	KLJB	18	IA	203			2118	KSHB	41	MO	363
			2005	KAWB		MN	177			1942	WGBO	66	IL	288			2153	KMCI	38	KS	384
			2015	KCCW	12	MN	231			2012	WMSN	47	WI	175	31	tr	0650	KTKA	49	KS	384

Hello! It's been at least three years since I last reported to the TV-DX column. I finally got some ambition to DX! I have a new antenna which was installed in October 1988, and it has really cleaned up the "snow" on VHF and UHF channels, especially from the Minneapolis-St. Paul area. The coaxial downleads on both of the old antennas were corroded (the center conductor) and had to be replaced.

The tropo that we had a few days back was caused by warm and humid conditions that lasted for about four days. I didn't know I was going to bag WRGT-45 from Dayton, Ohio. I thought first that KVBM on channel 45 from Minneapolis had signed on the air for the first time, but it was WRGT carrying the "A-Team".

Ronald Purdue (continued)

Last night, the 29th, I spent nearly two hours trying to find the call letters for channel 33 in Cadillac, Michigan

from previous issues of the VUD, The NATVDB is nearly three years old and a new edition is needed desparately! Why isn't a new edition published every year?

Maybe in my next report I will have something on KXLT-47 in Rochester. I bet the programming will be the same as it was in 1988. See you in 30. 73's and good DX!

Doug Smith, 3105 Oakridge Avenue, Madison, WI 53704-5848

CDT

Equipment:

Sears tabletop color stereo set, big (model unknown) Winegard VHF only, and Radio Shack UHF corner reflector, antennas up about 25 feet.

August 1990	27 tr 2300 WKOI 43(OH) 340	30 tr 0930 W51AF 51 IL 120
26 tr 0135 KDNL 30 MO 311	2355 WEHT 25(KY) 365	(La Salle WCFC-38)
0220 <u>WHSL</u> 46(MO) 311	28 tr 0015 WXIX 19(OH) 362	WHKE 55 WI 100
unids 24, 25, 45	0106 WKEF 22 OH 343	W62BU 62 IL 65
27 tr 2126 Indianapolis UHF	30 tr 0930 unid channel 30	(Rockford WWT0-35)
2209 WRTV 6 IN 269	(See Note # 2)	W65BT 65 WI 85
(See Note # 1)	W33AR 33 IL 65	(Milwaukee WCIU-26)
2212 WISH 8 IN 283	(Rockford WCIU-26)	(See Note # 3)
WRGT 45 OH 343	W36AO 36 IL 90	W68BR 68 IL 65
WDRB 41(IN) 367	(Palatine LPTV-VJN)	(Rockford WCFC-38)

Note # 1 - Running Star Trek. Monday Night Football apparently blacked out as Indianapolis was one of the teams.

Note # 2 - Channel America ID. Suspect suburban Chicago, Rockford, or elsewhere in northern Illinois. (W30AL, Plano, Illinois. fm)

Note # 3 - I saw this one several times when it was W55AS, but this is the first reception on channel 65.

I visited my parents near Milwaukee on the weekend of the 25th and noticed a new LPTV, W43AY Waukesha, Wisconsin. They were running black and white movies; may have been Channel America but didn't watch long enough to find out for sure. (It is, fm)

Ed Frye, 22618 Cardiff Drive, Santa Clarita CA 91350-3017

PDT

Equipment: See August 1990 Western TV-DX

August 1990

9 Es 1845 CCI-channel 2 northeast

11 ms? 1545 unid channel 6; sudden burst over semi-local XETV-6; saw telephone number

with 916 area code (Sacramento, California)

Es 2355 CCI-channel 2 northeast

12 Es 1900 CCI-channel 2 east-northeast; lasts for 15 minutes

20 Es 1945 CCI-channel 2 northeast, in/out

1955 CCI-channel 2 east; strong

2000 unid channel 2 northeast; under KCBS - weak

2010 CCI to channel 2 increases; picture distorts side-to-side CCI-channel 3; weak "venetian blind" effect is present

CCI-channel 4; faint image under local KNBC

2015 CCI-channel 2 extremely heavy

unid channel 2 east; ABC - NFL exhibition football

2020 unid channel 3 east; tentative PBS

Not much to report in the way of identifiable DX this month. August's big moment came during the early evening of the 20th when local KCBS-2 was suddenly awash in co-channel interference. Unlike previous skip events when the channel 2 picture was totally distorted, this time a very discernible image of an ABC affiliate to the east lay just beneath the KCBS broadcast for about thirty minutes. Over on channel 3, a unid (PBS?) station briefly came through with a documentary on "Ike"/Nixon/LBJ campaign memorabilia. The event on August 11th was somewhat interesting, too. While watching a program on semi-local XETV-6, I saw an advertisement suddenly burst onto the screen. Could it have been meteor scatter? The Perseids shower was to have taken place that night, although nothing materialized here.

Frank Merrill, P.O. Box 669, Macomb IL 61455

Equipment

Western TV-DX

ICOM R-7000 VHF-UHF communications receiver with video adapter and Zenith L1310C9 13 inch; Winegard VHF-UHF (8100?) at 40 feet for tr and some Es; lowband (Finco?) vertically mounted at 12 feet for Es; Winegard preamplifiers.

Hello, all. I hope that it has been a fruitful season for everybody who watched. My thoughts are that it was a rather dry E skip season, with very little "real" E skip (which has an MUF of channel 6 or higher) in June or July.

July was a much better month overall because there was some good tropo (I'll report it next month), and I hope that many "cleaned up" on the recent tropo of August 25-27. I certainly did! I haven't counted them up yet, but I think I logged about 20 new from it.

You'll see one July 2nd item listed here; the rest will show up next month (a good tropo day). I'd like to read some comments on how to treat this logging, because it's certainly one of the strangest things I've ever seen! I've been busy with records, as well as getting stuff repaired or replaced after a May 11th lightning strike - fortunately everything that couldn't be fixed was stuff that's easy to replace.

		1990					15	Es	1059	KTVQ		MT	965	27	Es	0828	KXAS		TX	645
11	Es	2000-	2300							KOUS	4	MT	950			0858	KTXT	5	TX	780
			KNAZ	2	AZ	1195			1230	KIII	3	TX	965				WTVY	4	AL	715
			KKTO	2	NM	920			1735	KMID	2	TX	865			1131	WKRG	5	AL	690
	tr	2335	WCLP	18	GA	550	16	Es	1423	XEJ	5	CH	1065			1229	WEDU	3	FL	990
			(Audi	0 0	nly)				El Pa	so						WCPX	6	FL	980
12	tr	0011	WCNC	36	NC	650			2236	KKTO	2	NM	920			1259	WUFT	5	FL	875
		0000-	0500						2310	KGBT	4	TX	1070			1400	WCYB	5	VA	550
			WBIR	10	TN	475				KRGV	5	TX	1070				(Prio	r b	y m	s)
			WLOS	13	NC	550				XHRIO	2	TA	1080			1435	WPTV	5	FL	1130
			WHNSt	21	NC		17	Es	2100	KDBC	4	TX	1060	28	Es	0944	WMAR	2	MD	745
			north	ern	AL					XHIT	4	CH	1195			1028	WLNE	6	MA	1015
			WBMG	42	AL	525				KMID	2	TX	865				WFSB	3	CT	930
			W43AG	43	KY	300				KENW	3	NM	860			1728	WESH	2	FL	955
		(Hopk	insvil	1e		LPTV)			2141	XHFI	5	CH	1195				WMAR	2	MD	745
			etc.				19	tr	0628	W52AZ	52	IN	235			1730	KWAB	4	TX	840
		0550	&WATEt	6	TN				(Evan	sville		1	LPTV)			1742	KIII	3	TX	965
			(unid	3/	4 C	B's)		Es	1300	KUTV	2	UT	1125			1755	WTVJ	4	FL	1165
		2100-	2359						1746	"XEX/	KHA.	1" (ch 5			1803	WCIX	6	FL	1185
			WPGH	53	PA	560			1750	KMID		TX	865			1823	KIDY	6	TX	900
			WPBY	33	WV	470			2148	XEFB	2	NL	1160				(Prio	r b	y m	s)
			much	Ohi	0				2200	KIII	3	TX	965			1825	KENS		TX	885
13	tr	0100	Canad			0.45.	21	Es	2304	WESH		FL	955			1829	WEDU		FL	990
			48, 5						2309	WDIQ	2	AL	660			NETTERS.	KPRC	2	TX	800
			WLW		MI	470	22	Es	0310	KKTO	2	NM	920			1858	KIII	3	TX	965
			Detro						1300	WPBT			1165				KMOL	4	TX	885
		0315		13		620			1313	WBRZ	2	LA	700			1949	KFDX	3	TX	625
			tropo						1329	Cuba			CRT"			1959	KAMR	4	TX	705
	Es	1400	KTWO		WY	820	23	Es	2100	WMAR		MD	745			2009	KVIO	6	NM	915
		1928	KUTV		UT	1125			2159	WTVJ			1165			2030	KRGV	5	TX	1070
14	Es	1654	KGWL	5	WY	945			SELECTION CO.	WPBT	2	FL	1165			OPERATO.	KGBT	4	TX	1070
			KCWC		WY	940	26	Es	1930	WDIQ		AL	660			2148	XHPN	3	CU	985
		1800	KOUS	4	MT	950		1000		WPBT	2	FL	1165			2202	XEFB	2	NL	1160
			KTVQ	2	MT	965			2000	WESH		FL	955	30	Es	2030	KIII	3	TX	965
			KIDK		ID	1145				WJXT		FL	870		-	2200	WPBT	2	FL	1165
		2100-		-					2315	WTKR		VA	805				WEDU	3	FL	990
			KVBC	3	NV	1350			2325	WMAR		MD	745			2300	KRGV	5	0.000	
			KKTO	- 27	NM	920			2328	WUND		NC	835			2310	KGBT	-		1070
			KNAZ		AZ	1195	27	Fe	0030	WWAY		NC	810			40.10	7100	- 24	10.00	1010
15	Es	0500	WHBQ		TN	365	100		5000	WFSB		CT	930	.10	lv	1990				
		0000	wk De						0815	KBTX		TX	750			0317	KWQC	E	IA	
		1030	KPRC		TX				0825	WPTV			1130	6	311	0011	(See	950	57.51.0	75
		.000	AT INO	-	11	000			3023	ML I A	5	1 4	1130				(000	HUL	- /	. 5

Note - KWQC was testing after their sign-off. Their main and auxiliary transmitters were on at the same time, so I was watching a white background (strong!) with a somewhat weaker KWQC 3/4 CB ID test pattern zero beating it! I wrote to ask what I had seen, and the engineer replied that my theory was correct. The main and auxiliary transmitters, which are at totally separate (but nearby) tower sites, were both on and the effect was the same as two stations broadcasting. Should I just log this as the oddity that I have, or did I see two separate stations (therefore, one must be new)? (See last page. fm)

CDT

CDT

Western TV-DX

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2-6, Radio Shack U-75 corner yagi.

Ju	1у	1990												29	Es	1939	unid	ch	3	Mex	co
7	Es	1130	KLNE	3	NE	888	18	Es	1814	unid c	hai	nne l	3				(See	Not	(e)		
		1159	KSWK	3	KS	827	19	Es	1912	KOAA	5	CO	1003	31	Es	1658	WNEM	. 5	M	I 9	96
		1422	unids	ch	s 2,	5			1945	KENWt	3	NH									
8	Es	1133	unids	2,	5 Me	xico				KNMEt	5	NH		Au	gus	1990					
9	Es	2141	unids	ch	s 2,	3	29	Es	1758	KENS	5	TX	486	2	Es	1944	unid	ch	3	CBS	
11	Es	2228	WJBKt	2	MI					(Short	h	op!)					unid	ch	5	ABC	

Note - In for 1½ hours running "Siempre en Domingo" program. XEW-TV ID @ 2002.

Not much in the way of skip to report, unfortunately. I spent most of August moving to my new condo. It's on the 2nd and 3rd floors of a building and even has an attic! Reception strength has improved on all channels (unfortunately, for WBRZ-2 also).

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

Here's my DX report for July 17 - August 16. Not too much to speak of; declining conditions and lots of overtime at the plant saw to that. Overall though, I've had a good season. Here's what it is:

Ju	14	1990																		
17	tr	0538	KSDKt	5	MO		25	tr	0507	KDNL t	30	MO		1	tr	0556	WUSI	16	IL	188
		0541	KYIN	24	IA	209			0526	WHSL	46	(MO)	177	9	tr	0556	WHO t	13	IA	
21	tr	0806	WNDUt	16	IN				0550	WTMJ	4	WI	195				KDINt	11	IA	
		0816	WNITE	34	IN		31	tr	0600	WOI	5	IA	178				WOI t	5	IA	
23	tr	0558	WHSL	46	(MO)	177								14	tr	2220	KSDK	5	MO	165
		0559	KDNL	30	MO	164	Au	gus	1990					15	tr	2216	KSDK	5	MO	165
25	tr	0505	KNLC	24	MO	179	1	tr	0541	WHSL	46	(MO)	177	16	tr	0401	KMOV	4	MO	168

The WTMJ-4 logging was an odd one, coming on top of all the Missouri's that I got that same session. I was sure it was KMOV-4. As for WUSI-16, I was watching WTJR-16, Quincy, making sure of what it was when, in the blink of an eye, the dual ID card of WSIU-8 Carbondale and WUSI-16 Oiney just "dropped" into place, without any help from me. Easiest one I've ever gotten.

Totals now: 147, including 100 tropo. 73's and God bless.

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509

Equipment:

JVC AH-7200U VCR as tuner (with Hitachi CT-932 as monitor) fed by a Channel Master UHF Quantum 4257 @ 35' and a Channel Master VHF/FM Quantum 1110 @ 32' on the same mast. Separate downleads with a Channel Master booster on the UHF. Bohsei black and white fed by a Radio Shack V185 in the garage @ 7' and aimed east southeast.

Last time's K54CY logging is definitely Lakeport. K52AJ now relays KSTS 48 San Jose, so having KOVR 13 on channel 54 makes sense. Also, KFWU 8 Ft. Bragg seems to be - offset. It ID's with KRCR 7 Redding and KAEF 23 Arcata. Their ID shows the three channel numbers as interstate highway signs, with the calls in small letters in the red area above the numbers. I saw that twice before I realized what it was!

As always, new are underlined, * is new to Antioch.

June 1990	24 tr 0727 K66CQ 66 CA 160	4 Es 2129 KACV 2 TX 1110
7 tr 0558 KADE 33 CA 180	(O'Neals LPTV-"TV-66")	5 Es 0600 KMID 2 TX 1175
(ID with KADY)	Es 2030 KSNC 2 KS 1255	0700 XEPMt 2 CH XEW
10 Es 0959 KACV 2 TX 1110	29 Es 2030 KSNC 2 KS 1255	2328 CFAC 2 AB 1005
14 Es 1930 KJRH 2 OK 1425	2059 KACV 2 TX 1110	6 Es 1151 *KTWO 2 WY 880
2058 KMID 2 TX 1175		1158 KUSD 2 SD 1345
17 Es 1208 XEPM 2 CH 970	July 1990	1233 KOUSt 4 MT
18 Es 2030 KSNC 2 KS 1255	2 tr 0502 KAME 21 NV 145	1258 KNOP 2 NE 1110
19 Es 0632 XEPMt 2 CH XEW	4 Fs 1044 KJRH 2 OK 1425	8 Es 0915 KSNCt 2 KS

ol	nn .	leffer	son (co	ont	inue	ed)	1.1	Es	1900	KSNC	2	KS	1255	19	Es	2016	KKTO	2	NM	890
-							13	Es	2030	KNOP	2	NE	1110			2031	XHI	2	SO	104
8	Es	0929	KACV	2	TX	1110			2101	KSNC	2	KS	1255	22	Es	0945	KMID	2	TX	117
		0955	KKTO	2	NM	890	14	Es	1659	KSWK	3	KS	1120							
		1059	KACV	2	TX	1110			1701	KKTO	2	NM	890	Aus	qus!	1990				
		1336	KKTO	2	NM	890	15	Es	0959	KMID	2	TX	1175	5	Es	1328	XEPMt	2	CH	XE
		1549	XHI	2	SO	1040			2005	KMID	2	TX	1175							

Here's the MUF breakdown to date:

DATE	MUF	TIME	DATE	MUF	TIME	DATE	MUF	TIME	DATE	MUF	TIME
06/06	2	0715	06/28	107.3	1911	07/13	4	1853	07/31	2	0823
06/10	4	1129	06/29	94.7	2032	07/14	88.3	1746	08/01	5	2202
06/13	4	1833	06/30	4	1314	07/15	98.7	1905	08/02	100.3	1910
06/14	99.5	2005	07/01	107.7	1859	07/16	2	0802	08/03	5	2005
06/15	2	2003	07/04	94.7	1051	07/17	5	1900?	08/04	2	1918
06/16	2	0941	07/05	105.3	1927	07/18	106.7	1918	08/05	4	1317
06/17	102.7	1751		107.7		07/19	107.5	1940	08/07	2	2202
06/18	94.7	2107	07/07	2	1350	07/20	99.5	1853	08/08	2	1100
	4		07/08	98.7	1719	07/21	2	2039	08/09	5	1845
	2			100.7		07/22	99.1	0952	08/10	5	2207
06/23	98.7	1837	07/10	2	0732	07/24	2	2032	08/12	2	1906
	107.7		07/11	106.5	1430	07/25	5	1732	08/15	92.3	1944
06/26		2100?		107.7							

The breakdown suggests several good days. That's misleading - most openings were short and unproductive even when they hit 106 or 107. May 28th was the only big winner. July 11th might have been except for work. I came home early to go to an eye appointment and walked into a hot one. It was near the top of the FM for at least 90 minutes, over half of which I missed except for a tape left running. I hope everyone out there did better than I!

KAME 21, despite being classified as a semilocal, was extremely hard to get. They were barely readable at best. Normally, there's no hope of seeing them, as KCSO 19 blows them away. When KCSO is off, KFTV 21 Hanford is quite sufficient to bury KAME, even when they're coming in poorly. But on July 2nd, both were off, so KAME limped in with Eugene Scott (the crazy, cigar-smoking "preacher" the FCC threw off the band) before 0500 and an ad for a record of "one of Elvis Presley's favorite singers" at 0502. Of course, they faded out at 0500.

By contrast, KADE 33 was quite easy to get. They had their test pattern on with dual ID's for KADE San Luis Obispo and KADY Oxnard. Unfortunately, "KADE" lands on a

bright background, so is only semi-legible.

As for KSWK, they seemed to have a group ID with other stations, as there was lettering all over the screen; I was lucky to look in the lower right, where KSWK was displayed. I wish I'd had the VCR running - KCRA's picture would've provided the sync bar for a readable picture. I gave up on the VCR in part because of the VCR's inability to hold a weak or garbled signal. With KCRA at about 12 miles, loggings on channel 3 are guaranteed to be rare, so it would have been a nice one to document. KCRA, by the way, now has an all-news format when they're not showing NBC fare or Oakland A's baseball.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216

CDT

Equipment;
7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. 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.

Here's another report. Beginning on August 27th, I probably won't have much time for DX'ing (until 1/19/91) because of the student teaching I'll be involved in for my final semester at UWGB.

July 1990	23 tr 2214 W62 62 ??	24 tr 2256 W40AK 40 MI 115
23 tr 2214 W40AK 40 MI 115	(Iron Mtn area ESPN)	25 Es 2215 chs 2, 3 w weak
(Muskegon LPTV)	W49AF 49 MI 125	26 tr 0645 WFIE 14(KY) 420
Iron Mtn U's 100	(Crystal Flls WGBA-26)	

ME	Ste	LU IA-	DV.					_			_				_			00000	1 1000
Wi	11+	am Dra	eb (co	nt i	nued)	31	te	0533	W47AZ	47	IN	320	10	Es	1750	WCIVt	4 5	ic.
** *			100				9			anapo1	is		(NLV				WCSCt	5 5	C.
									(211001	WTVQ	36	KY	473				WEAR	3(A	L) 955
26	tr	0645	W68AA	68	TI	300				WOSU	34		395			1800	WDIQ	2 A	
20	- William	(Dany				-17)			0542	W40AK		1891	115				WKRG	5 A	
		(Dair	WEHT			420			0012			100	1,000			1816	WEDU		L 1180
		0729	WXIX	1000	(OH)		Δ11	nus	1990							1825	WESH		L 1125
	Ec	1215	KPRC			1117		Es		KPRC	2	TX	1117			1112715	WUFTt	5 F	ZL.
	Lo	1210	KTBS		LA	910	~	20	1930	KBTX			1079			2115	a11 g		
			KJACt		TX	310			1000	WWL	4		1034	11	aw	0440	W20AG		/I 60
		1240	KDFWt		TX					KALBt		LA			3"		boygan		TBN)
		1255	KBTX			1079				WDSUt				12	ms	0440			lots
	4-	2210	W54BH			134				WBRZt	11 11 15	LA		1,66		2110			west
	CT.	(Mad		0.4		VJN)			2028	WKRGt				13		2050			
		(Mag	W54AR			100			2020	KJACt				1.0	to t	2000	WKONt		
		(Fend				-38)			2218	KENW			1145				WCVNt		
		(renc			100000	115			2210	KKTOt		NM		14	tr	0624	WCET	48 C	
			=WTLJ		MI	110				KACVE		TX				0405		47 0	
			W62		??					KMIDt		TX		10	LI	0405	eCBLN5		N 325
27	ES	2215	KKTOt		NM	0.20											@CBLN	40 0	200
		100000	unid				10	0		KAMRt							CIII4		ON 410
28		2139	WCET		OH	400	4	tr		(See						0400			
		2235	CHFD		ON	300	5			Cincy				17	LI	2103			
30	tr	2218	WCET		OH	400	8	tr	2023	W40AK			115	11000			kesha		(V-CHA)
			WXIXt		(OH)					(Snow			200	18		2120		200000000000000000000000000000000000000	
			WKON		KY	437				W19BA		MI			18	2130			
31	tr	0515	WLKY		(IN)					d Rapi			TBN)			2139		75.5	
			WDRB		(IN)	437	10	Es	1750	WCBD		SC				2228	(See	note	3 # 2)
			Cincy	UH	F's	400				WWAY	3	NC	865						

Note # 1 - Severe cross modulation on stations along Lake Michigan. Everything very strong; stronger than locals.

Note # 2 - With locals WGBA-26 and WXGZ-32 off because of thunder storms in area. WGBA back on at 2228. WXGZ returned the next day.

I still haven't figured out where the channel 62 with ESPN is in the Upper Peninsula (?). I've seen them before.

The new TBN station in Sheboygan, Wisconsin is W20AG. They have Morse code ID's about four times an hour during the prime time evening hours and after that, not so often. During the day, it seemed to be less often still, although I didn't watch for an extended period of time.

At first, I thought there was a pattern to the times the Morse code ID's showed up as they were the same as noted on W19BA which is also TBN. During prime time hours, they showed up at :03, :34, :43, and :53 minutes after the hour (2000 - 2200). This changed a little after 2300 with some of the ID's being left out or being changed a minute or two in one direction or the other.

The ID's stand out real well if the signal is strong and by itself without any CCI. Most of the time I got CCI from WXXW which tends to garble the Morse code ID's. 73's for

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CDT

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Magnovox 19" color, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

AL	igus	t 1990																		
25	tr	1146	KPTM	42	NE	400	27	tr	0950	KDNL	30 M	10	660	27	tr	1145	KCRG	9	IA	395
	tr		KHIN	36	IA	390			0956	WHSL	46 (M	(0)	665			1147	KWWL	7	IA	395
-		1536	KMNEt		NE				1011	KSPR	33 M		695			1149	WAND	17	IL	620
		1757	KSIN	27	IA	300			1028	WTVP	47 I	L	560			1157	WICS	20	IL	610
		1915	KHNE	29	NE	425			1059	K40CO	40 I	Α	305			1228	WMBD	31	IL	560
		2015	KLJB	18	(IL)	500			(Stor	m Lake	KM	EG-	-14)			1827	KRIN	32	IA	395
		2100	KRIN	32	IA	395			1100	KLJB	18(I	L)	500							
		2159	KDSM	17	IA	385			1129	KSNT	27 K	S	540	Sei	pter	mber 1	990			
		2215	KXNE	19	NE	320			1131	KPTM	42 N	IE.	400	2	tr	0424	K15CE	15	MN	185
27	tr	0923	KYFCt	50	NE				1138	WRSPt	55 1	IL				(Red)	rood F1	1s	KTMA	-23)
		0930	KSHB	41	MO	550			1143	unid	chann	ne1	44	3	tr	0000	=KSIN	27	IA	300

Fred McCormack (continued)

DX from Minnetonka, Minnesota:

Equipment:

Sharp 19" color with bowtie (UHF) and dipole (VHF).

ΔH	aus	t 199)				29	tr	1029	KAWB	22	MN	115	31	tr	0501	@KCPT	19	MO	405
		2202		7	WI	185			1030	K14AD	14	MN	80			0513	KSHB	41	MO	410
21	tr	100000000000000000000000000000000000000	WHRM	20	WI	185			(Wil	lmar		KSAX	-42)			0526	@KCCW	12	MN	145
	tr	1028	WHA	21	WI	235	30	tr	2257	KYIN	24	IA	110			0532	eKLJB	18	(IL)	290
20		1800	KDLH	3		145			2332	KSPR	33	MO	535			0543	@K41AD	41	IA	110
2.6	tr	1111	A STREET, SQUARE, SQUARE,	200	WI	170	31	tr	0006	unid	cha	nne1	17			(Lan	sing		KYIN	1-24)
28			KRIN		IA	195			0103	KGAN	2	IA	195			0557	+KDUB	40	(WI)	215
20		0727	KRWF		MN	105			0128	unid	ch	16 T	BN			0730	KYFC	50	MO	410
		0757	KSIN		IA	220			0155	KWWL	7	IA	190			0817	K60DS	60	MN	80
		0829	KAAL	E-12/	MN	90			0210	Section and section in the section is a section in the section in the section in the section is a section in the section in th	6	(MN)	145			(Roc	hester			TBN)
0.0	tr		WKOW		WI	235			0423	constitution of the last		MO	535							
25	61	0829	WMTV	15		235			0446	-	16	MO	545	Se	pte	mber	1990			
		0023	unid		nne1				0500	Contractive Contra	cha	nne1	38	1	tr	1000	WGBA	26	WI	270
			unid	2000					8550	(Shor	ntgo	g)								

I was up much of the night on August 31st observing some quite remarkable conditions. Missouri signals were in essentially all through the night, although often a little rough on the bowtie! Other observations suggest, that the stations I logged may have been at the limit of that night's tropo extension, so a dish may have got me nothing additional; but it certainly would have improved the pictures.

Continued from Frank Merrill's report:

(By all means count KWQC-6 as two stations if you are in the custom of logging stations by transmitter site, but I don't believe you are. For purposes of WTFDA statistics reporting, multiple site loggings are not allowed. Even if one were to attempt to maintain a log book based on transmitter site; for many loggings, it would be almost impossible to be sure which site was observed. Auxiliary transmitter sites are not uncommon, but even more significant would be the many facility moves which take place during a given DX'ers career. Anyway, that's my opinion. fm)

To fill the page, here are some loggings from a second report received from Bill Draeb:

William	Draeb.	Ellis	St.,	Rt.	#2,	Kewaunee	WI	54216		

						24	+=	0504	@WZDX	54	AL	685	24	+r	1816	WKPC	150	(IN)	430
		1990	ODOF	10 ON	270	6.4	CI	0004	WTVQ	36	KY	473			1210	WXIX		(OH)	
22	tr	0748		16 ON	270				WKYT	27	KY	473			1828	WZDX		AL	685
		121210121		3 16 0								585			1856	WGRB	100	KY	515
		2013		42 MN	385				WXMT	30	TN				1030			(GA)	
			Twin 0		good				WCET	48	OH	400				WTCIt			
				iing ch				0520		48	AL	685							226
23	tr	0601	WDRB	41(IN)					(ID w/			WX)		7022		W47AZ	41		336
		1805	WCET	48 OH	400				WBMGt		AL	0.0000		(11	ndian	apolis	Jaran		(NLV
			WKGB	53 KY	553				@WDRB		(IN)					WKGB		KY	553
			WKON	52 KY	437				WLKY	32	(IN)				1906	MCAN		KY	407
			WKMJt	68 KY					WAAY	31	AL	685				WNEO	45		405
		1945	WUCX	35 MI	230			0528	WXIX	19	(OH)	400			1936	WDSI	61	TN	650
			(Good	sig- r	are)				KONL	30	MO	432			2104	WKLE	46		473
		1953							WPTYt	24	TN					WPBO		OH	461
									WLMTt	30	TN					WTSF	61	(WV)	490
			WOSU	34 OH	395			0540	WDSI	61	TN	650			2117	WSFJ	51	OH	395
			WAFFt	48 AL	0.707.000				WDKY	56	KY	480			2151	WITE	28	OH	395
		2134	WNEO	45 OH	405			0821	WTCI	45		650	25	tr	0537	@KBSI	23	MO	512
		2154	CBLN4		305				WFLI		(GA)	670				@WMTU	16	TN	625
				ord 33,				0834			GA	- Autorit				WTCT	27	IL	480
				and 68	177			0001	WHNTt							W34AY	34	IL	300
		2145	WZDXt		14.4				WOUC	44		427			(Cha	mpaign			TBN)
		2140		54 AL	345			1816		64	100000000000000000000000000000000000000	400				WTTE	28	OH	395
		0450	WEIU					1010	WKON		KY	437				KDNL	30		432
		2153	WXIX	19(OH)					WAFF	48		685				TOTAL	00		.02
		2159	W54AR	54 WI	100									10	nntin	ued nex	+ m	onth	1)
		(Fenc	е	WPNE	-38)				Stron	9 0	omer	ack		10	OTTO TH	ueu nex	· 10	O. Fur	1.70

[UNIDENTIFIED DX]

John F. Combs (N4SFS) 1308 Willow Branch #24 Jacksonville FL 32205 (904) 389-2451

OCTOBER 1990

ITEM #1: THANKS FOR YOUR PATIENCE! Contributions to the column picked up admirably after my plea (some referred to it as a tirade) was published. Shortly after starting this column, my venerable Commodore 64 bit the dust in an electrical storm, substantially delaying the completion of the column. I'm sure some of you who sent uniDs ages ago thought they were put in the circular file! Inought they were put in the circular file;

ITEM #2: 'THE ART OF THE I.D.' WILL RETURN! My computer problems, the number of unIDs submitted, and a general lack of time prevented another installment of this series from seeing print this month. Next column for sure! ITEM #3: A REMINDER... Be sure to indicate whether your PTA (Probable Target Area) refers ITEM #83: A REMINDER... Be sure to indicate whether your PTA (Probable Target Area) refers to a geographic area or an antenna heading. Either method is fine, but if you just say "NW" or "Northwest," we need to know if you mean the PTA is the Northwest U.S., or somewhere on a northwesterly heading from your QTH. It makes a difference, unless you live in Kansas or some other central state!

ITEM #4: I'M SOMODO FMBARSSED! I have some unIDs, submitted in longhand on lined notebook paper, signed by "Jeff." Unfortunately, I have misplaced the envelope that went with the letter, so my question is: Jeff Who? Kadet? Wolf? Falconer? (Too many Jeffs in this club, hi!) It's a good idea to include your address in the body of your letter in case I do something stupid like this again!

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401
Sat Jun 2 Es ch 2 2033 CDT --- "Lawrence Welk," probably PBS. PTA: both MA and FL in. (A
January TVG checks negative for WPBT---jfc)
Sun Jun 3 Es ch 5 1132 CDT --- Odd TP: a few broad vertical stripes. PTA: SE U.S./Cuba?? Sun Jun 3 Es ch 5 1132 CDT -- Odd TF: a few broad vertical stripes. PTA: SE U.S./Cuba??

ch 2 2147 CDT -- "USWA Wrestling."

ch 2 2233 CDT -- "USWA Wrestling."

Item about artists in Westport Plaza; end news and into "Taxi" without a break or ID. (I've logged the same unID a couple of times; think it's in the Northeast-jfc)

Mon Jun 25 Es ch 2 1821 CDT -- Slide: white square w/smaller black square within it, "itp" in lowercase white letters, rounded block style.

ch 2 1943 CDT -- "Mama's Family." PTA: ?

Exercise pgm, not WTJR. PTA: N/NE heading.

ch 29 1953 CDT -- "Wiseguy," apparently MDT? PTA: NW (More likely Es if an MDT stn, or could be a Canadian---jfc)

Sat Jul 7 Es ch 2 1430 CDT -- "Wiseguy," apparently MDT? PTA: NW (More likely Es if an MDT stn, or could be a Canadian---jfc)

and ABC bowling was in at this time. (I lack recent Atlanta TVGs, but seems like WSB pre-empts the network a lot. The ABC could have been WCBO or someone eise---jfc)

Tue Jul 10 Es? ch 2 2131 CDT -- Ad: Dieter Wimmer for Noranda Forest. Scenes of men trekking over fields with snowshoes. Wimmer was an elderly man. Seemed to be during a break in the CBS All-Star BB game, but area CBS outlets didn't have it. Odd. PTA: SE through SW. (Could have been a regional ad, or a local break Sources it in a strip of put in a local break Sources it in a strip of put in a put in a local break. Counds like a skir perort ad but in July?--ifc) game, but area CBS outlets didn't have it. Odd. PTA: SE through SW. (Could have been a regional ad, or a local break. Sounds like a ski resort ad, but in July?---jfc)

ch 2 2135 CDT --- Also odd. Elderly man seems (by means of clever editing) to interview Khadafy. This and last logging fluttered like Es, but possibly Tr. Same PTA. (This one sounds like the sort of thing they do on HBO's "Not Necessarily the News." Maybe both loggings are CATV leakage?---jfc)

Wed Jul 11 Es ch 2 2030 CDT --- ID seemed to be either CBCP or CKTV (alias CKCK). Alas, both calls check. The Bob Hope Special followed--was this carried by CBC or CTV?

ch 2 2056 CDT --- Ad for Tucker Stores. PTA: N/NW heading. Jeff Kadet, P.O.B. 20, Macomb IL 61455 Tue Jun 26 Es ch 2 1435 CDT --- Mexican w/dual ID (visual) as XERP/XERPS or XERT/XERTS. Jim Renfrew, 61 Wilcox Street, Rochester NY 14607-3832
Sat Jun 2 Es ch 3 1245 EDT --- CBC French pgm "Le Vagabond." KFYR-5 in--CBWFT??
Sat Jun 9 Es ch 2 1145 EDT --- NBC cartoons, then "Lassie" at 1200.
Wed Jun 20 Es ch 3 0928 EDT --- Local nx insert w/Art Jones. May be KBTX (in earlier) or a SD stn (mention Rapid City) Doug Allen, P.O.B. 5646, Woodland Park CO 80866 Sun May 27 Es ch 3 1059 MDT --- ABC stn w/ads for West Frankfort. (Definitly WSIL---jfc) Mon May 28 Es ch 4 1030 MDT --- Ad: Dixieland Dental. (Don't touch that dial! More mysteries to be solved on the following page.....)

Ty-CCI
Matt Sittel, 220 Brookfield Dr., Kingsport TN 37663
Thu May 24 Es ch 3 1902 EDT --- 3/4 color bars until 1903, then into SS program with a clown and puppets. Also seen 1904 Wed 5/30. PTA: Mexico.

Mon May 28 Es ch 4 1830 EDT --- "Hard Copy." Strongly suspect WTVJ. (TVG negative—they have NBC News at 1830—jfc)

ABC "World News Tonight," but didn't end on the hour at 2000. Suspect KUSA. Can anyone confirm a 1930 EDT (1730 MDT) start for them on "World News Tonight?" KABY is not as likely, but is possible. (I think the East Coast ABC feed of WNT ran late due to Gorbachev's arrival, so all affiliates taking that feed live would have run over. A 1930 EDT start would mean a one—hour tape delay if KUSA 1930 EDT start would mean a one-hour tape delay if KUSA takes that feed--ifc) 3 1030 EDT --- Local July 4th parade. Suspect KTVS. (A bit vague, Matt--Wed Jul 4 Es ch 3 1030 EDT --- Local July 4th parade. Suspect KTVS. (A bit vague, Mattany any other details?--jfc)

Fri Jul 6 Es ch 2 2100 EDT --- "Carol and Company." PTA: Canada.

ch 3 2306 EDT --- "BS "Evening at Pops," PTA: TX, NM. Likely KENW. (That would jibe as most PBS stans carry it at 2100 local--jfc)

Sat Jul 7 Es ch 3 1524 EDT --- "Little House on the Prairie." PTA: KS, OK, TX.

Sun Jul 8 Es ch 6 1523 EDT --- "Little House on the Prairie." PTA: KS, OK, TX.

End of movie with Burt Reynolds driving blond-haired woman in car. PTA: TX to MN, all was in. (Sure you weren't watching Burt and Loni's home videos?---jfc)

Wed Jul 11 Es ch 6 1747 EDT --- "Geraldo." PTA: CO, KS, NE, SD.

ch 3 1757 EDT --- "Mr. Belvedere."

"Jeopardy!" Suspect WLBZ. PTA: New England Maritimes 2 1957 EDT --- "Jeopardy!" Suspect WLBZ. PTA: New England, Maritimes. 2 1957 EDT --- PBS "MacNeil-Lehrer." Suspect WGBH. Frank Merrill, P.O.B. 669, Macomb IL 61465
Tue Jun 5 Tr ch 40 1524 EDT -- "The Jetsons." Called WAXA and was told they 've been off since 8/89. Called WWPB (may as well be thorough) and it's not them. Called WJSU (wrong offset, but right direction) and it's not them. Is Holly Springs MS 40z on? Is there a ch. 40 xltr in KY or TN? PTA: KY.TM, MS, AL

and offsets can be misread, so don't rule out WDBD, WTWC as possibilities. WKFT also negative since they are relaying WRAL-5 at that time---jfc)

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205

From DUCK NC on the Outer Banks:
Mon Jun 6 Tr ch 62 0907 EDT --- "Donahue." Direction makes WTZA the only likely suspect.
ch 56 1713 EDT --- "Brady Bunch." WLVI likely, can anyone confirm? Roy? 6 Es ch 3 2315 EDT --- 2 PBS stns, one with "MacNeil-Lehrer," the other with "Hitchhiker's Guide to the Galaxy" (the first episode, wherein Arthur Dent's house is bulldozed). Is one of

Sat Jul 7 Es ch 6 1055 EDT --- ABC stn, zero offset, //East Coast feed. Narrow, stable opening with KMID-2, KENW-3, KACV-2 in steady and strong. Only real possibility is KVIO (ex-KAVE)--they are allocated a minus, but parent KVIA-7 is zero. Is KVIO zero, and are they //EDT stns at this time??

(Wow! We're outta space already! Keep those cards and letters coming in! Remember: try to limit submissions to higher-priority loggings! Give as much detail as you can...loggings with insufficient detail to attempt an ID will not be used. It's been real......JOHN.

OCTOBER 1990



SPECIAL NOTICE: I taped highlights of the 1990 Convention in Manassas and would like to make copies available to anyone who wants them. It's not professional, but it's a good way to get the flavor of what took place. Just send a blank cassette and return postage OR \$5.00 (and I'll take care of both). Mail to me at the address below. Specify VHS or Beta II.

BY: TOM BRYANT/849 TODD PREIS DRIVE/NASHVILLE/TN/37221

READER RESPONSE

A few months ago I asked VUD readers for contributions for the 'Time Tunnel' column. As a result, you'll soon be sharing some of the input from fellow dxers..such as a 1949 roster of stations in operation and under construction and a TV history of the Seattle/Tacoma market. The remainder of this month's column is a sketch of a fellow dxer. Although he claims to be a farmer, I suspect (after visiting with him at the convention) that the most important thing he raises on his Dixon. Illinois Farm is ANTENNAS!

MEET BILL ECKBERG

GEE...IT'S TV!: Bill's first look at tv came in 1949 when locals WOC (5) [now KWQC/6] in Davenport, IA and WHBF (4) in Rock Island, IL came on the air. That experience took place in a drug store in Tampico, IL just about a half block from the birthplace of former President Ronald Reagan. At the age of 10 Bill was hooked on tv, but it wasn't until a couple years later that he discovered the marvels of E-skip.

HI KID[s]: After watching Howdy Doody, Hopelong Cassidy and Captain Video, another 'kid' show found its way to the Eckberg 19" Hallicrafter screen..KID-tv (3) from Idaho Falls! Then KFEL-tv (2) [now KWGN] Denver, KPRC-tv (2) Houston, and CBFT (2) Montreal popped up. In fact they were all coming in on the same day in June 1952! It was about this time that Bill discovered other dxers and joined the AIPA (American Ionospheric Propagation Association). Active dxers at the time were Brown of AR; Cooper and Smith of CA; Lupton and Rauch of IL; Bingham of MO; Collins, Sheafer and Seybold of NY; Hill and Spaulding of OH; and Draeb in WI. When the AIPA disbanded in the early 60's, Bill lost interest in the hobby and was inactive for over 20 years.

BACK IN BUSINESS: About supportine on May 24, 1983, long-dormant instincts prompted Eckberg to check the channels. In the next couple of hours he had logged KMID (2-TX) at 967 miles, KNXT (2-CA) at 1629 miles, KCKT (2-KS) at 537 miles and WCBS (2-NY) at 792 miles. Here are Bill's comments about those loggings. "This cannot be! Not with en antenna 15 ft. high in the attic! Double hop to California, Great Bend at only 537 miles, and New York City just 85 minutes later? I can't recall anyone watching TV from coest to coast within 85 minutes on the same channel. I was amazed, but didn't do any more dxing until the next spring."

CELLULOID SURPRISES: On April 6, 1984 Eckberg scooped in several good catches including YSA-tv (2) from San Salvador, El Salvador! He says, "I rushed to get my camera, which still contained the film from dxing 20 years previously. I was seconds too late to get a photo (of YSR) but surprisingly, when I developed the roll in the camera, it contained some of the best pictures I had ever taken."

UP TO DATE: After the two 'double-hop' experiences in 1983 and 1984, Bill was once again hooked on dxing. His numerous catches are well known to VUD readers. However he isn't able to get everything he'd like to see. For example, he says, "Six years (in 1990) and hundreds of Es loggings later, I have not identified another double hop station. I am slso certain that I will never see coast-to-coast reception again either." In concluding his profile, Bill admits that perhaps the 'Great Spirit' [the DX god?] was determined that he be a TV dxer again! Whatever the reason we're glad he's back at it!

NEXT MONTH: Strange Bedfellows In Fergo!

46

CLAY, NY 13041 DEADLINE: the 5th

FM STATISTICS AS OF 09-16-1990

EW PIWITS			AS	OL 03-10-			
MHZ PR CALL	STATE/LOCATION DI			STATE/LOCATION D		NHZ PR CALL	STATE/LOCATIO
85-10 ES WCRP	PR GUAYAMA	2280 DBU-DK	90.70 TR KVN0	NE OMAHA	AN-IME 206	93.50 AU WLIH	MI MEM TONDO
88.10 TR	GOTTO-	1047 MDA-FL	90.70 MS WHEL	FL IN PALM BEACH	1330 BWI-HT	93.70 ES WJIT	PR SAH JUAN
AA. 10 MS KTXT		1146 FME20H	90.70 AU KWMU	MO ST LOUIS	850 JFE-NJ	93.70 TR KDB	CA SANTA BAR
88.10 AU CBAF29	PE CHARLOTTETOWN	788 DNI-NY	90.90 ES KCMM	MO WARRENSBURG	1534 JJE-CA	93.70 MS WCCM	MA LAWRENCE
88.30 ES WMIN	IN EVANSVILLE	1876 JJE-CA	90.90 TR KUNI	IA CEDAR FALLS	828 FMO-MY	93.70 AU KWYR	SD WINNER
88.30 TR KBMR	TX BROWNSVILLE	926 CH01FL	90,90 MS CBX	AT EDMONTON	1170 JJEZCA	93.90 ES KPOL	CA LOS ANGEL
88.30 MS WRBH	Ell thee discounts	1109 DMI-MY	90.90 AU KUNI	IA CEDAR FALLS	589 FMC-HD	93,90 TR WBUS	FL MIAMI BEA
\$8.30 AU WAER	NY SYRACUSE	670 ABO-IL	91.10 ES JBC-2	JAMCBOPER'S WILL		93.90 MS WANG	FL MIAMI BEA
88, 40 ES TGRT	GU GUATEMALA	1136 GHA-TX	91.10 TR XETRA	BCNTIJUANA	2518 SREIHI	93.90 AU WWWL	FL MIAMI BEA
88.50 ES WHCF	ME BANGOR	1955 PDY-TX	91.10 MS KSJN	MM ST PAUL	1123 GMA-TX		
88.50 TR WHMF	FL TAMPA	384 PDY-TX	91.10 AU KSJN	MN ST PAUL	739 DNI-NY	94.10 ES WOYE	PR MAYAGUEZ
88.50 MS WFDD	HC WINSTON-SALEM	1161 GHA-TX	91.30 ES WIPR	PR SAN JUAN	1806 CHO-OH	94.10 TR KFSD	CA SAN DIEGO
88.50 AU WAMU	DC WASHINGTON	932 JEB-MK	91.30 TR WTHS	FL MIAMI	1148 GHA-TX	94.10 MS KBTD	TX BEAUMONT
88.60 ES HILF	DR SANTO DOMINGO	1050 MDA-FL	91.30 MS CKUA	AT DRUMHELLER	1055 JJE2CA	94.10 AU KEKN	KS KANSAS CI
88.70 ES KUHF	TX HOUSTON	2001 WWI-BC	91.30 AU WCMY	NY SYRACUSE	530 RBR-MI	94.30 ES KVFM	CA SAN FERNA
88.70 TR HRLP	HONTEGUCIGALPA	1000 MDA-FL	91.50 ES RJR	JAMORACABESSA	1950 JPI-NM	94.30 TR WGMW	FL RIVIERA B
88.70 MS WHA	WI MADISON	1080 GHA-TX	91.50 TR WFSU	FL TALLAHASSEE	861 PDY-YX	94.30 MS WUUU	TH DAK RIDGE
88.70 AU WHA	WI MADISON	684 FMC-ND	91.50 MS WHMD	WI SURING	1219 GHR-TX	94.30 AU CFRW	MB WINNIPEG
88.80 ES TGRT	GU GUATEMALA	1148 PDY-TX	91.50 AU WRPI	HY TROY	512 FHE-MI	94.50 ES WCVU	FL MAPLES
88,80 TR TGRT	SU GUATEMALA	1047 MDA-FL	91.70 ES KRSW	MN WORTHINGTON	1457 JPI-NM	94.50 TR KELT	TX HARLINGEN
88.90 ES WSHA	HC RALEIGH	2069 FADIID	91.70 TR XHXL	HL MONTERREY	1101 CH01FL	94.50 MS KTSP	MN ST PAUL
88.90 TR XHM	DF MEXICO CITY	1192 ADA-FL	91.70 MS KOSU	OK STILLWATER	870 FMC-ND	94.50 AU WRVB	VA RICHMOND
AB. 90 MS WKES	TH CHATTANDOGA	868 GHA-TX	91.70 AU KRSW	MN WORTHINGTON	861 DNI-NY	94.70 ES KTYN	ND GRAND FOR
88.90 AU WABW	TH CHATTANDOGA	745 FMD-NY	91.90 ES WSIU	IL CARBONDALE	1748 JPI1CA	94.70 TR KAPT	TX LULING
89.00 ES YSR1	ES SAM SALVADOR	1246 PDY-TX	91.90 TR KBNJ	TX CORPUS CHRIST		94.70 MS KSET	TX EL PASO
89.10 ES KFAE	WA RICHLAND	1620 PDY-TX	91.90 MS WHRM	WI WAUSAU	1012 RWD-LA	94,70 AU WPTF	MC RALEIGH
89,10 TR XHRA	JALGUADALAJARA	1388 MDA-FL	91,90 AU WSIU	IL CARBONDALE	741 FMC2HD	94.80 ES TGDX	GU GUATEMALA
89.10 MS WBSM	LA NEW ORLEANS	1109 DNI-NY	92.00 ES XEBJ	TAMED VICTORIA	873 GHA20K	94.90 ES WINZ	FL MIAMI BEA
89.10 AU KMUW	KS WICHITA	651 RBR-MI	92.10 ES CJAJ	AT CALGARY	1765 DHI-NY	94.90 TR WINZ	FL MIAMI BEA
89.20 ES XEJT	TARTARPICO	974 GHA20K	92.10 TR CKY	MB WINNIPES	842 FRE-MI	94.90 MS WPCH	GA DECATUR
89.30 ES WDLM	IL E MOLINE	1696 JJESCA	92.10 MS WJGA	GA JACKSON	929 SGR-IA	94.90 AU KFMG	. IA DES MOINE
89.30 TR WPCS	FL PENSACOLA	808 RBR-MI	92.10 AU WYXE	WI SUN PRAIRIE	260 ABO-IL	95.00 ES ZFB	BM HAMILTON
89.30 MS WHKW	WI CHILTON	1168 GHA-TX	92.15 ES CMBC	CU HABANA	1299 GHAZOK	95.10 ES KRDO	CO COLORADO
89.30 AU WCAL	MM MORTHFIELD	712 SCH-ON	92.30 ES WDB0	FL ORLANDO	1743 FMC-ND	95.10 TR WJAX	FL JACKSONVI
89.40 ES TGB	GU QUETZALT	1168 GHA-TX	92.30 TR KFAC	CA LOS ANGELES	2474 SRE1HI	95.10 MS WLST	WI MARINETTE
89.50 ES WITF	PA HERSHEY	1451 PDY-TX	92.30 MS MXLH	AL MONTGOMERY	1064 JEB2MM	95.10 AU KICT	KS WICHITA
89.50 TR KENW	MM PORTALES	966 JAY-TH	92.30 AU KLIQ	OR PORTLAND	1017 FMC-HD	95,30 ES WPVA	VA PETERSBUR
89.50 HS KENW	NM PORTALES	1072 RST-IN	92.50 ES KPOX	MT HAVRE	1541 GCO-WY	95.30 TR WTLN	FL APOPKA
89.50 AU WPKN	CT BRIDGEPORT	798 ABO-IL	92.50 TR WFYN	FL KEY WEST	1089 PDY-TX	95.30 MS HONE	
89.60 ES TGDX	GU GUATEMALA	1136 GHA-TX	92.50 MS KAFM	TX DALLAS	1466 JJE-CA	95.30 AU CKDS	ON HAMILTON
83.70 ES WUSF	FL TAMPA	5386 JIESCU	92.50 AU WMHE	OH TOLEDO	749 FRC2ND	95.40 TR XHDX	TAMTAMPICO
89.70 TR WMCU	FL MIAMI	1155 PDY-TX	92.70 ES KJAZ	CA ALAMEDA	2388 MDA-FL	95.50 ES WOVV	FL FT PIERCE
89.70 MS KGCC	TX DENNISON	1131 LVO-VA	92.70 TR KJBZ	TX LAREDO	1032 CH01FL	95.50 TR KLOS	CA LOS ANGEL
89.70 AU WGBH	MA BOSTON	914 ABO-IL	92.70 MS WDUX	WI WAUPACA	431 PSA-OH	95.50 MS KDCK	KS DODGE CIT
89.90 ES WFCT	FL JACKSOMVILLE	1629 FMC-ND	92.70 AU KBRX	ME O'METLL	425 FMC-ND	95.50 AU WHPE	MC HIGH POIN
89,90 TR KBNL	TX LAREDO	1032 CH01FL	92.90 ES WSCD	MM DULUTH	1644 JJE-CA	95.70 ES WFID	PR RIG PIEDR
89.90 MS WHSA	WI BRULE -	905 LV0-VA	92.90 TR WBLX	AL MOBILE	891 NDI-MD	95.70 TR KXXA	AR LITTLE RO
89.90 AU WHSA	WI BRULE	496 FMC-ND	92.90 MS KITY	TX SAW ANTONIO	1251 CHO-OH	95.70 MS KKAJ	DK ARDMORE
90.00 ES YSU	EL SAN SALVADORE		92.90 AU WVHY	VT BURLINGTON	841 ABO-IL	95.70 AU WPTW	OH PICQUA
90.10 ES KCBX	CA SAN LUIS OBIS		93.10 ES KAMA	TX EL PASO	1818 MDI-MD	95.90 ES KDHL	MN FARIBAULT
90.10 TR KPFT	TX HOUSTON	848 JCO-FL	93.10 TR KOGD	CA LOS ANGELES	2474 SRE1HI	95.90 TR KRSL	KS RUSSELL
90.10 MS WMBI	IL CHICAGO	1063 GHA-TX	93.10 MS KBHB	SD STURGIS	1183 RWO-LA	95.90 MS KEYE	TX PERRYTON
90.10 AU KSJR	MN COLLEGEVILLE		93.10 AU XHAAA	TAMREYNOSA	918 JEB-MN	95.90 AU KHOL	MN FARIBAULT
90.30 ES XHIS	BCNTIJUANA	2066 #DA-FL	93.20 ES XHQQ	ML MONTERREY	1385 RBR-MI	96.10 ES KEZF	ID IDAHO FAL
90.30 TR KKED	TX CORPUS CHRIST		93.20 TR XHQQ	NL MONTERREY	274 GHA-TX	96.10 TR WKTZ	FL JACKSONVI
90.30 MS WHLA	MI HOTWEN	1091 GHA-TX	93.30 ES KLSI	MO KANSAS CITY	1482 JJE2CA	96-10 MS KID	ID IDAHO FAL
90.30 AU WBCL	IN FT WAYNE	704 FMC2ND	93.30 TR WFLA	FL TAMPA	984 PDY-TX	96.10 AU WKLS	GA ATLANTA
90.50 ES WSMC	TH COLLEGEDALE	2057 JJE2CA	93.30 MS KYKR	TX PORT ARTHUR	1195 PSA-OM	96.30 ES KFS8	CA LOS ANGEL
90.50 TR WKAR	MI E LAMSING	931 RWB-LA	93.30 AU WBBW	OH YOUNGSTOWN	689 JEB-MN	96.30 TR KLLL	TX LUBBOCK
90.50 MS KXCV	MO MARYVILLE	985 FNO-HY	93.50 ES KLKC	KS PARSONS	1459 JJE2CA	96.30 MS WMYR	FL MIAMI
90.50 AU CBHA	NS HALIFAX	1026 FME20H	93.50 TR KRFG	MO GREENFIELD	623 FME20H	96.30 AU WJR	MI DETROIT
90.70 ES KHMU	MO ST LOUIS	1675 JJE2CA	93.50 MS WHJT	MS CLINTON	937 PSA-ON	96.50 ES WMDD	PR FAJARDO

		CALL		TE/LOCATION D		
93.50				HEM LOHDON		ABO-IL
93.70				SAH JUAN		RCD-DI
93.70			CA	SANTA BARBARA		
93.70	#S	WCCH	MA	LAWRENCE	1501	RCO-ON
93.70	ALI	KWYR	SD	WINNER	582	AB0-IL
93.90	FS	KPOL	CA.	LOS ANGELES		MDA-FL
93.90						SHA-TX
93.90						SCH-ON
93.90	RU	MMML	FL	MIAMI BEACH	838	ABO-IL
94.10	ES	MOYE	PR	MAYAGUEZ	2263	RBR1IA
94.10	TR	KFSD	CA	SAN DIEGO	2513	SRE1H!
94.10			TX	BEAUMONT	1192	PSA-DA
94.10			KS	KANSAS CITY		DNI-H)
94.30				SAN FERNANDO		
94.30				RIVIERA BEACH		
94.30				OAK RIDGE		FAC-NI
94.30				WINNIPEG		RBR-M
94.50				MAPLES		FMCSHI
94.50	TR	KELT	TX	HARLINGEN	934	CHOIF
94.50			MN	ST PAUL	1113	PDY-T
94.50				RICHMOND		RBR-M
94.70						MDA-FI
94.70				LULING		
						CHOIF
94.70				EL PASO		ABO-II
94,70				RALEIGH		FME-M
94.80	ES	TGDX	GU	GUATEMALA	1136	GHA-T
94,90	ES	WINZ	FL	MIAMI BEACH	1948	FMC-MI
94.90	TR	WINZ	FL	MIAMI BEACH	1152	GHA-T
94.90				DECATUR		FRC-N
94.90				DES MOINES		FAC-N
95.00		ZFB		HAMILTON		RBR-#
95.10				COLORADO SPGS		
95.10				JACKSONVILLE		BHA-T)
95.10				MARINETTE		RSA-T
95.10	AU	KICT		WICHITA		RBR-M
95,30	ES	WPVA	VA	PETERSBURG	1439	FMC-N
95.30	TR	WILN	FL	APOPKA -	1029	GHA-T
95.30	MS	HONE			0	0
95.30			DN	HAMILTON	378	SRE-C
95.40				MTAMPICO		SHA-TO
95.50				FT PIERCE		FMC2NI
95.50				LOS ANGELES		SREIH:
95.50				DODGE CITY		11ESC
95.50				HIGH POINT		SCH-O
95.70	ES	WFID	PR	RIO PIEDRO	1855	DNI-N'
95.70			AR	LITTLE ROCK	1043	FNO-N
95.70				ARDMORE		DNI-N
95.70				PICQUA		FNO-N
95. 90						TIESO
95.90				RUSSELL		GHA-T
95.90						WHE30
95.90				FARIBAULT		FAC-N
96.10	ES	KEZF	ID	IDAHO FALLS	1633	MSI-T
96.10				JACKSONVILLE		PDY-T
96-10						PDY-T
96.10				ATLANTA		RBR-M
96.30				LOS ANGELES		MDA-F
				L'UBBOCK	7.7	HDA-FI
96.30		TIMES THE	974	MIGMI	1056	ABO-I
96.30	MS	MALLER				
				DETROIT		JEB-M

FRED NORDQUIST

7945 BOXFORD RD

THIS ALL-TIME FM DISTANCE RECORD UPDATE INCLUDES SWELDON REMINGTON'S SUPER RODO CATCHES INTO CA FROM HI. ALSO INCLUDED ARE SES AMO CROSS-GULF TRODO CATCHES BY MIKE DALTON IN PAST YEARS AND SOME MED GULF TROPO CATCHES BY CARLON HOWINGTON. PLEASE CHECK YOUR LOSS FOR NEW DISTANCE RECORDS AND SUBMIT THEN TO ME - 73 FRED

100.30 ES KIGO CA LOS AMBELES 2141 RDA-FL 103.70 MS KVIL TX DALLAS

100.70 MS WMJR FL FT LAUDERDALE 1260 GHAZDK 104.30 ES WKTC MC TARBORO

101.10 TR KRTH CA LOS ANGELES 2474 SRE1HI 104.50 AU WMST DH MODSTER

101.10 NS WHOE LA NEW ORLEANS 1193 SCH-ON 104.70 ES WRBQ FL TAMPA

101.50 ES WKES FL ST PETERSBURG 1533 FMC2ND 104.90 MS KTCH NE WAYNE

101.70 TR KSOX TX RAYMONDSVILLE 936 CHOIFL 105.10 AU WSOM OH SALEM

102.30 ES WPTM NC ROANDKE RAPIDS1479 JPI-NM 105.70 MS KHCB TX HOUSTON

102.50 TR KSNI CA SANTA MARIA 2361 SRE1HI 105.90 AU KBPI CO DENVER

102.70 ES KIKX CO MANITOU SPRING1498 CHOIFL 106.10 MS KLDO OR CORVALLIS

102.70 TR KIIS CA LOS ANGELES 2474 SRE1HI 106.10 AU KONT TX DENTON

102.90 ES WCCO MN MINNEAPOLIS 1571 JJEZCA 106.30 TR KPAN TX HEREFORD

103.30 MS KMTO TX WICHITA FALLS 1346 JJE-CA 106.70 AU KAZY CO DENVER

1177 MBU-CT 103.30 ES KKQV TX WICHITA FALLS 1508 WHO-CT 106.70 TR KROQ CA PASADENA

591 FME-MI 103.30 TR KEEE TX HACOGDOCHES 982 CHO-OH 106.70 MS WHAN MI DETROIT

1173 RST-IN 102.50 ES WISP FL ST PETERSBURG 1414 BELZMM 105.90 MS KOZZ MV REMO

0 ----0

100.50 TR WEAT IL JACKSONVILLE 811 FMC-MD 103.90 AU NONE

1069 JJE2CA 103.50 ES KYSN MN MANKATO

596 FAEZOH 103.50 AU KEYI TX SAN MARCOS

930 JJEZCA 103.70 ES WEZS VA RICHMOND

958 MDA-FL 103.70 AU KIIK IA DAVENPORT

1098 FMC-ND 103.90 ES KNZA KS HIAWATHA

856 GHAZOK 104.10 ES KRBE TX HOUSTON 692 FNCZNO 104.10 TR KBOX CA LGMPOC

1442 GHA-TX 104.30 MS WOME MI DETROIT

877 CHOIFL 104.30 AU WOME MI DETROIT

406 FMC-ND 104.50 TR XELTH BENTIJUANA

843 SCH-ON 104.70 TR WRBQ FL TAMPA

1202 FMC-ND 104.90 TR KIBL TX BEEVILLE

758 SWE-PA 105.10 ES KEAN TX ABILENE

0 ---- 0 105.30 ES KSMG TX SEGUIN

1576 FMC-ND 105.30 MS WLTS LA SLIDELL

1506 JPI1CA 105.50 MS WSMT TH SPARTA

986 RBR-MI 105.50 AU WXEZ DH SYLVANIA

1175 JJE2CA 105.70 ES CBU BC VANCOUVER

944 CHOIFL 105.70 AU KHCB TX HOUSTON

0 ---- 105.90 ES XHGU CHIJUAREZ

801 SCH-DM 106.10 ES WKGO MN CUMBERLAND

730 JEB-MM 106.10 TR KORI TX DENTON

1018 GHA-TX 106.20 ES VSB 9M HAMILTON

1104 CHO-OH 106.30 MS KPAM TX HEREFORD

1274 SCH-ON 106,30 AU KVWD WY CHEYENNE

473 SCH-OM 106.50 ES WSFL NC BRIDGETON

1413 PDY-TX 106.50 TR KKLQ CA SAN DIEBO

556 ABO-IL 106.50 MS WSTP MC SALISBURY

360 FMC-ND 106.70 ES WJJY MN BRAINERD

548 FME20H 106.90 ES KNRO TX COHROE

0 ---- 0 _106.50 AU WDLB WI MARSHFIELD

850 FMC-ND 106.30 ES KYDD

291 FMC-ND 105.30 TR KCBG CA SAN DIEGO

2513 SRE1HI 104.90 AU NOME

1560 JPI-NM 103.90 MS MONE

564 RBR-M1 103.70 TR KJQY CA SAN DIEGO

99.90 MS KTOM NM CLOVIS

99.90 AU KFAB NE DMAHA

100.10 ES KATO MT PLENTYWOOD

100.10 MS CBRX AT LETHBRIDGE

100.30 TR KBER TX SAN ANTONIO

100.50 MS WKEE WV HUNTINGTON

FL TAMPA

MM LUVERNE

100.10 TR WENE GA FORSYTH

100.10 AU WIVE VA ASHLAND

100.30 MS KBOX TX DALLAS

100.50 ES WCMS VA HORFOLK

100.50 AU WWKI IN KOKONO

100.70 TR KHAY CA VENTURA

100.70 AU KSBI NE GMAHA

100,90 ES KSRT CA TRACY

100.90 TR KEPS TX VICTORIA

101.10 ES CFMI BC WESTMINSTER

101.10 AU WMZU MO CARROLLTON

101.30 ES WUHR VA HAMPTON

101.30 TR KNCH TX SINTON

101.30 MS KDWB MN RICHFIELD

101.30 AU WEZO MY ROCHESTER

101.50 TR KGB CA SAM DIEGO

101.70 ES KTLO OK TAHLEGUAH

101.70 AU WILS MI LANSING

101.90 ES WCIB MA FALMOUTH

101.90 TR KEDG CA GLENDALE

101.90 MS KFMQ HE LINCOLM

101.90 AU WRIG WI WAUSAU

102.10 MS KWES TX MONAHANS

102.10 AU KFWD TX FT WORTH

102.30 AU WWSR UT ST ALBANS

102.50 MS KOIC MN WILLMAR

102.50 AU WBEN HY BUFFALD

102.70 MS KCYS WA RICHLAND

102.70 AU KORD WA RICHLAND

102.90 TR KOUE TX HOUSTON

102.90 MS KMGC TX DALLAS

102.90 AU WBCS WI MILWAUKEE

103.10 ES CKWG MB WINNIPEG

103.10 TR KCTO LA COLUMBUS

103.10 AU KJAM SD MADISON

101.50 MS WIBA WI MADISON

1108 FMC-MD 101.50 AU WBIE GA MARIETTA

101.70 MS MONE

588 RSA-TX 102.10 ES KLYX TX HOUSTON

1503 JPI-MM 102.10 TR KLYX TX HOUSTON

536 MBU-CT 102.30 TR KBIC TX ALICE

102.30 MS NONE

100.70 ES WDAE

100.90 MS MONE

100.90 AU KGAD

100.30 AU WZEN IL ALTON

MHZ PR CALL STATE/LOCATION DIST DXER-LOC

MHZ PR CALL STATE/LOCATION DIST DXER-LOC

96.50 TR KIOU TX CORPUS CHRISTI 967 ABO-IL

96.50 MS KIDU TX CORPUS CHRISTI1166 RBR-MI

96.90 AU WFPG NJ ATLANTIC CITY 705 STO-IN

97.10 TR KLSX CA LOS ANGELES 2474 SREIHI

97.30 MS KBUF KS GARDEN CITY 1240 SCH-DM

97.50 TR WPCV FL WINTERHAVEN 1027 PDY-TX

565 FME-MI

929 CH01FL

0 ----0

347 JEB-MM

1463 BELZHN

1037 PDY-TX

2040 JJE2CA

1076 SCH-ON

591 FMC-HD

1982 CH01FL

1103 RBR-MI

782 SCH-ON

1670 RSF-WY

1160 ABO-IL

703 ABO-IL

1526 JPI-WM

933 CH01FL

829 FHD-HY

686 RSE-MY

2066 RSE-NY

1142 BH9-TX

1080 FMC-HD

726 SCH-0M

2050 FAD-OR

1033 CH01FL

549 FMC2ND

1646 JPT-NM

913 CHOIFL

613 JJE2CA

684 ABO-IL

1650 RWORAT

1207 JPI-NM

1780 MDA-FL

898 MDA-FL

1126 JJE4CA

1504 PDY-TX

861 PBY-TX

552 RBR-MI

2089 MDA-FL

1104 CHO-BH

608 FMC-HD

1526 JPI-HM

1078 SHA-TX

298 ABO-IL

5560 JIESCU

567 JEB-MM

928 FNO-NY

1670 RSE-MY

1541 WHI-HJ 103.10 MS HOME

1175 RBR-MI 103.30 AU WYEE GR ATLANTA

959 RST-IN

1438 JPT-NR

96.50 AU WIIC CT HARTFORD

96.70 ES CKGL ON KITCHENER 96.70 TR KOFX TX GEORGETOWN

96.70 AU WJOL IL JOLIET

96.90 ES KVMV TX MCALLEN

96.90 TR WINK FL FT MYERS

96.90 MS WINK FL FT MYERS

97.10 MS XWEH AR CAMDEN

97.10 AU WCOW WI SPARTA

97.30 ES KLCE ID BLACKFOOT

97.30 TR KEEZ TX SAW ANTONIO

97.30 AU KDMI IA DES MOINES

97.50 ES KINT TX EL PASO

97.50 MS KINT TX EL PASO

97.50 AU WHCG NY WATERTOWN

97.70 ES CBUF BC VANCOUVER

97.70 MS WVOP GA VIDALIA

97.70 AU CHOM PO MONTREAL

97.70 TR KDUV TX KINGSVILLE

97.90 ES XETIA JALGUADALAJARA

97.90 TR WJND FL PALM BEACH

97.90 MS WHCI OH COLUMBUS

97.90 AU WSIX TX NASHVILLE

98.10 ES WTOF OH CANTON

98.10 TR KRRG TX LAREDO

98.10 MS WLEX KY LEXINGTON

98.30 ES CFLY ON KINGSTON

98.30 TR KXTO TX ODEM

98.30 MS KARB UT PRICE

98.30 AU CKLC ON KINGSTON

98.50 ES KPAC TX PORT ARTHUR

98,50 MS WIFM TH KINGSPORT

98.60 ES TGHR GU GUATEMALA

98.70 ES KBBC AZ PHOENIX

98.70 MS KMML TX AMARILLO

98.70 AU WBFG MI DETROIT

98.90 MS CIZL SA REGINA

98.90 ES WHFM MY ROCHESTER

98.90 TR WBGM FL TALLAHASSEE

98.90 AU WSPA SC SPARTANBURG

99.10 AU KBVM ID IDAHO FALLS

99.30 ES CFOX BC VANCOUVER

99.30 AU WAEW IN CROSSVILLE

99.50 ES WONG GA DOUGLAS

99.50 AU WKDQ KY HENDERSON

99.70 TR WMC TN MEMPHIS

99.70 MS WJMI MI JACKSOM

99.70 AU WHC IN MEMPHIS

99.90 ES KTSM TX EL PASO

99,90 TR KROB TX ROBSTOWN

99.70 ES KTLC TX TYE

99.10 ES KBBL CA RIVERSIDE

99.10 TR KDDA TX HOUSTON

99.30 TR WEZY FL COCOR

38.70 TR KHUS TX DALLAS

98.50 AU WSB GA ATLANTA

98.50 TR KLAZ AR LITTLE ROCK 1176 MBU-CT

99.10 MS WORK FL JACKSONVILLE 1187 JEB-MN

99.30 MS WMFC AL MONROEVILLE 975 JEB-MN

99.50 TR WQYK FL ST PETERSBURG 978 PDY-TX

99.50 MS WGAY DE WASHINGTON 1382 FMC-MD

98.10 AU KUDL HO KANSAS CITY

97.10 ES WFOX GA GAINESVILLE

96.70 MS NONE

1494 JPI-NM

2513 SREIHI

1274 SCH-0H

642 SCH-ON

1428 JJEECA

0 ----0

0 -----0

1506 IPI100

2363 SRE1HI

383 FMC-MD

745 FAC2ND

639 JEB-MN

979 PBY-TX

943 DNI-NY

0 MDA-FL

1499 WHEADN

685 JEB-MM

1486 JJE2CA

2513 SRE1HI

1166 FHO-NY

739 JEB-MM

280 ABO-IL

1526 JPI-NM

1065 JEB-HN

1065 JEB-FM

1826 FME20H

1407 JEB-MN

696 JEB-MN

1445 JPI-NA

940 CH01FL

459 JJE-CA

661 ABO-IL

1056 DHI-NY

1525 JJE2CA

1249 MDA-FL

1103 JJE2CA

1552 FAC-ND

2513 SRE1HI

969 GHAZOK

591 FRC-ND

1543 JJEPCA

2481 SREIHT

891 GHA20K

696 JEB-MM

1488 JPIICA

2290 JPI1CA

MHZ PR CALL STATE/LOCATION DIST DXER-LOC

554 FMC-MD 103.50 TR WSHE FL FT LAUDERDALE 1146 GHA-TX

1420 FNO-NY 103.50 TR KOST CA LOS ANGELES 2474 SRE1HI

712 SCH-ON 103.90 TR WBBY OH WESTERVILLE 817 DBU-OK

1743 FMC-HD 104.10 MS KJJO MN ST LOUIS PARK 1107 PDY-TX

2420 SREIHI 104.10 AU WIKY IN EVANSVILLE 559 JEB-MN

554 FMC-MD 104.30 TR KBIB CA LOS ANGELES 2474 SRE1HI

1827 RBR-MI 104.50 MS KEXL TX SAN ANTONIO 1103 RBR-MI

1492 FRC-ND 104.70 MS KIDV SD SIDUX FALLS 898 SCH-ON

819 CHOIFL 104.70 RU KIOV SD SIDUX FALLS 524 ABO-IL

716 SCH-OW 104.90 ES KSMI LA DONALDSVILLE 1375 FAC-ND

573 RBR-MI 105.10 TR KKGO CA LDS ANGELES 2474 SRE1HI

1435 JPIICA 105.10 MS WYOR FL CORAL GABLES 1147 RSA-TX

2474 SREIHI 105.30 AU WDAS PA PHILADELPHIA 611 RBR-MI

849 PSA-ON 105.50 ES WRAR VA TAPPAHANNOCK 1430 FMC-MD

603 FMC-MD. 105.50 TR WGUL FL NEW PORT RICHE 959 GHA-TX

692 ABO-IL 105.70 TR KSTV TX STEPHENVILLE 981 CHO1FL

666 RBR-MI 105.90 TR WAXY FL FT LAUDERDALE 1146 GHA-TX

HO BOLIVAR

104.50 ES WEAT FL W PALM BEACH 1895 FAC-ND

ALL TYPE				
ALL-TIME	±R.	DISTA	NCE RE	CORDS

HHZ			STA	TE/LOCATION	DIST D	XER-LOC
106.90	TR	XHPJ	NL	MONTERREY	1101	CHOIFL
106,90	MS	MKXX	AL	BIRMINGHAM	956	JPI-NM
106.90	AU	MSWT	It	PEDRIA	557	FMCSND
07.10	ES	WLCF	NC	SOUTHPORT	1578	FACSND
107.10	TR	KFLZ	TX	B1SHOP	928	CHOIFL
107.10	MS	KDUZ	BH	HUTCHINSON	620	GHAZDK
107.10	AU	HONE			0	0
107.30	ES	MMBA	FL	ST PETERSBURG	1707	FACSHD
107.30	TR	KOSZ	CA	GROVER CITY	2365	SRE1HI
107.30			FL	ST PETERSBURG	1091	PSA-ON
107.30	Au	WEGL	DH	ELYRIA	613	JEB-MM
07.50	ES.	MBAO	PA	BOYERTOWN	1505	GHA-TX
07.50	TR	KLVE	CA	LOS ANGELES	2474	SREIHI
07.50	MS	KNOK	TX	FT WORTH	1298	SCH-ON
07.50	AU	KPPL	CO	LAKELAND	699	JEB-MN
07.70	ES.	MAAA	GA	GAINESVILLE	2040	JJE2CA
07.70	TR	MHCT	NC.	GREENVILLE	839	RLE-LA
07.70	MS	KWIC	TX	BEAUMONT	1192	PSA-ON
07.70	AU	KKSS	NO	ST LOUIS	661	FMC2ND
07.90	ES	WFSI	MD	ANNAPOLIS	1423	PDY-TX
07.90	TR	KHAE	CA	SAN CLEMENTE	2499	SREIHI
07.90	MS	KULY	TX	EDINBURG	1062	ABO-IL
07.90	AU	WAUR	IL	AURORA	824	лви-ст

KEY TO FM DISTANCE DXER INITIALS/LOCATION

INIT DXER NAME	D.V	ER LINCOTTON	DXER	COORDIN	ATES
BEL- BRUCE ELVING	AN	ADDLF	46	47 32	HLM 6
BELZ BRUCE ELVING	HN	DULUTH	46	47 32	6
DBU- DANNY BUNTIN	ÐK.	STILLWATER	36	7 97	4
DNI- DAVID NIEMAW	MY	AKRON	43	1 78	30
FMG- FRED MCCGRMACK	ND	DES LACS	48	17 101	25
FACE FRED MCCOKMACK	ND	FARGO	46	52 96	48
CHO COED HODDOUTET	W.T.	MILAM	42	5 83	40
TOY - TIM OVEDE	MI	LUNT	43	8 76	-8
TER- TOWN ERE! THE	100	DI COATHOTON	22	51 86	23
TERP JOHN ERELING	54	DEDUNTAGION	44	30 33	27
JEE- JOSEPH FELD	HT	S OF OTHERE D	40	25 74	36
JJE- JOHN JEFFERSON	63	CUMCBER	37	59 199	50
JJE2 JOHN JEFFERSON	CA	PLEASANTON	37	40 121	52
JPI- JIM PIZZI	NH	LOVINGTON	32	57 103	21
JPI1 JIM PIZZI	CA	ORCUTT	34	57 120	26
MBU- MIKE BUGAJ	CT	EMFIELD	41	58 72	36
PDY- PAT DYER	TX	SAN ANTONIO	29	28 98	36
KSI- KALPH STROBEL	IH	MUNCIE	40	11 85	53
SUE- SHUL CHERNUS	GM	BURNT RIVER	44	39 78	42
NAU- DIEAE REPI	PH	MAVERTOWN	39	59 75	18
ANT- BILL MULLHAM	41	BUZKAM	41	20 72	36
ARO- ONDY ROLL	1)	CLIFIUM	90	33 /4	8
BEL3 BRUCE FLUTNG	NE	KEDSMEA	40	42 90	10
CHO- CARLON HOWINGTON	DH	HATONTOUN	40	50 01	25
CHO1 CARLON HOWINGTON	FL	ST DETERSBURG	27	46 82	78
DAL- DOUG ALLEN	CO	HOODLAND PARK	39	0 105	73
MO- DENNIS MOE	IA	ANGSGAR	43	53 35	55
CO- ERNEST COOPER	MA	PROVINCETOWN	42	3 70	11
HU- FRANK ADEN	OR.	BEND	44	3 121	19
HDI FRAMK ADEN	ID	BOISE	43	37 116	13
UCC LKHNY WERKITT	UH	TOLEDO	41	39 83	35
HO- CLEAN PAICED	MI	WILLIAMSVILLE	54	59 78	43
HOS CLEAN MANGEN	1.7	ANN OKUI	54	18 98	31
CO- JOHN FOMRS	EL	UNI ONUN	36	19 9/	98
JEA JOHN JEFFERSON	ro.	DALTIGON	28	1 121	63
PIZ JIM PIZZI	CA	SONTO MORTO	74	57 120	97
PU- KEITH PUGH	AL	HEW HOPE	34	32 86	24
VO- LARRY VOGT	VA	SPRINGFIELD	38	45 77	13
DA- MIKE DALTON	FL	CLEARWATER	27	58 82	48
MI- MAITI NITT	BC	VANCOUVER	49	16 123	7
MEIL DICKERSON	MD	SHARPTOWN	38	26 75	38
ORT PETER SHIMITERY	UN	MHIERLDO	43	28 80	31
SR- PHICE BRUWN	TH	HILES	42	2 93	7
CO- ROBERT COORER	U.T.	DVI AUGUS CTTV	42	5 86	29
LE- RON I FRI ONC	T O	MUDDEOU CILL	33	E0 9/	SE
SE- ROBERT SEYROLD	MA	DUNKTOK	43	20 70	20
WO- RICHARD WOOD	1.0	BATON ROUGE	30	27 91	11
WOR RICHARD WOOD	AT	MEDICINE HOT	50	3 110	40
GR- STU GRADE	IA	SIOUX CITY	42	30 96	23
ME- SHELBY REMINSTON	CT	NEW HAVEM	41	18 72	56
ME1 SHELDON REMINGTON	HI	UPPER KAPOHO	19	29 154	53
HU- STEUE TOACCE	TN	VINCENNES	38	41 87	12
EL STEAK TOHLLE					
RET TO PR DISTANCE DEE INIT DEER NAME BEL BROCE ELVING BEL BROCE ELVING BBU- DRANY BUNTIN DISTANCE ELVING BBU- DRANY BUNTIN DISTANCE ELVING BBU- DRANY BUNTIN PRO- FRED NECORRAEX PRO- FRED NECORRAE BUSEZ JOHN EBELING JIES JOHN JEFFERSON PRO- JUN JEFFERSON PRO- FROM JEFFERSON PRO- JEF	KY	LOUISVILLE	38	16 85	45

50.0		- BALES					USA						100	STIC
PU	#	DXER	#	DXER	IPU	#	DXER		DXER	IPU	#	DXER	#	DXE
AL AX AX AX AX AX AX AX AX AX AX AX AX AX	82 49 11 146 102 0 28 179 168 120 89	KPU- JJE3 DDY- DDU- JJE2 ABU- SWE- DBU- KPU- Mone DBU- FME1 RST- RBR- DBU- RST- RST-	67 41 10 141 80 0 26 179 112 97 78	PDY- RST- DBR- JEB- TBR-	THE CHAIN THE CANAL THE CA	94 142 160 78 89 28 44 27 74 45 201 94	RSA- RST2 JFE- RST2 RST- JEB- KPU- JJE2 PDY- RST2 JFE- JJE2 FND- MSI1 FMC-	30 48 77 139 146 64 84 25 44 16 61 44 165 78	SMA- FAE- JEBS TMC- JEB- JPI- KPU- DBU- DBU-	IOK IOR IPA IKI ISSC ISSD ITM ITX IUT IVA IWA IWA	31 153 14 52 39 110 290 29 14 59 46 38 132 24	DBU- JPI- DNI- HNO- PDY- KPU- PDY- KPU- PDY- KPU- FACZ RST-	511 29 128 128 46 333 93 211 22 133 53 30 33 120 24	FMO- RSTE DBU- FMCE JAY- RSA- DBU-

CAMADA/MEXICO/FOREIGN STATS

PU	# -DXER	# -DXER	IPU # -DXER	# -DXER IPU	# -DXER	W -DXER I
CAMAI AB BC MB MB MF NS ON PEI	26-JJE2 20-JJE2 15-FMC- 9-FME1 13-FMC- 15-FME1 104-DMI- 2-JFE-	24-JEB2 8-JEB2 13-FMC2 6-RST- 12-DNI- 9-KPU- 76-FNO-	MEXICO (CONT)		2-TMC- 3-JJE2 2-TMC- 7-PDY- 9-JPI- 2-JPI-	0-None 3-PDY- 2-PDY- 6-KPU- 6-KPU- 2-PDY-
PQ SK NHT	28-FME1 8-FMC- 1-WHE2	24-DNI- 1 8~FME1 1-JEB2	JAL 12-TMC- MEX 3-JPI- MIC 3-JPI- MOR 5-PDY-	0-None IFOREIG 10-PDY- ICUBA 3-PDY- IBELIZ 1-PDY- IBERAU	5-FAE1 3-PDY- 3-DNI-	3-JFE- 1-JPI- 2-FNO-
MEXICO AGU BCN BCS CAM	1-JPI- 14-PBY- 1-PBY- 1-JPI-	0-None 10-FAC- 10-None 1	ML 16-PDY- GRX 1-JPI- NRY 1-PDY- PUE 5-PDY- SIN 2-JJE2	3-JPI- IEL SA 14-KPU- IGUATE 1-PDY- IHONDU 0-None IJANAI 4-TRC- IPUERT 1-DBU- ID.REP	4-PDY- 10-PDY- 2-KSI- 14-KPU- 4-KSI- 1-KSI-	1-KSI- 4-KSI- 2-PDY- 3-JPI- 1-DMI-

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DERY'S LOCATION. FIRST AND SECOND PLACE DEERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED DUE TO SPACE CONSTRAINTS....(5)4).

KEY TO DXER INITIALS/LOCATION

ANI - ALAM BEL2 SHUCE DOL- DOUG DBR- DAVE DBU- DANYD DNI- DAVID DOL- DAVID DOL- DAVID DOL- DAVID FMC- FRED	ATCHALEK ELVING ALLEN SRUMFIELD SRUMFIELD BUNTIN HIERRA DOBELL DETTIN HODGENACK ACCOGRAGA ACCORRACK ACCORR	HEN MIN CAKE GALL	DULLTH DULLTH DULLTH MODELTH MODELTH MODELTH MODELTH ARCH ARCH ARCH ARCH ARCH ARCH ARCH ARC	
MRU-MISE MS1-MATT MS1-MATT MS1-MATT MS1-MATT MS1-MATT MS2-MATT MSR-ROBERT MSR-ROBERT MSR-ROBERT MSR-ROBERT MSR-ROBERT MSR-ROBERT MSR-ROBERT MSR-MST-RALPH MST2-RICHARD MST2-RICHARD MST2-MST-MST-MST-MST-MST-MST-MST-MST-MST-MST	BRANDENBURG	TX TA TX NJ NA DM PA KS	KINGSPORT SAN ANTONIO AMES BURNETT E BRUNSWICK GLOWICK MIDGETE	

ANARG UPDATE

THE FUTURE OF ANARC - AN EDITORIAL

(Note- the views expressed in this editorial are those of the author, and do not reflect the views of the WTFDA Executive Board or the club membership.)

The 1990 ANARC Convention is now history and there is an indication that it may be the last annual convention. ANARC as an organization no longer generates the interest or excitement that was so evident when I became wITFDA's ANARC Rep. At one time ANARC was involved in many areas of the DX Hobby. There were many fine and well attended conventions. Now a sponsor can not be found for the 1991 convention. In the past, ANARC has been actively involved in lobbying on legislation that affected our hobby. Now, while the challanges are now greater, can ANARC defend ws?

What has caused ANARC's decline? ANARC has always been an organization that needed a strong involved leader. The years that Terry Colgan and Bob Horvitz led ANARC as Executive Secretary, the organization was active and involved. As a volunter organization, it is hard to find such a leader, one who has the time, ener-

gv. expertise and connections.

AMARC has always had a problem with direction. It has been unable to focus in on its goals, who it should represent and how it should operate. Is ANARC an organization that oversees the operations, and the promotion of the radio DX Hobby Clubs? Does it represent all radio hobby listeners? Shortwave listeners? Short-

Wave DX'ers?

Is it time for ANARC to "pack it in"? The answer is NO! ANARC needs to define its direction. The primary purpose of ANARC is to oversee the Radio DX and listener clubs. It should publicize the activities of these clubs. It should advise clubs on how to deal with problems that all the clubs are now facing-declining memberships, rising costs, and putting out better club bulletins. Conventions should be showcases of the clubs and their activies. Included should be senimars for column editors, improving the operation of a club, and roundrobin dissussions of common (and uncommon) problems faced by all clubs. The ANARC Newsletter sould do more to spotlight the clubs by publishing noteworthy articles from each club bulletin.

The time is now for ANARC to review the organization's future. Failure to

do so will lead to its demise.

SPRACHMAN'S CORNER

Pop culture and radio: Have you heard the country music song by Lionel Cartwright called "I watched the world on my radio". In the song, he sings about listening to distant AM radio stations at night when he was a child. In the theatres, now playing is the movie "Pwmp Up the Volumn" about a teenager who runs his own pirate radio station. (I think I'll weit until it is in the video stores.)

Speaking of pirate radio stations, Nassau County's pirate FM broadcasts were sporatic this summer. WFPR 91.9 Floral Park was the most consistent with broadcasts on Thursday and Sunday evenings. Then the operator of WFPR was busted by the FCC (again) in August. Since then all the pirates have been silent. I'm sure we haven't heard the last of WFPR!

We've done some travelling this summer. In May we spent a week in Southern Florida. We drove all over, from the Keys to Fort Myers to West Palm Beach. Our base was North Miami, were I got a detailed bandscan. I had one mystery station, what sounded like a pirate station on 91.7. The station never ID'ed. It played urban contemporary music and broadcast telephone calls over the music. They had

plenty of phone callers. They were on the air each weeknight in the early evening. I could not find any listing of a station on 91.7 in Dade, Browerd, or Palm Beach Counties. Anyone out there with any ideas?

I was surprised at the number of stations in the Florida Keys. The only one to make it to N Miami was WKLZ 102.1 Rock Harbor.

In August we spent a long muggy weekend in Cape Cod MA. The weather was perfect for Trops. It did not take much to pick up WBOC-16 Salisbury MD on my cheap portable 5" B&W TV. What really surprised me was the fairly decent reception of WLNG 1600 Saq Harbor NY during the day.

This leads us to the East End Of Long Island. The deal between WWHB 107.1 Westhampton Beach and WBAB 102.3 Babylon fell through. Then the management concluded a secret agreement to simulcast WNEW-FM 102.7 New York. WWWHB will insert local Ads.

(continued on page 6)

guidelines for better whi results

BY MARK MCCARTHY/LAKESHORE COMMUNICATIONS

Did you ever wonder why the UHF TV spectrum is the way it is now? DX targets aplenty populate the band, both strong and weak. Here is where you can find the i kilowatt L.P.T.V.'s and 5000 kilowatt "big stick" full service stations co-existing side by side. All are "fair game" for the DX enthusiast. There are some real challenges on this band! The history of the UHF TV band is interesting especially if you considered that it used to have —and sometimes still has—a bad name among the public. After so many years of business flops, poor quality TV tuners, bad word-of-mouth, overpowered or underpowered transmitters, etc., UHF has finally come into its own. Now most of the reason for the band's success is due to cable—TV — cable systems usually can do a better job of receiving the UHF signal off the air in the first place, and then they can put it on a "primo" basic service VHF channel within their system.

DX'ers might be surprised to know that much of the F.C.C.'s current policies toward the "upstairs" band stems from a study they commissioned from Georgia Tech about ten years ago. In fact, the data from the study may have "paved the way" for the current L.P.T.V. boom. After all the years of flops in the 1960's and 70's, they wanted to know why people were still having trouble getting the signals. After all they had already mandated 'click' type UHF (DETENT) tuners, authorized full service effective radiation powers (E.R.P.'s) of up to 5000 kilowatts, and the manufacturers promised tuners would improve with increasing use of lower noise figure devices such as Field Effect Transistors in the tuners. What Georgia Tech told the F.C.C. about UHF is still of great use to us as TV DX'ers. They actually went out and acquired antennas, lead-in, pre-amps, splitters, baluns and the like "off the shelf" and tested them. Their goal was to evaluate a random sample of UHF TV reception equipment and to do performance evaluations. What came out of this testing is what we are most interested in as DX'ers. Although a few of the companies whose products were evaluated will never admit it (the brand names involved were confidential, but were eventually made public), the results may have actually caused some manufacturers to pull some of their models off the market.

Some of the study's conclusions are pretty well obvious to us all. It said, for example, that UHF-only antennas average better gain than a VHF-UHF 'combo" antennas (and outperform them in other specification areas such as horizontal-plane beam width, etc.). Aside from the obvious, here are the most important things that anyone — from DX'en to just someone who wants better results for watching their off-air UHF stations — should note:

1.) THE MOST IMPORTANT SPECIFICATION OF A PRE-AMP IS THAT OF ITS NOISE FIGURE. That is correct — not gain. Gain is important to compensate for lead in line loss. In a UHF DX pre-amp it should average at least 20 db or higher but beware as approaching 30 db in pre-amp gain increases cross modulations and overloads from moderate strong stations). But it is the noise figure of the mast mounted preamp that sets the "noise floor" of your signal reception system. All the gain in the world won't help at all unless the noise figure is sufficiently low. Even in this day and age of low-noise solid-state devices and narrower bandwidth (channels 14 through 69 coverage — rather than 14 through 83 — is now the standard) the best UHF tuners available on the market offer noise floor figures of not lower than about 9 db. Therefore, you need a preamp with a noise figure lower than that to see a real improvement on weak signals. You can buy MATV-type UHF mast-mount preamps with noise floor figures of around 1 db or lower. The WINEGARD PA-4975 or the BLONDER TONGUE CMAU series are your best bets with several other very good alternatives including HAMTRONICS LNG'S that offer noise floors of 0.8 db. Some models for the experimenter offer even lower noise!

2.) THE PRE-AMP MUST BE MOUNTED AS CLOSE AS POSSIBLE TO THE ANTENNA TERMINALS IN ORDER TO PRODUCE THE BEST RESULTS. This is REAL important. Feedline — no matter how good it is rated — always produces loss. The more line between the antenna terminals and the input of the preamp, the less signal that gets to be amplified. A very weak DX signal may not have enough microvoltage to produce any thing recognizable through the pre-amp if it goes through five feet of line from antenna terminals to pre-amp. The same signal may be identifiable if it were to go thru only one foot of line before getting into the pre-amp. In short, the less loss from antenna to pre-amp results in the greater signal from preamp to TV set.

3.) THE FEEDLINE IS VERY IMPORTANT AND SHOULD BE AT LEAST RG6 COAX CABLE. The standard 75/ohm RG59 does not do well for the best weak signal action. Better than that (but considerable more costly) is the RG11 -- RG11 with stranded rather than solid center conducter is slightly better that the standard RG11. And best of all would be the 75 ohm cable—TV aluminum trunk line if you have a long run of 100 ft. or longer down a tower. Because of expense and increased degree of difficulty in working with trunk line not to mention exotic type connectors required RG11 or RG6 are your far better choices for home installations.

4.) BEWARE — SOME BALUNS HAVE HIGH LOSS. The balun is a "necessary evil" when using coax cables because you need it to match your antenna terminals to coax when using the best available pre-amps, and then again at the 300/ohm terminals if your TV set has them. Georgia Tech found off the shelf baluns ranged from 0.3 db of loss insertion on UHF (best case) to 2.7 db (worst case). Two of the best baluns would insert only around 0.6 db into a UHF reception set-up—but if you used the worst, you'd have a "whopping" 5.4 total balun insertion loss — thats quite a big difference! The real bad news is that they found that there was often higher loss in the more expensive baluns and even a large variation (as much as 0.9 db) between different units of THE SAME MODEL! What it implied was quality control may not be good in this type of accessory and even worse it can mean that a \$2.00 balun can be better than a \$5.00 one!

Anyone further interested in this topic should refer to RADIO-BLECTRONICS magazine of July 1981 which carried the first in depth coverage of this study to identify the actual equipment models involved in the test. A more up to date test of a similar nature by an L.P.T.V. broadcasting professional association may take place in early 1991 pending the cooperation of an independent testing laboratory and another educational institution. If possible, I will submit a report on it in a future issue.

PHOTO NEWS

OCTOBER

1990

Mailing Address: PHMITO-NEWS 12284 Nice Rd - Akron NY 14001-9529 Photos submitted to PHOTO-NEWS become the property of this culumn and will not be returned.

EDITED BY David J. Nieman

Dur first report is from Davy Neimen - Akeron You Nork [zap cord] 1144000011 "Beemans" DX equipment is: RCA 19" b&w w/Teknika 6510 tuner, Channel Master (CM)36108 VHF at 16' AGL, CM 7' UHF dish w/Blonder-Tongue CMA-Ub preamp at 40' AGL using RG-11 coex for both antenne.



WGKI-33 Cadillac, Michigan 350 mile tropo seen March 13, 1990 at 0921 EDST



W38AW
Rochester, New York
49 mile tropo
seen April 20, 1990
at 1244 EDST

Mike Hollis - Mary Esther, Florida TV DX equipment: JVC & Sanyo 19" televisions. Finco P-7 UHF dish, Channel Master 3617B for VHF turned by a Alliance HD-73 rotor on a 30 foot Rohn 25G tower. Mike uses preamps for both VHF/UHF reception.



KXXV-25 Waco, Temple, Killeen, Texas 660 mile tropo seen April 30, 1990 at 0435 CDST

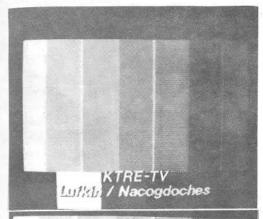
more from Mike on next page....

PHOTO NEWS

DCTOBER 1990 page 2

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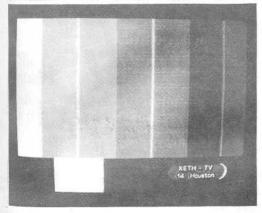
More from Mike Hollis....



KTRE-9 Lufkin, Nacogdoches, Texas 500 mile tropo seen April 30, 1990 at 0448 CDST



KRIV-26 Houston, Texas 530 mile tropo seen April 30, 1990 at 0455 CDST



KETH-14 Houston, Texas 530 mile tropo seen April 30, 1990 at 0500 CDST

the conclusion of Mike's foto file coming up....

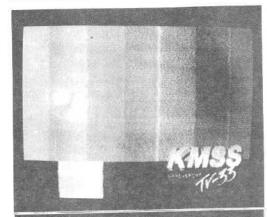
PHOTO

OCTOBER 1990 page 3

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EDITED BY David J. Nieman

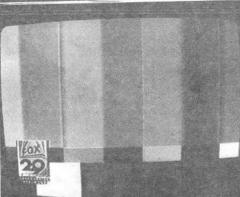
and now; the final fotos from fantastic Florida....



KMSS-33 Shreveport, Louisiana 460 mile tropo seen April 30, 1990 at 0539 CDST



KETK-56 Jacksonville, Texas 530 mile tropo seen April 30, 1990 at 0543 CDST



KUHP-29 Lake Charles. Louisiana 390 mile tropo seen May 3, 1990 at 0555 CDST

Thanks Mike for your support of this column. Till next time. DAVE

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