

# Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

SEPTEMBER 1993



# 54

# WFXG-TV

# AUGUSTA

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Digital Data on  
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The National Geophysical Data Center (NGDC) provides several digital data sets on compact disk (CD-ROM). Below is a comprehensive list of previously advertised CDs of data from NGDC's Solar-Terrestrial Physics Division. For your convenience, an order form is provided on the back of this flier. The prices listed here are valid through September 30, 1993.

**GOES Space Environment Data:** This CD-ROM contains X-ray, Magnetometer, and Energetic Particle data measured by NOAA's Geosynchronous Operational Environmental Satellites (GOES). These data are an excellent resource for studying solar activity and its effects in near-earth space. Previously announced under Data Announcement STP-92-5. Price: \$203

**Neutron Monitor Data:** This is a "write-once" CD-ROM written in ASCII text files containing cosmic ray data from neutron monitors operating in many parts of the world with data going back to 1953. Previously announced under Data Announcement STP-92-3. Price: \$203

**Flares in Hydrogen-Alpha:** This is a "write-once" CD-ROM written in standard ASCII text files containing solar flare records grouped by year from ground based observations. Data include reports (1938-present), events (1955-present), patrol (1955-present), and indices (1955-1980). Previously announced under Data Announcement STP-92-4. Price: \$111

**Regions of Solar Activity:** This is a "write-once" CD-ROM written in standard ASCII text files containing records of Ca plage regions and sunspot groups. Records are grouped by year and by station. Plage observations are from Big Bear (1981-1987), Hale (1979-1981), McMath (1942-1979), AGD Table (1969-1982), and Indices (1970-1987). Sunspot observations are from Catania (1978-1987), Greenwich (1874-1982), Mt Wilson 1962-1991, Rome (1958-1989), and US Air Force (1981-1991). Previously announced under Data Announcement STP-92-4. Price: \$111

**Solar Radio Bursts:** This is a "write-once" CD-ROM written in standard ASCII text files containing solar emissions recorded since 1960 at ground observation stations, available on this CD at discrete and sweep frequencies. Previously advertised under Data Announcement STP-93-4. Price: \$111

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National Geophysical Data Center

# Nashville

1993

## CONVENTION REPORT

### Hot Temps, Hot Trops, Hot Times in 'Music City'

[written by Tom Bryant and Doug Smith]

*(As co-hosts of the Nashville Convention we found it difficult to be totally objective in preparing this summary. Please excuse us if we seem to be tooting our own horns...but it WAS a helluva good get-together!)*

Shortly after 9 AM on Friday July 23 WTFDA's 1993 convention officially opened for business. As club members arrived they were presented with a name tag and a bag of goodies including bumper stickers, caps, T-shirts, key chains, coverage maps, tourist info, etc. Local broadcasters were generous with their contributions, and the retail value of each sack was between \$10 and \$15.

Three monitoring posts began to take shape about noon, and were up and running by 1:30 PM. Jim Dietrich brought antennas, rotors, baluns and pre-amps; and Doug Smith supplied tripods, masts, and setup help. Another club antenna expert, Doug Allen, pitched in to get the whole thing operational. Tom Yingling made a major contribution by letting us use his tv receiver and ICOM tuner. During the first half of the gathering the FM setup utilized a Carver tuner on loan from Dave Nieman; and Doug Smith's Technics tuner saw duty for the remainder of the weekend. Another setup at the other end of the convention room was dedicated to tape playback.

The 9th floor convention site was ideally suited to our group. Small tables in the one-time skytop bar were filled with photos of dx catches along with historic QSL and promotional material. Two larger tables housed extra giveaway items and a display of RDX Labs products. The UHF and VHF receiving sites were located side-by-side at the north end of the large room, and the FM installation was about 15 feet back toward the west side. The bar area was stocked with soft drinks and snacks. There was plenty of elbow room, and in spite of the 100 degree + heat index, the air conditioning system managed to keep the large glass-enclosed room comfortable.

By late Friday afternoon about half of the group had arrived and the 9th floor of Days Inn Central was buzzing with activity.

During the course of the convention many of our guests spent time away from the meeting site to explore area points of interest. Several went to the Friday Night Grand Ole Opry; some headed for the big regional shopping malls; and a few ferreted out antique shops. A small group made a pilgrimage to the WSM-AM transmitter; a large number enjoyed the German atmosphere and food at the Gerst House Restaurant; and one carload even made a side trip to Bowling Green, KY to visit stations and get T-shirts!

continued - next page

1993 CONVENTION REPORT - continued

Late Friday evening everyone eventually made it back to our meeting site to visit, dx, and enjoy the spectacular view of the Nashville skyline. Fortunately, there was a lot to look at and yak about; because the dxing was mediocre. Normal tropo activity produced catches in the 200-300 mile range...certainly nothing to get excited about. (Note: although some CCI was spotted on 2 at times, no Es was logged.) By 2 AM the crowd had thinned considerably; and by 4 AM everyone had given up for the night. Maybe tomorrow would be better!

When the convention room re-opened Saturday morning, activities resumed almost as if there had not been an overnight pause. Tour groups were organized and headed out for WSMV (channel 4) and WSM AM/FM. After a noon lunch break the second set of station tours got underway; and by 4PM everyone was back at the Days Inn Central in time to get ready for the banquet.

Tom and Doug had decided that a southern flavor would be a nice touch for the banquet menu, and the results were excellent. In a cozy meeting room on the first floor, 33 dxers and guests were treated to generous servings of southern-fried chicken, southern-style green beans, potatoes and gravy, and a yummy peach cobbler. The hotel banquet staff came through with flying colors (Confederate flags..maybe?)!

As the tables were cleared, Tom Bryant welcomed those attending and introduced the first guest speaker, Mr. Aaron Shelton; retired Chief Engineer of WSM, Incorporated. Aaron spent the next hour sharing memories of his nearly 50 years in the industry. His talk ran the gamut from humorous stories about Opry stars to the early days of AM; W4TNV (claimed by WSM to be America's first commercial FM station); the shaky startup of WSM-tv; and a host of technical innovations along the way.

After Mr. Shelton's talk and a short break; Doug Smith spoke briefly about several upcoming industry developments including HDTV.

There was a drawing for door prizes, then a DX QUIZ based on VUD items published during the past 12 months. The quiz produced laughs, gasps, and groans; and seemed to be a popular feature. There were prizes for low and high test scores; plus some confusion as to how to award them as the hosts (Bryant, to be specific) hadn't planned on any ties.

After the quiz, the formal portion of the meeting concluded as we all paraded by NRC member Ernie Wesolowski's camcorder to say howdy! (Ed. note: Special thanks to Ernie for his assistance in helping a WTFDA member who experienced major car trouble. Ernie is truly a credit to our hobby and the human race!) A special invitation had been extended to the radio-only clubs, and several IRCA and NRC members joined us for the weekend. Ontario DXer Dave Whatmough showed up in his much-traveled "DX-Mobile"...a real treat for those who hadn't seen it before.

By 9:30 Saturday night the 9th floor convention room had filled up again and the non-stop gabfest was back in high gear. Trops were up, too! Nobody said much, but you could sense the vibes that big things were going to happen...and they did!

About 2:30 AM Sunday morning all hell broke loose...and an opening the likes of which had never been seen by Nashvillians filled our screens (and FM gear) with a non-stop parade of tropo visitors from Arkansas, Oklahoma and Texas. There were still about 10 people up at the time; including dx 'king' Bob Seybold who was reeling in new loggings at a frantic pace. Greg Coniglio and Matt Sittel were getting equally amazing results at the FM outpost. Oddly enough, the crowd increased as word of the big opening spread. People actually got out of bed to get in on the action! By 5 AM we had seen and heard stations from just about everywhere in the Lone Star State...but only a few hard-core nightowls were on hand to witness the grand prize catch...a Texas U at 790 miles.

continued - next page

1993 CONVENTION REPORT - continued

A total of 22 VHF, 71 UHF, and approximately 75 FM loggings was recorded during the three-day period. Convention Technical Coordinator Doug Smith compiled the following report assessing our facilities; and the major catches of the weekend.

The DX installation had its advantages and disadvantages. The high elevation and short feedlines made for no real problems with physical obstructions or line loss. But, the presence of 9 TVs within 10 miles (including 3 LPTVs less than a mile away) and 12 FMs meant some strategy was necessary to avoid overload. For awhile on Sunday morning, the preamp on the UHF antenna was replaced with a balun to allow DXing the lower UHF channels without excessive overload from WZTV-17.

Local LPTVs were playing games with us, with W68CG choosing to move, the week before the convention, from a site 12mi. away, to one less than a mile away. They also went off the air several times during the convention, allowing logging of WKMJ-68 Louisville, but they were on, and a pest, for most of the Texas opening. W36AK, also within a mile of the convention site, was off for most of the convention; their primary, WPGD-50, was also off quite a bit, and spent several hours Sunday morning sweeping their transmitter.

There was an excellent tropo opening to the west on Saturday night; this cost several DXers most or all of a night's sleep. The opening centered on the Dallas/Ft. Worth area, with 5 FMs and 7TVs from that market logged; a variety of other Texas FM/TV stations were logged. Best FM DX was KCWS-102.7 Merkel (777mi.), just west of Abilene; best TV DX was KVDA-60 San Antonio at 790mi. Also logged during the opening were a number of Oklahoma TVs and Arkansas FM/TVs. Someone (I believe it was Greg Coniglio) logged an Arkansas Class A at 352mi.!

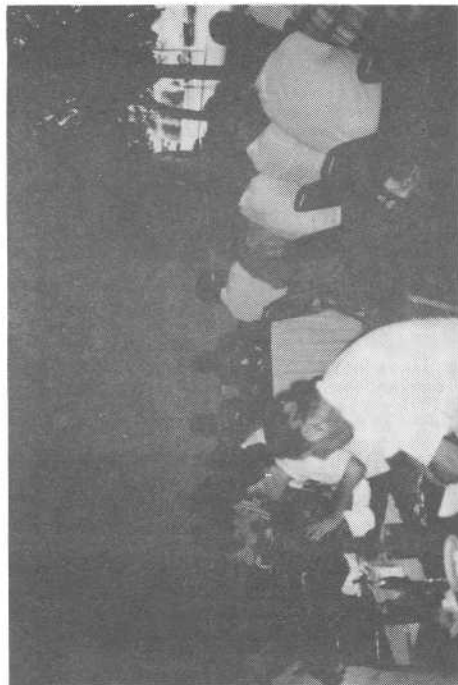
Before and after the opening, other less exotic DX was seen and heard. Because of overload from the Knob Rd. tower (WSMV-4, WZTV-17, WSM-95.5) and three LPTVs downtown, most DXing was done to the north, with most stations heard being in the western 2/3 of Tennessee and Kentucky, or in southern Indiana and Illinois, though WRGT-45 Dayton and WINM-63 Angola stretched the paths in those directions.

A quickie list of the more exotic DX seen/heard:

FM:		TV:	
WBGL-91.7 IL	KZPS-92.5 TX	KATV-7 AR	WFAA-8 TX
KZLE-93.1 AR	KOYN-93.9 TX	KETG-9 AR	KWTV-9 OK
KHLT-94.1 AR	KOLL-94.9 AR	KTEN-10 OK	KTHV-11 AR
KKTX-96.1 TX	KTUX-98.9 TX	KAFT-13 AR	KTBO-14 OK
KPLX-99.5 TX	KTCS-99.9 AR	KTXA-21 TX	KDFI-27 TX
WYMG-100.5 IL	KCJC-100.9 AR	KHOG-29 AR	WHOA-32 AL
WFPC-100.9 IN	KWWS-102.7 TX	KDAF-33 TX	KOCB-34 OK
KKIX-103.9 AR	KSNE-104.3 AR	KRSC-35 OK	KASN-38 AR
KYNG-105.3 TX	KTEI-105.5 AR	KFTO-41 OK	KTLC-43 OK
KYKX-105.7 TX	KSTV-105.7 TX	KWKT-44 TX	KXLN-45 TX
KHKS-106.1 TX	KOOI-106.5 TX	KWHB-47 OK	KHSX-49 TX
KBVA-106.5 AR	KCYT-106.7 TX	KFXK-51 TX	KPWD-52 TX
		KETK-56 TX	KDXT-58 TX
		KVDA-60 TX	WINM-63 IN

Sunday morning a lot of bleary-eyed dxers returned to the scene of the big "DX-SHOOTOUT" (that's what Doug called it in the program) to pick up a few more souvenirs, say goodbyes, or in some cases to do some more dxing. By early afternoon the antennas had come down, and before long the crowd had thinned to almost nothing. The convention was officially adjourned at 5 PM.

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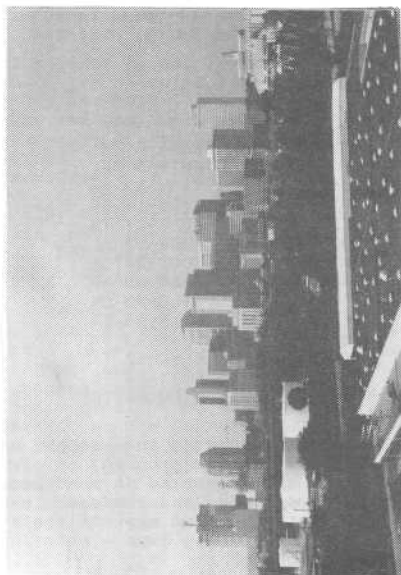
WSM station tour.

Host Tom Bryant in doorway; co-host Doug Smith to his left.



Downtown Nashville.

Saturday banquet.



### 1993 CONVENTION REPORT - continued

A few of those attending have been acknowledged in this article for their individual assistance and contributions. If anyone was overlooked, please accept our apologies. In reality, all who attended were responsible for the success of the convention. A special note of recognition is in order for Diane Brooks and her staff at the Days Inn Central. The accommodations were roomy and comfortable, and the service was top-notch. A letter of commendation will be sent to Days Inn corporate headquarters to let them know how pleased we were with the facilities and service.

To the best of our knowledge, EVERYONE had a good time in Tennessee's Capitol City. Your hosts appreciated the support and good wishes they received prior to the event; as well as the many thank you and congratulatory calls and letters afterward. To those who attended, we're glad you were able to join us. You were wonderful guests in all respects (the hotel expressed that sentiment, too). To those who weren't able to come, or chose not to attend; we missed you.

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Here is a roster of the 33 guests who registered and attended. Not all are WTFDA members. There were several local observers who dropped by (including a teenager from Vancouver, BC who was visiting relatives in Nashville)...plus a few WTFDA, NRC, and IRCA members who stopped in briefly but were unable to take in the entire event. Things got a bit hectic at times and an exact head count was not possible; but our best estimate of total attendance comes to 40.

**AL:** J.D. Stephens, Huntsville **CO:** Doug Allen, Woodland Park **FL:** Michael Hollis, Mary Esther; Matt Sittel, Tallahassee **IL:** John Clemmer, East Moline; Bill Eckberg, Dixon; Jeff Kadet, Macomb; Frank Merrill, Macomb; Merv Shults, Toulon **IA:** Neil Griffin, Ottumwa **IN:** Ralph Strobel, Muncie; Robert Zent, Huntington **KS:** Jim Dietrich, Derby **KY:** Ed Phelps, Benton **MA:** Mark Connelly, Billerica **MD:** Tom Yingling, Baltimore **MI:** Robert Grant, Detroit **MO:** Keith Smith, St. Ann **NE:** Michael Hawk, Omaha; Ernest Wesolowski, Omaha **NY:** Greg Coniglio, Williamsville; Dave Nieman, Akron; Bob Seybold, Dunkirk **OH:** George Greene, Akron **ON:** Roger Gravelle, St. Thomas; Bruce Hall, Brantford; Dave Whatmough, Hamilton **TN:** Tom Bryant, Nashville; Chris Johnson, Memphis; Aaron Shelton, New Johnsonville; Doug Smith, Nashville **TX:** Joe Gregg, Palestine; Noelia Herbot, Carrizo Springs

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*COMING SOON...*

*TO YOUR VERY OWN TV SCREEN...*

### HIGHLIGHTS OF NASHVILLE '93

Tapes supplied by several amateur videographers will be compiled into a comprehensive summary of the highlights of the 1993 convention. Co-host Tom Bryant will edit and narrate the presentation which promises to be the best WTFDA convention tape ever. Due to the large amount of footage a late fall completion date is projected. It'll be an ideal DXer Christmas gift at a sensible price. Check your VUD for availability date, ordering info, and prices. A MUST for those who were a part of it all!

TV News

Doug Smith, editor

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Nashville, TN 37209-4503  
(615) 356-8305  
CIS 72777,3143

Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts

HAAT= Height Above Average Terrain, in meters

AAT= Above Average Terrain

AG= Above Ground

ASL= Above Sea Level

nc= no change

TL= Transmitter (and tower) Location

CP= Construction Permit

MP= Modification Permit (modification of CP)

Pr= Province (of Canada)

\*= Non-commercial

CRTC= Canadian Radio-TV Commission

DBS= Direct Broadcast Satellite

### CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AK	5	100	nc	KYES	Anchorage
(was 5.89kW)					
AZ	21	1282	nc	KPAZ-TV	Phoenix
(was 645kW)					

### OTHER STUFF

Obviously, the FCC is on vacation... Actually, so is the CRTC...

The deficit reduction bill has hit broadcasters, and other FCC licensees. FCC user fees will be charged; in TV, the annual fees will range between \$4,000 for 100+ market UHF's, to \$18,000 for top-10-market VHF's. Cable systems will pay \$0.37 per subscriber. Non-commercial stations are exempt. (hams note: I've heard nothing about these fees extending to amateur radio)

Regarding last month's Canadian items from Dave Sinclair, the CRTC action permitting religious broadcasting specifically says that

rebroadcasters of U.S. channels (TBN) will not be licensed.

Also in Canada, the CRTC is asking for applications for a new province-wide TV service in Alberta. Cities involved are Edmonton, Red Deer, Calgary, and Lethbridge. Channels aren't given. Two firms, including CanWest (owners of Global in Ontario, of CKVU-10 Vancouver, and CFSK-4 and CFRE-11 in Saskatchewan), have announced plans to apply.

A number of bills have been proposed to limit violent programming on TV. Maybe the most interesting would require TVs to contain a "V-chip", which would allow parents to block viewing of programs rated for violence.

Terry Shockley, who's challenging the license renewals of Wisconsin stations WKOW-27, WAOW-9, WXOW-19, and WQOW-18, claims that bankrupt owner Sharad Tak no longer actually controls the stations. If the FCC agrees in a hearing later this month, they could deny "renewal expectancy", a preference that usually guarantees license renewal.

If the "expectancy" is denied, the chances of Shockley being granted the licenses improves considerably. Tak's creditors, mostly banks & other financial institutions, have no record of successful operation of broadcast stations, while Shockley does, having operated the same four stations until Tak purchased them in 1985.

Tak and his creditors may, however, have another weapon. In late July, the owners of bankrupt KTVD-20 Denver filed in Federal Court to block a competing application for KTVD's license. Their argument is that any action that diminishes the value of a company in bankruptcy is a violation of bankruptcy law.

The Commission is considering a partial return of the "anti-trafficking" rule. Before 1982, if you received a broadcast license, you couldn't sell it for 3 years. The proposed change would resurrect this rule, but only for licenses granted by a comparative hearing. In situations where there's only one applicant, there would be no minimum period.

After a second crash, and five months for repairs, TV Marti-13 is back on the air. Broadcasts resumed on August 4. Actually, TV Marti broadcasts continued via satellite while the channel 13 balloon was

down, but since Cuban law prohibits the private ownership of satellite dishes, chances are only government officials saw the broadcasts.

In a move guaranteed to confuse DXers... KYW-3 Philadelphia has decided to preempt NBC on Fridays between 8 and 9PM. They'll air a 60-Minutes-style news magazine program.

However, West Coast DXers will be "un-confused" by the decision by KRON-4 San Francisco to end its experiment with 7-10PM prime-time. KRON will return prime-time programs to 8-11PM. KCRA-3 Sacramento is expected to do the same.

### CABLE ACT

Several cable systems have taken the must-carry rules to the Supreme Court. Their petition claims that the rules are an attempt by Congress to control the editorial choices of cable operators. A hearing isn't expected until next spring unless the Court refuses to review the case.

Several broadcasters report they've reached retransmission-consent agreements that do involve cash payments. The broadcasters won't reveal which cable systems are involved, but so far they say only small cable systems are involved.

In Wellford, SC, the city is delaying renewal of TeleCable's franchise. Wellford Mayor Hubert Odum wants the system to guarantee they'll carry the local Greenville/Spartanburg/Asheville stations. In nearby Greenville, it's reported that the franchise agreement requires carriage of the local stations; if TeleCable doesn't reach retransmission-consent agreement with all the over-the-air stations, it could be in violation. That agreement doesn't expire until 2007.

A special appropriation of \$11.5 million has been made to the FCC. The money will pay for administration of the Cable Act.

The Springfield, Mo. cable system has moved KOLR-10 from cable channel 9 to 32. TeleCable VP Gordon Herring says they're simply getting customers used to KOLR's new dial position, but KOLR's GM believes it's because the station has hired a consultant to handle their retransmission-consent negotiations. The move hurts KOLR not only because of the disruption in viewer habits, but because non-cable-ready TVs will no longer be able to receive the

station on cable without a converter box. (also, at least presumably, the other Springfield over-the-air stations are on low dial positions)

It's rumored that NBC may offer cable systems consent to carry their owned TV stations in return for carrying one or more of three new cable networks they're starting. Two of the networks would be new, one news/talk and the other sports; the third would be their existing Spanish-language news channel, currently available in Latin America. Additionally, NBC has reportedly offered their affiliates a financial interest in the news/talk channel in return for allowing NBC to handle their retransmission-consent negotiations.

A NAB survey released in mid-July shows that roughly 93% of all stations affiliated with one of the "big-3" networks have opted to negotiate for retransmission consent on at least one cable system. For Fox affiliates, the figure is 98%; for non-Fox independents, it's roughly 20%.

The Commission has established a "Cable Information Telephone Line". This service carries information for subscribers, local governments, and cable systems, on the Cable Act. The numbers are:

202-632-0004 (English)  
202-632-0100 (Spanish)  
202-632-6999 (TDD)

See also Tom Bryant's item below for info on retransmission-consent in the Nashville market.

### LPTV WATCH

Call	St	City; programming
W12CA	PA	Elliottsburg; WPCB-40
K16BY	TX	Crockett; local
W17AB	FL	Tallahassee; TBN
K17BP	TX	Palestine; TBN
K17BY	TX	San Antonio; Galavision
W19AW	LA	Baton Rouge; "WBTR"
K20BW	TX	San Antonio; religious
K21DK	TX	Giddings; KXAN-36
K21DM	LA	Lafayette; The Box
K22BH	TX	Corpus Christi; Galavision
K22CQ	LA	Monroe; The Box
K22DP	TX	Bryan; The Box
W23AQ	FL	Lake City; TBN
K28AK	TX	Bryan; KWKT-44
K29AD	TX	Corsicana; TBN
W29AB	FL	Ocala; TBN
W29AH	PA	Pittsburgh; The Box
W29BH	MS	Biloxi; TBN
K30CE	TX	Austin; Univision
W31AG	MS	Clarksdale; TBN

## LPTV WATCH (cont'd.)

Call St City; programming  
W31AQ AL Mobile; HSS  
W31AT FL Gainesville; The Box  
W31AU FL Orlando; HSC  
K31AI TX Huntsville; TBN  
K33CK TX San Antonio; TBN  
K33DB TX Houston; KTFH-49  
K35CS TX Texarkana; "WBSC" relig.  
W36AC MS McComb; TBN  
W36AM TN Memphis; The Box  
W39AT LA Baton Rouge; "WBTR"  
W39AY AL Montgomery; The Box  
K39BJ LA Morgan City; local  
K40CT TX San Marcos; KXAN-36  
W41AE NY Utica; TBN  
W41BW AL Dothan; TBN  
W45AA MS Columbia; Miss. ETV  
K46CR LA Baton Rouge; The Box  
W46AV MS Pascagoula; TBN  
K47DF TX Corpus Christi; local  
K47DW LA Alexandria; WNTZ-48  
K47FH TX College Stn.; TBN  
W47BP MS Hattiesburg; Miss. ETV  
W49AI FL Crystal River; WOFL-35  
K49CG AR Little Rock; The Box  
K50AO TX Corpus Christi; The Box  
W50BF PA Sharon; WPCB-40  
K51CK TX Abilene; TBN  
W51AO PA Brookville; WPCB-40  
K52CQ LA Baton Rouge; various  
K53CZ TX Victoria; Telemundo  
W53AM NY Utica; The Box  
W53HI GA Valdosta; WTLH-49  
K54DT TX Abilene; KIDY-6  
K55EX LA New Orleans; Tourist Ch.  
K55FX TX Houston; ValueVision  
K55FX TX Corpus Christi; relig.  
W63AJ PA Huntingdon; WWCPC-8  
W69CS NY Buffalo; The Box

This month, from Dave Nieman and Jeff Kruszka's list.

## FORUM

Tom Bryant, Nashville TN:

Aqain on the KOUS-4 IDs seen on channel 3, Tom passed along a letter from an employee of KTVQ-2. He writes that commercial breaks on KYUS-3 are run from Billings. He also confirms that the KOUS tower is still in place 18mi. east of town; it's used by FM station KDWG.

From the Nashville Tennessean, an item about my employer... WSMV has decided to request cash for retransmission consent. The proposal would ask for \$0.50 per cable subscriber right now; when cable rate regulations are relaxed in late 1994, the rate would bump up to \$0.75, increasing to \$0.90 by 1995. Reportedly, no other Nashville station has requested cash, but some have said that if other stations get cash, they also want it.

WSMV (and all other TV stations) have until Oct. 6 to reach retransmission agreements; since cable systems must notify subscribers of stations being dropped 30 days in advance, the real deadline is Sept. 6. Viacom, and other Middle Tennessee cable operators, continue to insist that they won't pay cash for consent, but Viacom GM Stan Smith told the Tennessean "I remain confident that all the broadcasters will be on Oct. 6, but we've got a lot of work to do this month."

Among the other Nashville stations:

WKRN-2 has requested cash in return for a second, cable-only, channel. They also want cable systems to agree to buy advertising on channel 2, and provide WKRN with advertising time on the cable systems.

WTVF-5 has reached a no-cash initial agreement with Viacom. Details weren't provided but don't include another cable channel.

WZTV-17 and Viacom have signed on to Fox's nationwide deal, whereby WZTV will be carried without charge, in return for Viacom carrying the new Fox cable network; part of the fees paid by Viacom to Fox will be turned over to WZTV.

WDCN-8, WXMT-30, WHTN-39, and WPGD-50 have all chosen must-carry.

Bill Nienajadly, Clifton NJ:

(Hey Tom, how many people got #15 right on the DX Quiz?) Bill sends a clipping from the August 2 Daily News, with two items in one. First, an editorial questioning the need for government regulations on violent TV programming-- and even questioning whether it is too violent.

Second, an item regarding a Riverhead (Long Island) resident concerned about the possible disappearance of NYC stations from his local cable system if retransmission-consent negotiations fail. The reporter writes "He simply can't receive the signals where he lives. If he can't get them on cable, he can't get them at all."

According to my calculations, Riverhead is only 70 miles from NYC, 35 miles from WTNH-8 (New Haven, CT), and 60 miles from the other Hartford, CT stations-- certainly no problem for outdoor antennas! The resident interviewed, Tom Mosher, has a more

American solution-- if the cable system drops the NYC stations, he plans on suing...

Another item, from the July 19 Post, reports that NAB-produced announcements arguing the broadcasters' side of retransmission consent have begun airing on WNBC-4. The spots say "Local broadcast television is what makes cable television worth watching".

And finally, "SCUD Stud" Arthur Kent, fired by NBC shortly after the Gulf War, has found a new job. He's returning to his native Canada to host a weekly CBC documentary on "ethical & moral dilemmas in modern life".

(Bill, congrats on the Extra! You going to take your chances on a new call sign?)

William Draeb, Kewaunee WI:

Bill has several news items from Northern Wisconsin.

First, regarding the network swap in Green Bay, the switch occurred on April 15; on this day, WFRV-5 switched from ABC to CBS, and WBAY-2 from CBS to ABC. Presumably, WJMN-3 and WLUC-6 made the same swap at the same time.

Second, regarding WJMN-3, Bill says they aren't a 100% satellite of WFRV-5 anymore. They run their own commercials, and occasionally their own newscasts.

Also on the subject of WFRV-5, Bill writes that that station is now carrying the Milwaukee Brewers network, preempting the CBS baseball games. He asks how strict the networks are about this kind of thing, and whether they have some kind of double-standard for affiliates & owned stations?

Honestly, I don't think so. Few CBS affiliates have aired the network's late-night programs (though that may change with the Letterman show), and when I was with CBS affiliate WISC-3, we would routinely preempt CBS programs for U.W. hockey broadcasts, and occasionally for other programs. WSMV occasionally also preempts NBC for local programs or Billy Graham specials.

WIIM-8 Iron Mountain and WHTA-5 Calumet, Mich. are not on yet. (a list I have from Eric Voytko/Bill Fahber lists a call change on the former station, to WDHS)

There does appear to be a new LPTV on 31 at Wausau. As Bill reported to the August Western TV-DX column, Three Angels and TBN programs were seen on June 22 on a Wausau heading. My database shows no 31 LPTV in Wausau; one possibility is W31BA Minocqua though Minocqua is quite a bit north of Wausau & Bill's 7' dish would probably rule that out. Bill hasn't seen the signal since 6/22.

Regarding my speculation that WXGZ-32's old antenna was on WGBA-26's tower, Bill says that they do have their own tower, about 600' west of WGBA's. The tower is still up, but the antenna was removed about 3 months after they went dark. Bill sees no evidence of work to install a channel 32 antenna on the channel 26 tower.

(OK on WAUN-92.7... could be the towers, but they were booming into my Madison motel room in June!)

Greg Coniglio, Williamsville NY:

Greg took a road trip to Memphis during the convention; while there, he picked up a copy of the Commercial Appeal, which carried an item on the sale of WMC-5 (and their AM and FM stations).

The article goes into the valuation of a TV station, something that I suspect most people don't understand. (I should say, I know most people don't understand.. Probably the most important question asked of a jury I just served on was to put a value on a travel agency. Two different expert witnesses placed values that differed by 200% & had totally different bases...)

TV stations are valued in multiples of annual cash flow, with a common multiple these days being 7 or 8. So, if WMC generates \$8.5million in cash flow annually, it might sell for 7 times that, or \$59.5million.

New WMC owner Bert Ellis has had several previous successes, including building Act III Broadcasting, a firm which owned several successful Fox affiliates when Ellis sold it about 2 years ago.

Eric Voytko, McLean VA:

Eric sends a postcard noting that WTMW-14 went on regular schedule on August 3, sometime between 10am and 1pm. They run Home Shopping Spree 24 hours, with ID about 3mins. before the hour. The signal is

strong at his location but (luckily!) doesn't splatter over onto any other channels.

Pete Taylor, San Francisco CA:

I stand corrected (again!)... Pete points out that the item about KMOD-97.5/KOKI-23 Tulsa, reported in August VUD, is not, in fact, new; it's what's called a "P.I.", or Per Inquiry, commercial-- I'm told that the ubiquitous "Hooked On Phonics" ads are also P.I.s. (is this new to TV though? Or have there been P.I.s on TV for years too?)

Ken Romstadt, Ottawa Lake MI:

Ken sends an item from the Toledo Blade reporting that Channel 21 in Fremont, Ohio (an LPTV, but my database doesn't list one) has purchased a tower from Sandusky County. The 200' tower was built by a now-defunct emergency medical service, and was sold by the county for \$8,200 and the rights to have "...a 911 signal booster will be placed on top of the tower to clarify signals to police and fire agencies in the county.". Presumably, that means an antenna for police & fire two-way repeaters.

Ken also writes that the Blade mentioned WXAE-40, but no signon date was given.

And now for Forum Canada...

Dave Sinclair, Vancouver BC:

Dave sent along two Vancouver-area items. The first, from the July 25 Burnaby News, notes an epidemic of vandalism which seems to have struck Rogers Cable in the wake of a lockout of union technical workers.

While the IBEW union claims no connection, cable lines in telephone manholes have been cut, leaving adjacent telephone cables untouched, and cable line amplifiers have been removed.

The union says it was locked out after refusing to accept a 25% wage cut; it had offered a no-increase contract.

And, from the July 22 Vancouver Sun, a note that applications for dozens of new specialty cable channels have poured into the CRTC in the wake of changes in cable regulation.

Bill Hepburn, Brampton ON:

Bill has more info on the TVOntario rebroadcasters reported in the July VUD:

TVO English:  
CICO-TV-95 ch. 49 Tobermory  
CICO-TV-96 ch. 48 Hawkesbury  
CICE-TV-11 ch. 42 Parry Sound  
CICE-TV-16 ch. 29 Pembroke

La Chaine Francaise:  
CHLF-TV-1 ch. 25 Sudbury  
CHLF-TV-2 ch. 39 Hawkesbury  
CHLF-TV-13 ch. 17 Pembroke

### NASHVILLE '93

Thanks to everyone who made this convention successful! I don't think anyone regretted coming, and I sure know I had a good time putting faces to all the names I've read in the VUD. (and several new ones!) The early Sunday Texas opening was a blast too!

Special thanks go to Jim Dietrich for providing antennas, baluns, feedline, preamps, and rotors (too bad Jim didn't bring a bigger car-- he could have sold his FM antenna 3-4 times!); and to Tom Yingling for the use of his TV and Icom R-7000 on the UHF DX station. (I WANT a R-7000!)

Also to Tom Bryant (who really did most of the work!). And to the broadcasters of metro Nashville (who came through in style for the "goodies bags"). And finally, to the Days Inn Central, which provided an excellent room, a great banquet, and bent over backwards to help us in other ways. Should we ever go crazy and agree to host a convention again, it'll definitely be in the same place!

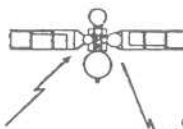
Seriously, while hosting a convention was a fair amount of work, it's also a lot of fun. I strongly encourage anyone considering bidding on the 1994 convention to do so. I would suggest that it's a pretty big job for one person; you should try to find an assistant in your area. Go for it!

### DX ETC.

A little scatter. Local W271AB was off for a couple of days in mid-August but only semi-local WDRM-102.1 was logged. But after the convention & the July openings, it was time for a breather!

73 Doug

## SATELLITE NEWS



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

Another bunch of changes and something different from Brian Webb in California.

Brian had monitored some items from military satellites. On 262.200 some traffic noted from Geosynchronous military satellite at about 95 W. He was using an FM narrow mode with a Radio Shack PRO-2006 receiver off a homebrew 12 element UHF Satellite Quad. Any items of this nature are always appreciated...please send them in.

The trees have been removed by my neighbor and some surprises were there. I now receive all European C-Band birds up to 6 West.

Telecom 2A at 8W  
2V - France occasional in PAL and SECAM  
4V - France occasional in PAL and SECAM with some program from various networks - M6 - Metropole TV noted.  
5V - RFO the service to colonies and overseas states noted in SECAM with many program feeds including Loveboat dubbed in French  
All of the above with a good grade B signal.  
Stations 11 - 11 W (former Gorizont)  
6 - EBU (European Broadcasting Union) Moscow permanent feed in PAL and SECAM - good Grade B signal

Stations 4 - 14 West  
6 - Cubavision in evenings with fair to poor (grade C) signal in NTSC. Seems to be weaker than 11 with greater bounce.

Intelsat at 18 and 21W have poor video at 23/24 XPDR. The 21 West is almost useless at this time. Intelsat K at 21 West is a Ku powerhouse, but all signals are encrypted. Intelsat at 24 is good, but video is poor again at 23/24 XPDR.

Changes in US sats. =  
Galaxy 7 -  
2 - CBS encrypted  
19 CBS  
14 - Family Network  
ABC mostly now on T302 at 85 W - XPDR's 4, 8, 10, 11 & 19  
ABC West on G3 - 19  
CBS has migrated mostly to the new G4 on XPDR'S 16 thru 21.  
Delete the SportsChannel on Satcom 2 XPDR 17  
Gala Americana testing 12 hour program on TDRS 4 41 West transponder 11 in PAL.  
Be aware that Galaxy 6 is now Galaxy 4  
Many changes on Morelos birds.  
Delete all video except XPDR 14. others are currently used for feeds.  
On Morelos 2 - Add-  
XPDR 10 - XHIMT - with ID's as Canal 22  
16 - Senal de Prueba from 21 in the clear so far  
18 - Educational feeds  
24 - XHDF - Channel 13 -

That's all for now. See you in 30.

*George*

# EASTERN TV-DX

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

(215) 358-2648

September 1993

Deadline: September 5

Skip season is finished without any unusual openings of double hop, high maximum usable frequencies or any extremely short or long single hop distances reported. The best day for skip was 7-11 but many reporters had skip on various days when others in the club had no skip to report. Tropo is on the upswing with July 4, 6, 7, 9, 11 and 12 reported by several members.

The WTFDA convention featured 600 mile tropo to Texas. Did someone order DX from room service or did they make a request to an authority much higher up?

As usual some of the best DX was sited from the Sunshine State.

Many thanks to reporters for sending reports in the proper format and especially the reports that are published intact as submitted. The reports that have required typing by this editor have been reasonable in size. I like to fill empty areas with logos so send them along with reports. You may want to fill areas with comments on programs or anything unusual about a station. Some reporters using word processors and computers have trouble making double columns but as long as the columns (date, mode, time, call letters) are in order and there isn't a lot of empty space that is fine.

Be sure to check the weather forecasts for approaching hurricanes, which can produce the best tropo conditions. More important, don't forget to report your DX.

The more your report conforms to the format the less chance for edits. You are your own editor.

Thanks for the extras sent with reports, sorry I can't answer every correspondence. My mother passed away in July, I've been busy.

Doug Smith W9WI 14 Brookside Ct., Nashville, TN 37209-4503

## June 1993

10 Tr	2100	WTVQ-36	KY (182)	(W36AK off)
		WKYU-24	KY (66)	(over local W24AE)
		W43AG	KY (62)	(Hopkinsville LPTV)
		W62BH	KY (61)	(Hopkinsville TBN)
		W55AJ	KY (117)	(Hawesville KET-PBS)
		WHIQ-25	AL (95)	
		WEHT-25	(KY) (121)	
		WDRB-41	(IN) (157)	
		WLKY-32	(IN) (158)	
		unID-20		(beaming WNW - WICS-IL?)
27 Tr	0800	WBNA-21	KY (139)	(VERY rare-- 2nd time seen)
		WCET-48	OH (234)	(Sesame St. => Barney w/o ID, except they supered one over the beginning of Barney.)
		WKEF-22	OH (275)	(over WCTE-22)
		WDRB-41	(IN) (157)	
		WLKY-32	(IN) (158)	
		WKRC-12	OH (234)	

## July 1993

9 Tr	2318	WCHS-8	WV (304)	(Rush Limbaugh, local ads)
		WPBY-33	WV (293)	
11 Tr	0022	WEHT-25	(KY) (121)	(snow-free)
	0117	unID-21		(weak with HSS // W24AE. Suspect WBNA-KY.)
		unID-64		(weak)
25 Tr	(Convention DX, between midnight and about 10AM)			
		KETG-9	AR (378)	
		KOLR-10	MO (339)	
		WHAS-11	(IN) (155)	
		KHOG-29	AR (395)	(loop only!)
		KSPR-33	MO (339)	(snow-free with loop!)
		KDIX-58	TX (610)	

Eastern TV-DX

September 1993

Jim Renfrew, 61 Wilcox Street, Rochester, NY 14607-3832

Equipment: JVC auto radio, old GE TV 717-461-2717 (h)  
with rabbit ears. 717-494-1847 (Tu & Th)

## June 1993

3 Es 1312 KCEN-6 TX (1322) (t)  
15 Es 1912 WCBD-2 SC (726)  
"My shortest skip to date!"  
21 Es 2002 WDIQ-2 AL (940) (t)  
25 Es 1202 KATC-3 LA (1197)  
1304 WLBT-3 MS (1018)  
1306 WMAB-2 MS (884)

## June 1993

28 Es 1230 WPBT-2 FL (1209)  
July 1993  
1 Es 1406 WCTV-6 GA (920) (t)  
"The M.U.F. was at 107.3 Mhz.)"

All times listed are EDT, Ch. 6  
receptions were on the car radio.

Jeff Falconer, Box 63, Clinton, Ontario Canada NOM 1L0

Equipment: Icom R7000, 25 element log periodic at 25 feet AGL.

## December 1992

18 Es 0134 KNOP-2 NE (997)  
0201 KWGN-2 CO (1242)  
0214 KCNC-4 CO (1242)  
19 Es 1527 UNID-2 PQ (t) (Fr.)  
1699 WGBH-2 MA (536) Prev. MS  
tr 1808 WTAE-4 PA (234)  
21 Es 0334 CRYB-4 MB (972)  
0353 CKND-2 MB (857)  
1058 WEDU-3 FL (1084)  
1059 WPBT-2 FL (1236)  
1100 WESH-2 FL (997)

## June 1993

12 Es 1200 WTVY-4 AL (883)  
21 Es 1717 WWL-4 LA (1056)  
1747 WETB-2 FL (997)  
24 Es 1729 WPBT-2 FL (1171)  
1730 WJXT-4 FL (918)  
1732 WPTV-5 FL (1171)  
1733 WEDU-3 FL (1084)  
26 Es 1551 KJRH-2 OK (923)

Skip in the middle of the  
night, an insomnia dream!  
I changed the 12-19 logging  
from WGBS-2 to WGBH-2, I  
didn't think my local Ch. 57  
had a station in Mass. sw

## March 1993

27 tr 0815 WEHS-60 IL (332)  
0816 WSNS-44 IL (332)  
0818 WCIU-26 IL (332)  
0830 WINM-63 IN (223)

SAUL CHERNOS - 57 BERKELEY ST., TORONTO ON M5A 2W5 (416) 364-0725

## June 1993

11 Es (Burnt River)  
1050 unID 2 Spanish and mentions Cuba, Mexico  
1055 KPRC 2 TX Houston

## July 1993

7 Tr (Toronto)  
0825 WNWO 24 OH Toledo  
0830 WVIZ 25 OH Cleveland  
0835 CICO32 32 ON Windsor TV Ontario  
0845 WGPR 62 MI Detroit  
0850 CBLN 64 ON Chatham CBC English  
0900 CIII55 55 ON Fort Erie Global  
0905 CICO 59 ON Chatham TVO  
0910 CICO 51 ON Penetang TVO  
11 Tr (Toronto)  
0800 W38AW 38 NY Rochester MSTV LPTV  
0810 W15AL 15 NY Rochester LPTV  
0820 W 59 NY Rochester xltr // 49 Buffalo  
12 Tr (Toronto)  
0855 CBLFT12 53 ON London CBC SRC  
24 Es (Burnt River to AR, MO, OK, TX)  
1200 ABC 2 (WBR2???)  
1203 Winnie the Pooh cartoon, separate maybe from the ABC  
25 Es (Burnt River)  
2100 KGFE 2 ND Grand Forks Prairie Public TV

COMMENTS: Because the tower is down at Burnt River - my parents  
rebuild the place and an antenna isn't up yet - I've made do with  
indoor rabbit ears and a car FM radio. Otherwise I'd have more in  
the Es dep't. In Toronto, only ch. 2 is viable for Es in my  
downtown apartment, and, with a mere dipole for VHF for the time  
being, I've only had unIDs for Es, preferring to concentrate on FM.  
73s, Saul



TOM BRYANT - 849 TODD PREIS DRIVE - NASHVILLE, TN 37221 - 615-646-2000 - (OOT)

EQUIPMENT: VHF S FM: Antennacraft CS-1000 @ 20'; UHF: Antennacraft P-5 parabolic w/Antennacraft preamp @ 25'; RG-6 coax on both; Archer rotor; Emerson VCR (model 754); Portland 13" color receiver. New loggings underlined. Relogs noted only when rare.

July 1993

4 Tr 0550 WGBD 65 IL 407 4 Tr 0630 WUFI 18 IN 301. 9 Tr 2325 WCHS 8 WV 319  
 0559 WCHS 60 IL 405 0630 WUYS 62 IN 384 23-24-25 (SEE NOTES)  
 0559 WGBD 65 IN 196 6 Es 1859 KENW 3 NM 963 26 Tr (SEE NOTES)  
 (rel-Terre Haute)

NOTES: Lousy month for Es with only one str ID'd..pretty terrible Es summer for that matter (but I did snag two new ones in June). The convention catches left me in a bit of a predicament. I would have liked to have counted ALL the stuff they got while I was present in the room, but decided that wasn't really fair...so I opted to add only three strns to my home log (less than 25 miles from convention site): KMTV 9 OK 594; MFAA 8 621 TX; and KTEN 10 OK 556. My reasoning was that I was operating the receiver at the time these were logged (7/25 between 0400 and 0530); it was the tv set from my shack; and I was only casually observing the UHF catches being snagged by Bob Seybold. At any rate I managed to get one new state out of the "DX Shootout". 7/26 saw a big evening Tr opening from NW thru NNE..all relogs..Peoria, Indy, Springfield (IL), Lexington (KY), Dayton, etc. all s/f or near s/f. Finally, thanks to everyone who came to the convention as well as a couple of members who called to wish us well. It was really a lot of fun; and although hosting precluded some of the more leisurely socializing and gabbing, it was still a blast. There's a detailed report elsewhere in this issue. Hey...I'm already looking forward to next year! 73's and goodDXing. — Tom

Joseph Fela, 150 Robert Place, So. Plainfield, N.J. 07080

August 1993

3 tr 0845 WLTX-19 SC (550)  
 WOLO-25 SC  
 WRLK-35 SC

August 1993

4 tr 0850 Springfield, Mass. U's  
 5 tr 0900 WUNG-58 NC  
 2100 Boston U's snowfree

"Some nice early morning humidity ducting that develops out of nowhere, comes bombing in strong, then fades out completely in less than an hour."

Stephen West, 26 Dougherty Blvd. G-8, Glen Mills, PA 19342-1140 N3FYO

Equipment: Winegard PA-4975 UHF amp., 8-Bay UHF antenna indoors at 400' ASL.

July 1993

16 tr 0835 WSEE-35 PA (300) (t)

August 1993

2 tr 0830 WNSC-30 SC (440)  
 WRLK-35 SC (480)  
 4 tr 0830 WCCB-18 NC (420)  
 WUNM-19 NC (320)  
 WLFL-22 NC (320)  
 WTAT-24 SC (t)  
 WNSC-30 SC (440)  
 W34AX-34 NC

August 1993

4 tr 0900 WRLK-35 SC  
 WCTP-36 SC (t) (tone)  
 WFCT-62 NC (370)  
 WZXX-65 VA (180)  
 8 tr 2300 WUNM-19 NC (320)  
 10 tr 0830 WUNM-19 NC  
 WHMC-23 SC (430)  
 2030 WUNM-19 NC  
 11 tr 2100 Boston U's  
 WUNM-19 NC

Skip has skipped town but tropo has taken over. There has been a lot of Virginia and Connecticut tropo which I don't report. WPDE-15 in South Carolina has been seen on the Ch. 25 Xltr. of WHRO-15. I probably had Ch. 5 in Boston one night but I missed the ID, they mentioned NewCenter 5 News. Ch. 14 in Arlington, VA is on now. They have Home Shopping but it is different than Ch. 24 in Baltimore, but no better. They have a red house in the corner instead of blue. It is interesting to not that Joe Fela had ducting to South Carolina on mornings I didn't, and vice versa.

Dave Nieman - 12284 Nice Road - Akron, New York 14001-9529

Equipment: RCA 19" b&w TV with Teknika 6510 tuner, Channel Master 3617B VHF antenna on a CDE rotor at 23' AGL (813' ASL). Channel Master 4251 (7' dish) UHF antenna into a Blonder-Longue CMA-Ub preamp on a crankup tower at 30' AGL (820' ASL) with Alliance HD-73 rotor. Using RG-11 coax feed for both antenna. New loggings are underlined. New call (KXXX).

July 1993

1 Es 1359 WEDU-3 FL 1065  
 1400 WCPX-6 FL 1002

July 1993

6 Es 1130 KLNE-3 NE 1091  
 1258 KOTA-3 SD 1235  
 1328 WLBT-3 MS 983

July 1993

16 Es 1139 KBME-3 ND 1143  
 20 Es 0000 C277-3 SK ???  
 (see Note #1)

NOTES:

#1 Call slide for CKOS-5 Yorkton Saskatchewan.  
 Skip season has come to a quick end and no sign of any long haul tropo. Dave

Dave Nieman - Ho Sta Oeh Road - Rock City, New York

Equipment: Harvard 13" color receiver/monitor, Channel Master 3617B VHF antenna at 15' AGL (2405' ASL) on a Radio Shack rotor, RG-6 coax feed into Winegard FT-7600 FM trap and DA-205 distribution amp. Antennacraft P-7 (7' dish) UHF antenna into a DX Tele Lab EU-4S preamp at 25' ASL (2415' ASL) on a Alliance U-110 rotor, RG-11 coax feed. New loggings are underlined. New call (KXXX).

July 1993

4 Tr 0729 WMHI-17 NY 232  
 (see Note #1)  
 0830 WCDC-19 MA 274

July 1993

5 Tr 0411 WRQT-45 OH 341  
 (see Note #2)  
 0438 WLIQ-35 OH 306  
 (see Note #3)  
 0500 WTLW-44 OH 308  
 0700 WYJ-46 WV 212

July 1993

30 Es 1900 WEDU-3 FL 1002  
 August 1993  
 1 Tr 0830 CBFT114-32 ON 186  
 0900 CHOT-40 PQ 274  
 (see Note #4)

NOTES:

#1 Over WNEB Buffalo, NY  
 #2 Running 3/4 modified color bars with ID on it.  
 #3 Running 3/4 color bars with ID on it.  
 #4 Running 3/4 color bars with no ID on it. Sign-on at 09:00.  
 Been some short haul tropo on the weekends. July 30th I mistook the CCI on the low band as tropo. It turned out to be E-skip to Florida; bet I missed some IDs. Dave

Eric Voytko 1721 Dalewood Place, McLean, VA 22101

703-356-9663

Equipment: All loggings from Pickett Rd, Fairfax, VA; Sony KV-8AD11 TV, Archer U-120 Winegard CP-4800 amp at 25 ft.

July 1993

9 Tr 0830 WKFT-40 NC 260  
 WUNP-36 NC 190  
 WUNJ-39 NC 320  
 W388B NC 240  
 (Raleigh TBN)  
 WUNM-19 NC 260  
 WYDO-14 NC 250  
 WYED-17 NC 240  
 WUNK-25 NC 230  
 WRDC-28 NC 240  
 W43? VA 150  
 (Va. Beach HSC)  
 W58CD NC t  
 (note #1)

12 Tr 0730 W52AX MD 40

(Leonardtown MSTV)  
 WGNF-27 VA 150  
 WTVZ-33 VA 150  
 WHRO-15 VA 150  
 WYDO-14 NC 250  
 WYED-17 NC 240  
 W34AX NC 190  
 (Henderson CHA)  
 WUNP-36 NC 190  
 WUNJ-39 NC 320  
 WKFT-40 NC 260  
 W43? VA 150  
 W56CS VA 150  
 (Portsmouth HSS)

15 TS 0605 WTJC-26 OH t

(note #2)  
 26 Tr 0715 WVIT-30 CT 290  
 0730 WYDO-14 NC 250  
 WUNM-19 NC 260  
 W43AC VA 110  
 (Onancock WAVY-10)  
 W44AD VA 110  
 (Onancock WTKR-3)  
 W56CS VA 150  
 W50AL VA 110  
 (Onancock WVEC-13)  
 W25AA VA 110  
 (Onancock WHRO-15)  
 WUNK-25 NC 230

Note #1-Received this one several times with HSS while Raleigh was in good, but no ID.  
 I know W58CD is licensed to Raleigh, but don't know if they run HSS.

Note #2-Brought in the R-7000 this day and had no tropo, but some interesting scatter. This station was 26+, definitely HSC (not Spree) and due west. Could be WTJC or K26CR-MQ; although I doubt it's the latter, either one is rare path under and conditions.

STATION NOTES: WRDC-28 Durham non-ID's as "Tri-28" (Raleigh, Durham, Chapel Hill)

WFTY-50 D.C. runs Valuevision at night

COMMENTS: Lots of new LPTV's from the big hill in Fairfax, North Carolina openings are much better here than at McLean, even though the dish is there. The U-120 is a poor performer by comparison, though; northern stations are impossible (WVIT could only be received off back) and the nulls are few. I would like to install a dish here, though it would have to be a retractable installation as this area is known locally as 'tornado alley'. -E.V.

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

Equipment: Daytron 12" B&W TV, Sears AM/FM/TV radio, Radio Shack 15-1104 VHF/UHF amp (only used for UHF), 4 bay UHF antenna, twin bow tie UHF antenna (both Radio Shack), Radio Shack 15-235 rabbit ears (used for VHF) and also using the buildings VHF antenna for channels 2,3,4,5,8,9,10,11 and 13 (antenna is pointed northeast).

July 1993

- 1 Es 1927 WPBT-2 FL (900)
- 3 Es 1015 CUBA-3 (t)
- 1342 KATC-3 LA (t)
- 1515 (M.U.F. 92.9)
- 1530 KFDX-3 TX (1225)
- 2240 UNID-2 (NBC)
- 4 Es 1115 CUBA-2 (t)
- 5 tr 0858 WYDO-14 NC (250)
- 6 Es 1900 WPBT-2 FL (900)
- 8 tr 0750 WRDC-28 NC (248)

July 1993

- 12 tr 0700 WYDO-14 NC (750)
- 15 Es 1904 KGAN-2 IA
- 24 Es 1207 UNID-3
- tr 1529 WQEX-16 PA (186)
- 25 tr 0102 WPIX-11 NY
- WCB3-2 NY
- Es 1518 UNID-3 (ABC)
- 1529 WQEX-16 PA
- 1804 WBRZ-2 LA (950)
- tr 2100 HSN on ch. 43 VA

Frank Wheeler, 8533 Wattsburg Road, Erie, PA 16509

Equipment: Crosley Color TV (1992), Archer VU160 antenna

June 1993

- 23 Es 1055 WPBT-2 FL (1112)
- 24 Es 1900 WPBT-2 FL
- 1927 WWL-4 LA (1002)
- 25 Es 1100 WPBT-2 FL
- 1130 WTVJ-4 FL
- 1228 WEDU-3 FL (988)
- 1230 WWL-4 LA (1002)
- 1301 WBRZ-2 LA (1016)
- 28 Es 1055 WPBT-2 FL
- 1159 WEDU-3 FL
- 1300 WTVJ-4 FL
- 2200 KPRC-2 TX (1212)

June 1993

- 30 tr 0725 WCMU-14 MI (254)
- 0930 CFMT-47 ON (115)
- July 1993
- 1 Es 1303 WEDU-3 FL (988)
- 1330 WPBT-2 FL
- WUFT-5 FL (862)
- WTVJ-4 FL (1112)
- 2000 WESH-2 FL (908)
- 3 Es 1057 WPBT-2 FL
- 1327 WBRZ-2 LA
- 1330 WEDU-3 FL
- 1530 KPRC-2 TX (1212)

Sorry I didn't receive your report of May 13th (unlucky even on a Thursday I guess) so I will print it if you can send it again. sw

Keith R. Short, 3515 Medina Avenue, Columbus, Ohio 43224

Equipment: 1978 Sears 19" Color TV, Archer Color Supreme 200 amplified indoor antenna, Archer double bow tie UHF antenna, Sears 26" Color TV (1987) with an Archer Supreme amplified TV/FM antenna.

June 1993

- 3 tr 0145 WTSP-61 KY (129)
- 18 tr 2330 WXIX-19 KY (111)
- WOUB-20 OH
- WUPW-36 OH (144)
- 28 Es 1355 WPBT-2 FL (1261)
- 30 tr 0127 WMPD-68 OH
- July 1993
- 7 tr 1255 WTOO-2 IN (249)
- 10 tr 2100 WBOY-12 WV (180)
- 2140 WSTR-64 OH (111)

July 1993

- 10 tr 2335 WTRF-7 WV (126) \*
- 2345 WPTT-22 PA
- 11 tr 0040 WPTD-16 OH
- WKEP-22 OH
- WRGT-45 OH
- 0055 WAKR-23 OH (126)
- 0105 WLIO-35 OH

\*mentioned Tri-State area

Thanks for the report and the WPBT-2 reception verification, it's good to hear from new reporters (and the regulars)! sw

Channel 7 in Philadelphia

8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
RL and Co.	Radio on TV	Psychic Advice Line 22015	Astrology/Humerology	All Night Psychic Line 83763			

JUNE 1993

- 3 Tr 0726 KADN-15 LA 667
- 0727 KETH-14 TX 858
- 0727 KRIV-26 TX 857
- 0727 KTMD-48 TX 841
- 0727 KHSB-67 TX 858
- 0727 KHTV-39 TX 858
- 0727 KXTX-39 TX 970
- 0728 KXAN-36 TX 997
- 0730 KBVO-42 TX 997
- 0731 KXNL-45 TX 858
- 0731 KNCT-46 TX 991
- 0731 KHSX-49 TX 970
- 0739 KVDA-60 TX 1023
- 0757 KITU-34 TX 765
- 0800 KDAF-33 TX 970
- 0806 KDTX-68 TX 970
- 0852 KTFH-48 TX 970
- 0900 KVHP-29 LA 746
- Es 0907 WFSB-3 CT 1032
- 0907 WSTM-3 NY 1037
- 0913 KFOR-4 OK 1062
- 0920 KFDX-3 TX 1081
- 0924 KTBS-3 LA 802
- 0940 KFSM-5 AR 902
- 0958 KCTV-5 MO 1051
- 1050 Had to leave...

- Tr 2208 KMCT-39 LA 692
- 2208 KARD-14 LA 692
- 2211 WDAU-34 AL 368
- 2213 WMCP-45 AL 396
- 2213 WGNX-46 GA 408
- 2213 KHSX-49 TX 970
- 2218 WACH-57 SC 383
- 2214 KHSB-67 TX 858
- 2222 WAIQ-26 AL 399
- 2222 WIIQ-41 AL 472
- 2222 WEIQ-42 AL 422
- 2236 WVEU-69 GA 406
- 2239 KXTX-39 TX 970
- 2239 KDAF-33 TX 970
- 2242 WSPM-66 AL 369
- 2303 WOLO-25 SC 384
- 2349 WJPM-33 SC 409
- 2353 WBMG-42 AL 473
- 4 Tr 0000 KMSS-32 LA 802

(ID came out of nowhere then gone)

- 0005 WJSP-28 GA 361
- 0008 WCAJ-68 AL 474
- 0440 KLRT-16 AR 796
- 0442 WLFL-22 NC 518
- 0442 WGBS-30 MS 512
- 0510 WGGT-48 NC 515

+ many of the same stns as last night

- 5 Tr 2100 WFGC-61 FL Palm Beach
- 6 Tr 0658 WSRE-23 FL 380
- 0658 WPMI-15 AL 407
- 0658 WHBR-33 (AL) 407
- 2248 Mobile 5, 15, 42
- 2248 Pensacola 23, 44
- 7 Tr 0736 Mobile-Pensy U's
- 0737 WDAU-34 AL 368
- 0738 WGNX-46 GA 408
- 0800 WAPT-16 MS 599
- 0805 WDBD-40 MS 594
- 0815 WXXV-25 MS 490
- Es 1129 KTTV-3 MO 900
- 1149 KMOL-4 TX 1023
- 1153 KPRC-2 TX 858
- 1159 unID-3 full CB
- 1224 KIII-3 TX 991
- 1229 KENS-5 TX 1023
- 2302 WJKA-26 NC 429
- 2302 WNCJ-39 NC 429
- 2302 WNCN-36 NC 467
- 2332 WLTX-19 SC 387
- 2337 WTVI-42 NC 464
- 2337 WJMG-58 NC 467
- 2338 WRJA-27 SC 376
- 2344 WIS-10 SC 369

- 8 Tr 2030 Wilmington U's
- 2030 SC 15, 19, 27, 33
- 2051 WYDO-14 NC 532

JUNE 1993

- 9 Tr 0636 Wilmington U's
- 0636 WPDE-15 SC 421
- 0636 WKFT-40 NC 502
- 0636 WFCT-62 NC 459
- 0641 WUNP-36 NC 574
- 0651 WJZY-46 NC 473
- 0654 WCNC-36 NC 408
- 0705 Had to leave...
- 2038 Florence 13, 15
- 2038 Wilmington U's
- 2038 Many other SC U's
- 2214 W44AX SC 310
- Charleston (TBN)
- 2217 WCTP-36 SC 320
- Charleston
- 10 Tr 0446 W48BH GA
- Statesboro
- (see note #1)

- 11 Tr 0011 WLFL-22 NC 518
- 0011 WPTF-28 NC 521
- 12 Es 1555 WDIV-4 MI 970
- 1558 WSTM-3 NY 1037
- 1604 WFRV-5 WI 1158
- 1633 WNEM-5 MI 1042
- 1659 WPSX-3 PA 885
- 1810 CKVR-3 ON 1097
- 2114 KTVI-4 IA 1279
- 16 Es 2050 KMOW-4 MO 863
- 2138 WDAF-4 ? MO T
- 2138 KCTV-5 ? MO T
- 17 Tr 0515 Macon U's 323
- 0518 Atlanta U's 408
- 18 Tr 0040 SC 19, 24, 25
- 0500 Macon U's 323
- 0500 Atlanta U's 408
- 0500 WTLK-14 GA 458
- 0505 WCNC-36 NC 467
- 0505 WJZY-46 NC 473

- Es 1930 WTVH-5 NY 1038
- 2025 KCTV-5 MO 1051
- 2056 WMAQ-5 IL 990
- 19 Es 0945 unIDs 2, 3, 4
- 21 Es 1205 WAPA-4 PR 1198
- 1205 WIPM-3 PR 1150
- 1207 WKAQ-2 PR 1198
- 1207 WORA-5 PR 1149
- 24 Es 1816 CFCM-4 MA 1106
- 1845 WBZ-4 MA 1106
- 1850 WFSB-3 CT 1032
- 1900 WABT-5 ME 1303
- 29 Es 1124 KRGV-5 TX 996
- 1124 KGBT-4 TX 1022
- 1141 KIII-3 TX 991
- 1142 XHPN-3 CL

- (see note #2)
- 1156 KMOL-4 TX 1023
- 1220 KENS-5 TX 1023

JULY 1993

- 2 Es 1149 KIII-3 TX 991
- 1258 KFOR-4 OK 1062
- 1430 KTXT-5 TX 1262
- (see note #3)
- 3 Es 1124 WCCO-4 ? MN T
- 1129 KTVO-3 MO 1011
- 1259 WOI-5 IA 1148
- 1414 WNEM-5 MI 1042
- 1605 WFRV-5 WI 1158
- 1726 WHBF-4 FL 1037
- 1746 KXAS-5 TX 971
- 1900 KMOL-4 TX 1023
- 1900 KJAC-4 TX 770
- 1901 KATC-3 LA 673
- 1912 KIII-3 TX 991
- 1914 KGBT-4 TX 1022
- 1917 KPRC-2 TX 858
- 5 Tr 0007 WPDE-15 SC 421
- 0007 WTAT-24 SC 320
- 0007 WJKA-26 NC 429
- 0007 WUNJ-39 NC 429

Es 1345 unID-4 SS

- 1348 KGBT-4 TX 1022
- 1426 KRGV-5 TX 996
- 1427 KIII-3 TX 991
- 1715 WMAQ-5 IL 990
- 1720 WTMJ-4 WI 1010

JULY 1993

- 5 Es 1729 KTVO-3 MO 1011
- 1753 WUIV-4 MI 970
- 1757 K1MT-3 IA 1154
- 1907 KMTV-3 NE 1210
- 1918 KDFW-4 TX 971
- 1927 KFDX-3 TX 1081
- 1933 KOCC-5 OK 1062
- 2029 KENS-5 TX 1023
- Tr 2040 Mobile-Pensy U's
- + WKRK-5 AL 419
- Es 2047 KXAS-5 TX 971
- 9 Es 1212 KBTX-3 TX 893
- 1221 KDFW-4 TX 971
- 1230 KPRC-2 TX 858
- 1241 KXAS-5 TX 971
- 1248 KFDX-3 TX 1081
- 1249 KTXT-5 TX 1262
- 1259 KMOL-4 TX 1023
- 11 Es 1550 KPRC-2 TX 858
- 1550 KIII-3 TX 991
- 1600 KJAC-4 TX 770
- 1637 KENS-5 TX 1023
- 1643 KMOL-4 TX 1023
- 12 Es 1804 KHTV-4 DF 1283
- 1815 XHGC-5 ? DF T
- (Tiny Toons)
- 14 Es 1304 KGBT-4 TX 1022

(Log now at 474 stations)

Note #1: Slide that read:

"WGA-TV 48 Statesboro, Ga. welcomes you to our viewing area...we begin daily programming in July"

Note #2: Calls seen thru KIII-3 --- I strongly suspect this to be the source of the unid full CB often seen on 3 when south TX in on Es.

Note #3: First time I've EVER been able to ID this one in 20 years!

June started out with a bang with the first Gulf tropo ever seen by me in June. (Last year's July Gulf tropo was also a first!) There was also some pretty fine Atlantic coastal tropo later in the month. The summer Es season wasn't too bad... I've seen much worse. I confess that this year my attentions have centered on FM whenever the MUF topped 88 mHz, so there have been big swatches of skip openings where I have all but ignored TV. I know that you're blasphemy to you TV-only types, but I've almost reached the single-hop saturation point on TV skip, at least on channels 2-5 (WCPX-6 is a formidable local to deal with...) I DID log a new state (ME) and finally logged KTXT-5 after years of trying. I would often note PBS on 5 during TX openings over the years, but until this summer could NEVER get an ID on them! New WFGC-61 is religious and seems to be affiliated with WCLF-22 et al., though not always in //.. Alas, we will soon enter that no-man's land between summer skip and fall tropo! 73, JOHN.

# WESTERN TV-DX

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

(612) 735-6860

Deadline: 10-07-93

Cut-off: 07-01-93

September 1993

It looks like July was a good month for TV-DX. The column has swelled to 12 pages of loggings and commentary (although a significant portion of the column is dedicated to old loggings). E skip was reported by someone on every date in July with the exception of 20, 22, 28, and 31. One hot E skip date was the 14th when Mike Cherry found 6 meters open to "just about every part of the US and southern Canada all at once." Long haul UHF was noted from Illinois to Texas by Robert Delaney on the 25th and 26th and from Baton Rouge to Nuevo Leon by Jeff Kruszka on the same dates. And there was lots more!

The column is being printed on a crippled printer this month. I don't know yet what has happened, but the result is that the bottom row of each character is not printed. This affects the frequently used underline as well as the lower case letters q, p, q, and y. I can't do much about those letters, but this month I am attempting to use bold print to indicate new loggings instead of the traditional underline. I hope it is obvious in the final production.

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

THIS MONTH, NEW LOGGINGS ARE SHOWN IN BOLD PRINT INSTEAD OF BEING UNDERLINED

Marvin Shults, RR #1, Toulon IL 61483

CDT

June 1993	9 Es 2100	KENW 3 NM 915	18 Es 1930	WUFT 5 FL 890
2 Es 1928	XEPM 2 CH 1125	KMID 2 TX 925	21 Es 1859	WCBS 2 NY 825
	unid channel 3	2156 KPRC 2 TX 855	1930	WGBH 2 MA 960
1930	KPRC 2 TX 855	2240 KUTV 2 UT 1160	2000	WLBZ 2 ME 1095
	KVBCT 3 NV	11 Es 0628	WUND 2 NC 810	
2202	KASA 2 NM 970	12 Es 1430	WESH 2 FL 965	July 1993
	KTVK 3 AZ 1330	1458	WPBT 2 FL 1180	1 Es 1930
2214	KPHOT 5 AZ	13 Es 1336	KRTV 3 MT 1140	1934
5 Es 1512	CKCW 2 NB 1290	1338	CKXX 2 AB 1345	2000
	CKLT 3 NB 1220	1340	KTVQ 2 MT 985	KENW 3 NM 915
8 Es 1930	XEFE 2 TA 1085	16 Es 2159	XEPMT 2 CH	3 tr 0553
1959	KPRC 2 TX 855	17 Es 1759	KUTV 2 UT 1160	Es 1430
2000	KMID 2 TX 925	1800	KSL 5 UT 1165	WEDU 3 FL 1010
9 Es 1650	unid channel 2	2100	unid ch 2 Mexico	WPBT 2 FL 1180
1656	unid ch 3 PBS	18 Es 1859	WPBT 2 FL 1180	WEDU 3 FL 1010
1948	ICR 2 Cuba	1900	WESH 2 FL 965	2041
2030	XEJ 5 CH 1125	1929	WTVJ 4 FL 1180	KUTV 2 UT 1160
2100	XEPM 2 CH 1125			

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

CDT

### Equipment:

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

July 1993	3 tr 0636	KLDT 55 TX 380	5 tr 0752	KVDA 60 TX 445
1 Es 1720	unids 4,5	0651 @KXXV 25 TX 360	Es 1152	unid SS 3,4
1805	KXJB 4 ND 1130	0652 KBVO 42 TX 395	1708	WVAY 3 NC 810
1808	KDLO 3 SD 1025	0654 @KFWD 52 TX 395	1712	WECT 6 NC 805
1828	KDLH 3 MN 1080	(o/local K52CQ)	1716	WUNC 4 NC 790
2 Es 1459	unids 3,4	0703	KXAN 36 TX 395	1728
3 tr 0531	@KLRT 16 AR 305	0905	KVDA 60 TX 445	1924
0541	KALB 29 TX 445	Es 1450	unids 3-6	2126
0554	KLTV 7 TX 280	(No time)	6 Es 1701	unid CBs 3!
0559	KXTX 39 TX 365	2140	KDBC 4 TX 910	1714
0600	KDFI 27 TX 365	2158	KOB 4 NM 955	unids 4,5
0606	unid 27 TBN to n	5 tr 0745	WMAV 18 MS 295	1743
0610	KTXA 21 TX 395	(// WMAU-17)	1800	KYW 3 PA 1120
	KHSX 49 TX 375	0752	KXAN 36 TX 395	8 tr 2328
0622	@KHCE 23 TX 445		KRRT 35 TX 475	W58BO 58 MS 80
				(Natchez TBN)
				2330
				unid 27 TBN

Western TV-DX

September 1993

Jeff Kruszka (continued)

12 Es 1738	unid 3 wk brief	24 Es 1845	XHTV 4 DF 925	26 tr 0110	K17BY 17 TX 445	
15 Es 2200	unid 3 vv brief	tr 2200	KLRU 18 TX 395	(San Antonio	GLA)	
18 Es 1140	unids 3,4	2230	KMBH 60 TX 495	0116	KNVO 48 TX 525	
23 tr 0601	KUVN 23 TX 365		KVDA 60 TX 445	0133	=XHNNL 28 NL 650	
	2324	RRRT 35 TX 475	0124	KAVU 25 TX 370	(2 nights in a row!)	
	2330	KNCT 46 TX 375	0136	KVEO 23 TX 500	0148	K22DP 22 TX 310
	2355	KDFI 27 TX 365	0207	=XHNNL 28 NL 650	(Bryan	VJN - u/KLTJ)
	2358	KTXA 21 TX 395	Es 1821	TGV 3 GU 1100	0158	KXAM 14 TX 445
24 tr 0001	KCTF 34 TX 360	tr 2158	KEDT 16 TX 425	0206	K33CK 23 TX 445	
	0024	KVEO 23 TX 500	2300	K50AO 50 TX 425	(San Antonio	TBN)
	0036	KLDO 27 TX 540	2300	K50AO 50 TX 425	K31AI 31 TX 265	
	0105	KWTX 10 TX 360	2322	KWEX 41 TX 445	(Huntsville	TBN)
	0128	@KHCE 23 TX 445	2326	K47DF 47 TX 425	0245	K16BY 16 TX 265
	0130	=KORO 28 TX 425	(Crockett	LPTV)	0311	KLDT 55 TX 380
	0211	=KVUE 24 TX 395	26 tr 0000	KLDO 27 TX 540	0400-0500	1 hr sleep
	0248	@KSAT 12 TX 445	(like a local)	0519	@KVTV 13 TX 540	
	0254	KTBC 7 TX 395	0018	KORO 28 TX 425	0555	+KTAB 32 TX 525

E-skip improved somewhat this month, though the signal strengths were still weak most of the time. For some reason, N. Carolina has always come in super clear for skip. Troops on the 25th and 26th were excellent - I ended up pulling an all-nighter on the 26th and calling in a 1/2 day of vacation at work!

(Your TBN on channel 27 from the north could be K27EF at Monroe. This construction permit was granted on August 4, 1992 with an authorized ERP of 11.7 KW. I don't know if it is on, fm)

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

PDT

Equipment: See August 1993 Western TV-DX.

June 1993	29 Es 0700	\$KVBC 3 NV 986	14 Es 1000	KDUH 4 NE 1080
20 Es 1159	CBWFT 3 MB 1167	0743	KTVK 3 AZ 1223	1033
1200	KXJB 4 ND 1207			KDLO 3 SD 1245
1230	KBME 3 ND 1062	July 1993		1059
1258	CFSS 3 SK 936	2 au 1850	heavy CCI chs2-4	KDLH 3 MN 1452
1300	CBKMT 4 SK 792	4 Es 0929	KNAZ 2 AZ 1137	1100
1334	\$KTWO 2 WY 926	0958	KTVK 3 AZ 1223	WCCO 4 MN 1445
1359	KCWC 4 WY 833	(See notes)		KSTP 5 MN 1445
1428	KVBC 3 NV 986	5 Es 1914	KVBC 3 NV 986	1128
1444	KTVU 2 CA 769	Es 0929	KNAZ 2 AZ 1137	\$KVBC 3 NV 986
21 Es 0900	KVBC 3 NV 986	0958	KTVK 3 AZ 1223	1130
(0900-1112)		5 Es 1914	KVBC 3 NV 986	XHBC 3 BN 1197
1759	\$KENW 3 NM 1245	10 Es 1900	KTVK 3 AZ 1223	1200
1800	KASA 2 NM 1245	13 Es 1834	KTVV 4 IA 1376	\$KMTV 3 NE 1428
22 Es 0935-1340	southern CA	0900	KXGN 5 MT 877	1331
MUF:3+ - at work		0919	CITL 4 AB 662	KREG 3 CO 1028
25 Es 2057	KLBY 4 KS 1277	0930	CKVR 3 ON 2072	1358
2100	KSWK 3 KS 1350	(New province!!)		KCCZ 4 UT 940
28 Es 1120	KOTA 3 SD 1015	0931	CBKMT 4 SK 792	1400
(1120-1230)		0946	KTVX 4 UT 794	KVBC 3 NV 986
29 ms 0523	KBCI 2 ID 499	1000	\$KLINE 3 NE 1311	1430
				KTWO 2 WY 926
				KWCC 4 WY 833
				1458
				KENW 3 NM 1467
				1500
				KOB 4 NM 1280
				1531
				KTVS 3 CO 1150
				1600
				CKNC 4 CO 1096
				15 ms 0543
				KOTI 2 OR 476
				(23 seconds)
				0559
				KSWK 3 KS 1350

E skip season so far has had average number of hours duration, but above average long-haul skip. I hesitate to call it "multi-hop" as this term only applies to SOME long-haul E skip. This is demonstrated by some of the loggings that occurred on July 14 - so far the best of many good days here in the Pacific Northwest. Some of the long-haul E skip experienced on 50 MHz (6 meters) has been of the ducting variety with no signs of intermediate area open for DX.

My favorite theory for the great conditions of July 4-15 involves the presence of horrendous low-pressure systems (the cause of the severe floods!) in the midwest coupled with the high pressure heat-wave that gripped the east coast. This theory is based on Mel Wilson's excellent 2-part "Intense Sporadic-E Propagation at Mid-Latitudes" to be found in the book "Beyond Line of Sight" by Emil Pocock. The article includes some TV-DX data plus our club's address!

July 4 opening to the Phoenix area on TV occurred while I worked into Mexico City area on 6 meters! I could also hear Phoenix and San Diego operators talking to the Mexicans - the classic "double-hop."

Mike Cherry (continued)

July 14 - what a day!! 6 meters was open to just about every part of the US and southern Canada all at once. Many times the hash on the TV screen was 4 or 5 stations deep with various audio on all 3 offsets on the Kenwood receiver. Here at my new QTH, I have less of a problem with overload from CHEK-6 on Saturna Island (Victoria, BC) and can log the real strong stuff. On 5, semi-local KING-5 is also a problem, but not with the antenna pointed due east and towards north. At 0930 whilst logging a new station and province, 50 MHz was open to south central Ontario and New England as far south as Washington, DC.

No openings yet to Alaska on VHF. I'm also watching for signs of E skip on the Russian channel R1 (49.750) video frequencies. I checked FM with a set of rabbit ears during a few openings where the 50-65 MHz got shorter than 700 miles but only heard a brief 88 MHz signal from South Dakota in early June. I hope other members are getting some good skip conditions this summer. No complaints here - except lack of E skip at FM and above. 73's Mike, VE7SKA

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401-2027

CDT

Equipment:

VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack UHF bow tie in the attic at approximately 15 feet. Kawasho 13" color set.

Greetings from Galesburg. I haven't written in some time, largely because there hasn't been much to write about. My outside antenna got torn down for a room addition, and we haven't had the means to replace it yet. Consequently, my tropo DX is at a standstill; channels 12 and 30 from Milwaukee in March are all I have new to show for this year so far.

E skip has been a little better when I could get to it. Here's what I've got:

June 1993		21 Es 1817	WSAZ	3 WV	464	3 Es 1205	WPBT	2 FL	1186		
16 Es 1929	KRGV	5 TX	968	(See Note)		1400	WEDU	3 FL	1013		
18 Es 1900	KIII	3 TX	1004	1832	WFSB	3 CT	910	1408	WESH	2 FL	973
	KRGV	5 TX	968	July 1993		1428	WUFT	5 FL	895		
1902	KPRC	2 TX	836	1 Es 1829	KBTX	3 TX	784	1432	WPTV	5 FL	1147

Note - State number 27 and my shortest E skip ever!

Hope things are going well for everyone who reads this. God bless and 73's.

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

CDT

Equipment: See August 1993 Western TV-DX.

July 1993		3 tr 0510	W40AN	41 MI	95	4 tr 0639	WTWO	2 IN	360					
1 Es 1300	unids chs 2 & 3	(Escanaba	w/WISN-12)			0703	WKGB	53 KY	510					
1530	KCNC	4 CO	965	(Normal	WLUK-11)		WKLE	46 KY	480					
1716	KBTX	3 TX	1065	Es 1420	WDIQ	2 AL	890	W68AA	68 IL					
	KDFW	4 TX	965		WEAR	3(AL)	955	(Danville	WAND-17)					
	KDTNt	2 TX			WKRg	5 AL	950	0715	WUSI	16 IL	390			
1749	KRIS	6 TX	1280	1431	WTVY	4(FL)	940		KNLC	24 MO	450			
1818	KXAS	5 TX	965	1432	WUFTt	5 FL			KDNL	30 MO	430			
1829	KENW	3 NM	1145	1500	WLBT	3 MS	860		WWSL	46(MO)	445			
1859	KAMR	4 TX	985	(ID "40 Years	WLBT-3")				KMOVt	4 MO				
	KLBY	4 KS	795	1505	WDSUt	6 LA		1003	WKYUt	24 KY				
1900	KSWK	3 KS	840	1517	WBRZt	2 LA			WDRB	41(IN)	430			
1903	KBSDt	6 KS			WWL	t 4 LA			WLKY	32(IN)	430			
1930	KFDX	3 TX	935	1527	WCTVt	6 GA			Es 2054	unids 2-3 south				
2000	KTXt	5 TX		1535	left house				5 Es 2154	unid channel 2+				
2026	KACVt	2 TX		1700	WCBD	2 SC	900		6 tr 0540	KYOU	15 IA	345		
	KASAt	2 NM		1710	WCIVt	4 SC				WICD	15 IL	305		
	KOB	t 4 NM			WWAYt	3 NC				CBCE	16 ON	285		
2105	all gone			1758	WECTt	6 NC				Es 1305	KXLF	4 MT	1210	
2 Es 1125	WBNCt	4 NY			WFMVt	2 NC					KRTV	3 MT	1155	
tr 2022	Rockford	33,45,		4 tr 0607	WEVV	44(KY)	455				1313	CBPC3	3 SK	995
		62 and 68			WTVQ	36 KY	470				1330	CFQC1	3 SK	1085
		WNED	45 OH	415	WLCN	19 KY	485				1530	KENW	3 NM	1145
3 tr 0445		CBLFT20	26 ON215		( See Note # 1 )							KOTA	3 SD	780
		CICO19	19 ON	340	0632	WFIE	14(KY)	455						

William Draeb (continued)

12 Es 2107	WEDU	3 FL	1185	18 Es 1718	KATC	3 LA	1030				
2110	WTVYt	4(FL)		1805	KALB	5 LA	965				
2124	WDIQt	2 AL			WBRZt	2 LA					
6 Es 1600	KACB	3 TX	1130		KJAC	4 TX	1050				
	("KRBC-9 ID")				KTBT	3 LA					
1602	KWSET	4 ND			KFDM	6 TX					
1615	KAMR	4 TX	985		(Snow free)	3 TX	1065				
1645	KFDX	3 TX	935		KIII	3 TX	1285				
1659	CITL	4 AB	1185	14 Es 1207	WCBD	2 SC	900				
1700	KWAB	4 TX	1125		WCIV	4 SC	900				
	( See Note # 2 )				WBTv	3 NC	710				
	KMIDt	2 TX			2232	WFMYt	2 NC				
	KACVt	2 TX			1238	WESHT	2 FL				
2000	KIII	3 TX	1285		1305	KOTA	3 SD	780			
	KBXTt	3 TX			( See Note # 5 )						
2115	KOTA	3 SD	780		1328	KRTV	3 MT	1155			
7 tr 0514	KYOU	15 IA	345		1829	WBRZ	2 LA	995			
	("FOX 15")					KRTV	3 MT	1155			
	CICO20	20 ON	210			( See Note # 6 )					
	CBLFT20	26 ON215			1832	KFBbt	5 MT				
	KASAt	2 NM			1915	KYUSt	3 MT				
	KENW	3 NM	1145			KXLF	4 MT	1210			
	KOB	4 NM	1185			1925	KOUS	4 MT			
1746	KAMR	4 TX	985		1948	all gone					
1800	KCNct	4 CO			15 tr 0515	W30AL	30 IL	200			
1811	KLBY	4 KS	795			W64BK	64 IL	285			
	( KAKE-10 News )					(Bloomington	WTO-35)				
1830	KTBS	3 LA	880			Central IL-IN	Us				
	WEDU	3 FL	1185			(Snow free)					
1900	KOB	4 NM	1185			0540	unid ch	34 TBN			
	("News 4 New Mexico")					0544	W69BJ	69 MI	195		
	KNMET	5 NM					W69BT	69 IN	200		
1958	KWAB	4 TX	1125				(South Bend	WCIU-26)			
2059	XEJ	5 CH	1350				W69AV	69 MI	95		
	( See Note # 3 )						(Leeland	WCML- 6)			
	KNME	5 NM	1185				W54BK	54 IN	205		
	KDBct	4 TX					(Chesterton	ANC)			
2215	mostly gone						WCET	48 OH	400		
10 tr 0515	WKBN	27 OH	420				WKON	52 KY	430		
	W69BJ	69 MI	195				WSTR	64 OH	400		
	(Lansing	WAQP-49)					( "Star 64" )				
	WAKC	23 OH	380				Es 1250	KRTV	3 MT	1155	
2045	W40AK	40 MI	110				1725	WFMY	2 NC	715	
	(Muskegon	CHA)						WWAYt	3 NC		
	( See Note # 4 )						1755	WCBD	2 SC	900	
	Other lower MI							WCIVt	4 SC		
	LPTVs snow free							1800	WBTv	3 NC	710
11 tr 0625	W30AL	30 IL	200				1945	WSB	t 2 GA		
	(Plano	CHA)							unid channel 2+		
0655	WTVQ	36 KY	470				2002	WESHT	2 FL		
Es 2015	KASAt	2 NM					2009	WJXT	4 FL	1030	
	KOB	t 4 NM					2016	KPRC	2 TX	1115	
	unid channel 3							WBRZt	2 LA		
2036	KMIDt	2 TX					2023	WMBAt	2 MS		
12 Es 1628	KUTVt	2 UT					2032	KDFWt	4 TX		
	KIDK	3 ID	1245					KXAsT	5 TX		
	KREXt	5 CO					2046	( See Note # 7 )			
1658	KTVX	4 UT	1280				tr 2100	W54BK	54 IN	205	
1700	KWCW	4 WY	1065				16 tr 2004	W18AT	18 IN	195	
1717	KXLF	4 MT	1210					(Gary	ANC)		
	KSL	t 5 UT						W24AW	24 IN	205	
1810	KWSET	4 ND						(Valparaiso	ANC)		
	CBPCP2t	2 SK						W54BK	54 IN	205	
1829	CFCN	4 AB	1310					( See Note # 8 )			
	CKKXt	2 AB						Other area	LPTVs		
1835	KRTV	3 MT	1155				17 Es 1735	KPRC	2 TX	1115	
	left house							KBXTt	3 TX		
2035	WESH	2 FL	1125					unid channel 4			
	WJXTt	4 FL						tr 2202	Iron Mtn	Us	100
	WUFTt	5 FL						18 Es 1628	KPRC	2 TX	1115
2107	WRBL	3 GA	850						KJAC	4 TX	1050

William Draeb (continued)	25 Es 1835	CFSS 3 SK 800	30 Es 1205	KXAS 5 TX 965
		CKCK 2 SK 890		KOET 3 OK 760
23 tr 0727	W66BD 66 IN 260	CFQC1 3 SK 1085	1230	KDFW 4 TX 965
(Fort Wayne WINM-63)		1850		1251
2012	WSEE 35 PA 410	CFQNT 2 SK	tr 1715	WCCO 4 MN 280
	WQLN 54 PA 410	CBCP2t 2 SK		(Stronger)
	WJETL 24 PA	CJFBt 5 SK		KTCAt 2 MV
	WETGt 66 PA	1920 unid channel 6	Es 1825	WCVBt 5 MA
	WOAC 67 OH 395	2050 all gone		WABTt 5 ME
2039	WSTR 64 OH 400	26 Es 0710	1830	WBZ 4 MA 830
	CBLN3t 64 OH	WLBZt 2 ME		WGBH 2 MA 830
	WCET 48 OH 400	@CKLT1 3 NB 975		WFSBt 3 CT
	WKON 52 KY 430	("Moncton" + c1k)		WLBZt 2 ME
2100	WPBO 42 OH 455	0805	tr 2249	CKLT1t 3 NB
2158	WWAT 53 OH 405	unids 2-3 south		WCET 48 OH 400
	(Snow free)	WLKY 32(IN) 430		WSTR 64 OH 400
	WCVNt 54 KY	WDRB 41(IN) 430	31 tr 0543	WAFF 48 AL 675
2212	WKBN 27 OH 420	WTVQ 36 KY 470		WDRB 41(IN) 430
	WYTV 33 OH 420	WKPC 15(IN) 430	0546	W40AN 40 MI 95
24 tr 0359	WFMJ 21 OH 420	WUSI 16 IL 390	(Escanaba w/WTTW-11)	0548
(HSS)		WVUTt 22 IN	0548	%WTVQ 36 KY 470
Es 1110	WESHT 2 FL	2143	@WKYT 27 KY 470	
	WCBd 2 SC 900	2146	WBMGT 42 AL	
	WWAYt 3 NC	27 tr 0540	W30AL 30 IL 200	
	WBTv 3 NC 710	0637	WAAyt 31 AL	
25 Es 1730	WFSB 3 CT 760	2115	WXIX 19(OH) 400	
1738	WGBH 2 MA 830	Lower MI LPTVs	WHTNT 19 AL	
	WLBZt 2 ME	(Very strong)	@WEVv 44(KY) 455	
1747	WNBC 4 NY 730	W15AM 15 MI 130	0614	@WFIE 14(KY) 455
	KYW t 3 PA	(Grand Rapids LPTV)	0628	W40AK 40 MI 110
1748	WTKRt 3 VA	( See Note # 9 )	0638	W40AK 40 MI 110
1820	WCBSt 2 NY	2157	unid ch 14 ssw	
	WBZ t 4 MA	2210	0641	WCET 48 OH 400
1832	CFSK 4 SK 1015	30 Es 1205	0719	WUSI 16 IL 390
		KBTX 3 TX 1065		
		KMOL 4 TX 1200		

- Note # 1 - Home Shopping Spree. Frazier Methodist Hour from 0700-0800.
- Note # 2 - "NEWS WEST 9" at 1800 (KTPX).
- Note # 3 - Local WFRV-5 off (a miracle?). A program promo in Spanish with the program schedule being shown. At 2100, news program with news from Oaxaca state.
- Note # 4 - "TV 40 Birthday Club" promo.
- Note # 5 - "KOTA Territory" in lower right corner of screen during local news show.
- Note # 6 - "KRTV-3" in lower right corner of screen during local news show.
- Note # 7 - (2046-2048). A grackle (bird) sat on my antenna and detuned it. I was watching E skip on channel 2 and it suddenly disappeared when the bird sat on one of the long active elements. The DX returned when the bird left. (I included this only because it is my first grackle report! fm)
- Note # 8 - News from WSBT-22 at 2216.
- Note # 9 - "Home Entertainment Network" carrying an episode of the "Real McCoys" (1960).

Frank Merrill, P.O. Box 669, Macomb IL 61455 (309-833-2661) CDT

**Equipment**

ICOM R-7000 VHF-UHF receiver with video adapter and Zenith L1310C9 13 inch. VHF-UHF (Winegard 8100?) with Winegard PA-4975 preamplifier, RG-11, at 40'.

May 1993	24 Es 1240	@XEFE 2 TA 1025	24 Es 2250	XEFB 2 NL 1160
23 Es 1047-1230	unids 2-4	1330 KUTV 2 UT 1125	26 Es 1430	WGBH 2 MA 1010

1992 Summary - Number of days most common stations were seen:

- Ch. 2 - WESH-FL 11/WPBT-FL 10/KNAZ-AZ and CKCK-SK 7
- Ch. 3 - CFQC1-SK 8!!!/WEDU-FL 7/KIDK-ID and KTVK-AZ 4
- Ch. 4 - KDBC-TX 5/KGBT-TX and CIL-AT 4
- Ch. 5 - KGWL-WY 4/WCVB-MA, XEJ-CH, and KSL-UT 3
- Ch. 6 - WLNE-MA and KSRE-ND 2

In compiling the number of days that the most common stations were seen, I came up with some real surprises, especially CFQC1-3.

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

**Equipment:**

ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7' dish with UA-900 preamplifier, .500 aluminum hardline up 85'. Channel Master 110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element low-band yaqi (vertically polarized) w/CP 3700 preamplifier, RG-11, up 10'. Finco 5 element 6 meter yaqi (vertically polarized) with Belden 9913 up 25' (for channel 2).

May 1993	9 Es 1330	unid 6z Mexico	17 tr 0350-0515	Canada 57.
13 Es 1750	KSWK 3 KS 590	( See Note # 2 )		59,32,29
	1815 CKCK 2 AB 960	unid 5+ Mexico	0455	W67AL 67 OH 505
	1900 WPBT 2 FL 1165	KACB 3 TX 815		(Eastlake WVIZ-25)
15 tr 0830	W36AR 36 IN 200	1700 & Cuba 2 s/on	0515	WSYT 68 NY 765
(Lafayette TBN)		1720 Cuba 6-	18 Es 0000	unid ch 2 Mexico
21 Es 1602	CKSA 2 AB 1270	WPBT 2 FL 1165	1010	XEFB 2 NL 1160
2040	CBCP3 3 SK 1030	2015 KUAT 6 AZ 1240		KVOA 4 AZ 1240
	CKKX 2 AB 1345	10 tr 0210	W47BC 47 OH 360	1037
	CFCnt 4 AB	(Springfield TBN)		KRGV 5 TX 1070
23 Es 2210	unid ch 2 SS se	WKEF 22 OH 340		KGBT 4 TX 1070
25 Es 1100	CBFT 2 PQ 930	( See Note # 3 )		unid ch 6 XHGC
	1158 CICA## 2 ON	0924 K31BW 31 KS 325	20 Es 2255	unid ch 2 Mexico
27 tr 0137	WDSI 61 TN 465	(Manhattan TBN)	( See Note # 5 )	
	WFLI 53(GA) 490	(o/u WMBD)	XHPN 3 CU 985	
	Huntsville 31,	0928 K14HK 14 KS 455	KGBT 4 TX 1070	
	48 and 54	(Great Bend KSAS-24)	21 Es 1300	KACV 2 TX 700
0316	@W24BP 24 IL 175	11 Es 0630	WUND 2 NC 835	1345
(Flora LPTV)		12 Es 1250	WUNC 4 NC 700	
0324	&unid 49z res ese	WUND 2 NC 835		1631
0347	W46AJ 46 TN 415	WSAV 3 GA 780	22 tr 0009	K35CY 35 MN 340
(Cookeville TBN)		2015	WWAY 3 NC 810	(Minneapolis HSS)
	(Over WHSL)	WEDU 3 FL 995	unid ch 53 MN	
28 tr	???? W41BL 41 IL 140	WCTV 6 GA 775	0115	unid ch 49
(Effingham FAM)		WCPX 6 FL 980		(K63DY CW ID)
29 Es	in & out all day	15 Es 1230	unid ch 4 Mexico	0251
2200	WCBd 2 SC 795	1730	CKCK 2 SK 960	(Worthington KSTP- 5)
WSAV 3 GA 780		CFSS 3 SK 870		24 Es 0920
30 tr 0140	CBLFT10 48 ON465	16 tr 0255	K2OCTt 20 AR	1000
Global 22, 29		(Springdale LPTV)		KMOL 4 TX 885
Es 1912	KTVK 3 AZ 1275	(Keystone - ssw)		unid ch 4 Mexico
2000	KGBT 4 TX 1070	Tulsa Us		unid ch 6 Mexico
2017	KIII 3 TX 970	Huntsville Us	25 Es 1127	WESH 2 FL 955
unids 2-4 Mexico		St. James MN Us		WPBT 2 FL 1165
		Austin MN Us		KIII 3 TX 970
		0348	K56Fdt 56 MO	1340
June 1993		(Springfield LPTV)		KMOL 4 TX 885
3 Es 1015	WEDU 3 FL 995	0415	unid ch 40 HSS s	KENW 3 NM 860
unid ch 2 Mexico		0442	K31DV 31 MO 290	KDBC 4 TX 1065
unid ch 4 Mexico		(Branson LPTV)		KASA 2 NM 920
WTVV 4 FL 1165		( See Note # 4 )		1514
1032	WTVV 4(FL) 715	Es 1800	WPBT 2 FL 1165	W48AV 48-MI 425
	WESH 2 FL 955		WSAV 3 GA 780	(Detroit FAM)
1100	WDSU 6 LA 725		KMID 2 TX 865	W48AP 48+OH 375
5 Es 1530	unid ch 2 CTv		WJXT 4 FL 870	(Toledo VJN)
1600	CBFTt 2 PQ		KWAB 4 TX 825	0558
6 tr 0300	Birmingham 42.68		KACB 3 TX 815	W69BT 69 IN 245
WXTX 54 GA 640			KRIS 6 TX 965	(South Bend w/WGBA-26)
(Rare - o/WZDX )			WEDU 3 FL 995	(Normal WCIU-26)
Es 1235	unid ch 2 TA		XET 6 NL 1160	0607
2127	XHIA 2 CU 1265		KRGV 5 TX 1070	W67CO 67 AL 460
(Rare)			2200	KIII 3 TX 970
8 Es 2000	unid ch 2 Mexico		2300	KMOL 4 TX 885
XHIT 4 CH 1195			17 tr 0125	WKBS 47 PA 640
lots of Es all			0250	@WUHF 31 NY 695
evening chs 2-6			( "FOX 31" )	
9 Es 1330	unid ch 2 Mexico		0350-0515	Canada 34,
unid ch 4 Mexico				40,45,41,22,42,
@XET 6+ NL 1160				

Jeff Kadet (continued)	3 Es 1515	WCBD 2 SC 795	11 Es 0930	WPBT 2 FL 1165
		unid chs 3,4 SS	12 Es 1648	KTVQ 2 MT 965
		( See Note # 8 )		CFQC1 3 SK 1150
27 tr 0030	WTLK 14 GA 535	6 tr 0309	W44BF 44 WI 235	KXLF 4 MT 1155
	( See Note # 6 )		(La Crosse TBN)	CITL 4 AB 1270
0105	unid channel 61	0332	W40AY 40 MI 390	CKSA 2 AB 1270
	( See Note # 7 )		(Travrsr City WGKI-33)	13 tr 0034
0247	W25AI 25 OH 340	0415	W55AO 55 WI 375	W46BX 46 OH 390
(Cincinnati LPTV)	( "TV-25" )		(DoorCounty w/WCFC-38)	(Toledo TBN)
28 Es 1800	XEFB 2 NL 1160		(Normal WPNE-38)	0214
29 Es 1315	MUF above ch 6		(Best ever)	0312
	KMID 2 TX 865	0426	W68BS 68 WI 305	W48AP 48 OH 375
	unid ch 6 Mexico		(Green Bay TBN)	0312
	XKXET 6 NL 1160	0447	WGKU 45 MI 440	W62BE 62 OH 405
1330	KDBF 4 TX 1065	0604	W69AV 69 MI 400	(Columbus MST)
1600	KNAZ 2 AZ 1195		(Leeland WCML- 6)	15 Es 2205
	KTWO 2 WY 825	Es 1102	WCBD 2 SC 795	XEFE 2 TA 1025
	KTVQ 2 MT 965		WCIV 4 SC 800	KIII 3 TX 970
	KIDK 3 ID 1145		( See Note # 9 )	2221
2000	CKCK 2 SK 960		unid ch5 Spanish	XEFB 2 NL 1160
	KMID 2 TX 865		WCSC 5 SC 800	16 Es 0926
2137	KACV 2 TX 700		unid ch6 Spanish	KNAZ 2 AZ 1195
2200	KENW 3 NM 860		unid ch3 Spanish	1300
	KAMR 4 TX 705		unid ch2 Spanish	XKFE 2 TA 1025
	KPRC 2 TX 800	1130	KGFE 2 ND 640	17 Es 1700
			unid ch3 Spanish	KASA 2 NM 920
			unid ch2 Spanish	18 Es 1700
			1200	WESH 2 FL 955
			KXMA 2 ND 750	19 Es 0915
July 1993			1359	XHEA 5 CU 1195
1 Es 1015	WEDU 3 FL 995		WFSB 3 CT 930	unid ch 3 XEW
	WESH 2 FL 955		KENW 3 NM 860	20 tr 0507
	WTVJ 4 FL 1165		KTVX 4 UT 1125	W48BD 48 KY 425
	WPBT 2 FL 1165		WEDU 3 FL 995	(Corbin TBN)
1530	WKTV 2 NY 830		WTVJ 4 FL 1165	( See Note #11 )
1542	WCBS 2 NY 870		WJXT 4 FL 870	0513
1709	KIII 3 TX 970		WPBT 2 FL 1165	W20AS 20 KY 425
	KBTX 3 TX 745		22 tr 0225	(Corbin FAM)
	KRGV 5 TX 1070		OH xlters/LPTVs	21 tr 0052
	KRIS 6 TX 965		26 Es 1657	unid ch 30- HSS
	1821		WPBT 2 FL 1165	(Lexington hdq )
	KOCT 6 NM 915		WESH 2 FL 955	Es 1430
	(KOAT-7 ID)		27 tr 0035	WESH 2 FL 955
1940	KOB 4 NM 930		W27-- 27 ??	WPBT 2 FL 1165
2000	unid ch 3 Mexico	7 Es 1215	KPRC 2 TX 800	(Unknown MST)
	KASA 2 NM 920		( See Note #10 )	( To southeast )
2030	KSWK 3 KS 590		unid channel 4	W48BD 48 KY 425
	KOAA 5 CO 755		("Kansas-10")	W20AS 20 KY 425
	KCNC 4 CO 770		1830	W68BP 68 OH 340
	KMID 2 TX 865		KASA 2 NM 920	(Dayton TBN)
	WPBT 2 FL 1165		KTVQ 2 MT 965	0400
3 Es 1115	WEDU 3 FL 995		CKCK 2 SK 960	St. James good
	WTVJ 4 FL 1165		KCNC 4 CO 770	0457
	WESH 2 FL 955		KREG 3 CO 885	unid channel 48
1415	WJXT 4 FL 870		KWSE 4 ND 840	("Montreal")
	WCPX 6 FL 980		KTYM 6 MT 1155	0458
	WPTV 5 FL 1130		CFQC1 3 SK 1150	WMSY 52 VA 550
1515	WCIV 4 SC 800		KCWC 4 WY 940	Es 1904
	WWAY 3 NC 810		1907	KNAZ 2 AZ 1195
	WSAV 3 GA 780		1957	28 tr 0300
			KENW 3 NM 860	(St. Louis VJN)
			KACV 2 TX 700	( See Note #12 )
			KRMA 6 CO 770	30 Es 1106
			KAMR 4 TX 705	WESH 2 FL 955
			KACB 3 TX 815	31 tr 0326
			KDBC 4 TX 1065	unid channel 48
			KMID 2 TX 865	("Montreal")
			2100	0400
			CKB13 4 SK 1025	unid ch 14+ HSS
			2130	(To se - WTLK? )
			KNAZ 2 AZ 1195	0450
				@WLOS 13 NC 550
				WVEU 69 GA 575
				0458
				+WKCH 43 TN

Note # 1 - Worst video ever seen on a TV station. The cci it puts on other channel 41s looks like something never seen before. Sort of like overload interference. Still has same signal on August 2! Local advertisers include Bunnie's Berries, a bait shop, and a hypnotherapist.

- Note # 2 - University course on agriculture.
- Note # 3 - Demolishing 2 mile distant same offset WMEC.
- Note # 4 - Seems to broadcast only local advertising and current events.
- Note # 5 - Bullfight in Spanish. "deportv" in upper left.
- Note # 6 - Showing a movie with frontal nudity!
- Note # 7 - Video on 61 -- to St. Louis switching between Home Shopping and WWTO-35. Cannot conceive what this could be. (For that matter, on 02/08/91 a unIDed TBN was seen on channel 68, also coming from the direction of St. Louis and it has never been IDed. Suspect it had something to do with

Jeff Kadet (continued)

- Note # 8 - the channel 18 which came on a few months later.) Lots of interesting Spanish stations in on channel 4. Frank Merrill got the Dominican Republic on double hop E skip. After playing back my tape there appears to be three or four different Spanish stations in there. Tape being sent to Caesar Obijo with fingers crossed.
- Note # 9 - The conditions from 1100 to 1200 were a carbon copy of the double hop E skip conditions on July 3 from 1400-1530 with channel 4 still being the most interesting. Tapes from this session being sent to Caesar Obijo also. Tentative Puerto Rico and Dominican Republic loggings today.
- Note #10 - KPRC's logo and WESH's logo are almost identical and both stations are NBC and channel 2-. So far at least, it appears that KPRC's "2" is white and WESH's "2" is black.
- Note #11 - A TBN translator which actually keeps their ID on the screen all the time.
- Note #12 - Selling classified advertising in your own voice @ \$20/week.

Thanks to Tom Bryant and Doug Smith for a great convention! Was another Mexican seen here by tropo on 06/17/92? Joe Graqq who does a lot of work at northern Mexican TV stations mentioned that there is a channel 23 in Nueva Rosita about 75 miles southwest of logged channel 46 in Piedras Negras. There is still an unIDed channel 23+ from that opening which carried Univision. Stay tuned.

It's been ten years since moving to Macomb in July 1983. While it's interesting to see what has been logged from here, it is equally interesting to see what has NOT been logged. (Frank Merrill concurs with all of these).

By tropo: W67CH La Crosse, Wisconsin. I know this is on the air and it was logged once while still on channel 83, but I have sat on channel 67 for hours while channel 31 up there is pinning the meter, but all I ever get is W67AC. Ditto W62BH Hopkinsville, Kentucky. Channel 43 there can be barreling in, but I've never even seen traces of cci from them. Ed Phelps complains they overload his receiver. WKYU-24 Bowling Green, Kentucky, never even a trace. WDCN-8 - Frank has this, but I've spent hours trying to get it with no luck. Lack of Winnipeg on tropo. Probably the biggest surprise. Figured that in ten years there would be at least ONE opening up to there. Also, still need tropo from New Mexico and Wyoming. Lack of deep Florida tropo - other than a few weak openings into central Florida (WTGL-52, WMOD-43, WFTS-28, WOFL-35) there has been nada. Figured Tampa/St. Petersburg would have been more common here since part of the path is over water. WHNS-21 Asheville, North Carolina - forget it!

By E skip: KTVN-2. At 1535 miles and with a totally clear channel 2 here, this station has never been seen. WSB-2 at 575 miles is another one. I have channel 5 from Atlanta by E skip, but not them. WGRZ-2 is fairly common by E skip here, but WIVB-4 has never made it in. Double-hop E skip to Central America - Frank and I figured this stuff would be common, but neither of us have anything from there. Bill Eckberg has YSR-2. In fact, double hop is down right rare from here. Only KCRA-3 and perhaps a few Mexicans / Dominicans are the only double hop E skip ever seen. KCRA is usually seen at least once every E skip season. Wonder if its circular polarization helps with that? There are tons of West Coast lo-banders which have refused to double hop into Macomb including needed Oregon! 73.

(Jeff, could your channel 27 from the southeast with Main Street TV have been W27AN at Murfreesboro, Tennessee? At one time, it reportedly carried Channel America, but maybe it has changed? fm)

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

Equipment:

Icom R-7000, 1981 Magnavox b&w TV, Antennacraft Y10-10 and 10G205C preamplifier at 25' and Channel Master 7' dish and BT CMA-Uc preamplifier at 28'.

June 1993	22 tr 0920	K14-- 14 CO?	22 tr 1010	K67-- 67 CO?
2 tr 0750	KSNG 11 KS 240	(Unknown KMGH- 7)		(Unknown KTVS- 3)
	0751	KUPK 13 KS 255	0927	KCIT 14 TX 305
	0910	KSAS 24 KS 415	0936	K18AE 18 CO 140
	6 tr 0659	K14HKT 14 KS		(Akron KUSA- 9)
	(Great Bend	KSAS-24)	0939	K16AC 16 CO 140
	0940	KOKI 23 OK 555		(Akron KCNC- 4)
	0955	KSAS 24 KS 415	0945	K14AE 14 CO 140
	1005	KRSct 35 OK		(Akron KWGN- 2)
22 tr 0915	K14-- 14 WY?	1000	K67-- 67 KS?	July 1993
	(Unknown	KTVS- 3)		6 tr 0625
		(Unknown	KBSL-10)	KXNE 19 NE 465
				0630
				KGWC 14 WY 270
				0640
				K14-- 14 WY?
				(Unknown
				KGWC-14)
				( See Note # 1 )

Doug Allen (continued) 6 tr 0721 KPQC 15 NE 10 tr 0520 KEVnt 7 SD  
 0730 K61-- 61 WY? ( See Note # 4 )  
 6 tr 0705 KPTM 42 NE 490 ( See Note # 2 ) 0857 KUON 12 NE 480  
 0710 K61CUT 61 NE 10 tr 0510 KOLnt 10 NE ( See Note # 5 )  
 (Lincoln LPTV) 0515 unid channel 12 0904 KXNE 19 NE 465  
 (+offset - CBS?) ( See Note # 3 ) 0915 KBInt 32 IA

- Note # 1 - KGWC is minus offset. The translator was plus offset and peaked further east than KGWC.
- Note # 2 - "You're watching TV-5, Wyoming's new leader."
- Note # 3 - Zero offset - "Save the Kids" religious program which doesn't fit KRNE's PBS format. Peaked NE. (KTTM, Huron SD? fm)
- Note # 4 - Home Shopping Club. Peaked north. Plus offset.
- Note # 5 - "Nebraska Public Television." Peaked east, not toward Merriman. Minus offset.

Spent the last half of July in northern New York and at the great Nashville convention. Good to meet so many! With the weather patterns changing (hopefully) and the low pressure leaving the upper midwest to dry out, maybe we'll get some good late summer and autumn tropo. So far, it's been the worst tropo season in the five years I've been in Colorado. 73, Doug

(Doug, your unID translators are intriguing - baffling - particularly, all the channel 14s. The FCC database dated 05/29/93 shows only one 14 in Colorado and two 14s in Wyoming. The Colorado translator is K14AE which you have located. The Wyoming translators are K14HH at Teton Village (430 miles from your QTH) and K14IL at Pinedale (375 miles). According to TV Factbook, both of the Wyoming translators translate KCWC (K14HH is owned by KCWC). The FCC shows no construction permits or pending applications for channel 14 in either state. Hope you can track these down! Also, the construction permit for KPQC-15 was cancelled on 06/30/92. fm)

Robert DeLaney, RR#4 Box 385, Mt. Vernon IL 62864 (KA9UVY) (618-242-7256) CDT

Equipment:

1990 Zenith 13" color SS 1311W, Emerson 885 VCR. UHF ant: 7' parabolic CM 4251 @ 110' aql, UA 900 preamp, RG-11 coax. VHF ant: rotatable vertical dipole @ 25' aql for E skip, CM 3608 @ 55' aql. Camera: Pentax K 1000 with Kodak Gold Plus 200.

July 1993 18 tr 0602 K49CG 49 AR 310 25 tr 0538 @KFXK 51 TX 540  
 3 Es 1400 WESH 2 FL 780 (Little Rock VJN) 0557 W54AP 54 IL 230  
 1452 WTVJ 4 FL 990 20 tr 0302 W48Apt 48 OH (Blue Island LPTV)  
 4 tr 0410 KTXA 21 TX 600 (Toledo VJN) 0618 KXLN 45 TX 710  
 0420 @KRSC 35 OK 390 0453 WEA0 49 OH 430 0631 KHTV 39 TX 710  
 0500 KDAF 33 TX 600 0546 WSBN 47 VA 355 0638 KNVO 48 TX 995  
 0501 KDTX 58 TX 600 0558 WKPI 22 KY 355 0654 KVDA 60 TX 820  
 0732 W69BT 69 IN 270 0635 W54Aft 54 OH 0712 @KMBH 60 TX 990  
 (South Bend WCIU-26) (Bucyrus LPTV) 26 tr 0500 K65EK 65 AR 330  
 0948 WTBU 69 IN 180 0728 WOAC 67 OH 435 (Pine Bluff ACT)  
 5 tr 0405 @WUAB 43 OH 435 0732 W50Bet 50 OH (See Note)  
 0446 WEA0 49 OH 430 (Mansfield ANC) 0501 @KLRT 16 AR 315  
 6 Es 1715 KPVI 6 ID 1265 22 Es 1930 WGBH 2 MA 970 0505 @KMSS 33 LA 480  
 1730 KIDK 3 ID 1285 24 tr 0657 W36AM 36 TN 225 0526 @KTXH 20 TX 710  
 1830 KREG 3 CO 995 (Memphis VJN) 0535 @KRIV 26 TX 710  
 1853 WTVJ 4 FL 990 25 tr 0400 KLTJ 22 TX 720 0540 @KETH 14 TX 710  
 1900 KENW 3 NM 885 0401 KHSH 67 TX 710 0555 @KTMD 48 TX 710  
 1901 WPBT 2 FL 990 0416 KWKT 44 TX 680 0630 WNTZ 48 MS 490  
 8 tr 0330 WXON 20 MI 410 0417 KLAX 31 LA 510 0652 @WLLA 64 MI 345  
 0342 WKBD 50 MI 410 0421 KABB 29 TX 820 0700 W69BJ 69 MI 380  
 9 tr 0310 KDAF 33 TX 600 0428 KXAN 36 TX 750 (Lansing WAQP-49)  
 0345 WNTZ 48 MS 490 0502 KHSH 49 TX 600 30 Es 1300 KTWO 2 WY 960  
 0700 KDTX 58 TX 600 0510 KMSS 33 LA 480 1501 KIDK 3 ID 1285  
 17 Es 1635 KIDK 3 ID 1285 0534 KETK 56 TX 560

Note - "TV 65 Pine Bluff's Own." No call given.

I am very pleased with the 7' dish @ 110'. I am seeing many LPTVs that I only saw once in a great while often now. Also, the opening on the 25th netted me my furthest tropo catch ever with KNVO 48 being about 996 miles!!! 73 till next month, de Bob

Michael Parks, Route 1, Box 103, Amery WI 54001

CDT

Equipment:

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 HI "Q" trap, and Zenith 21920W 19" color TV.

May 1993 12 Es 0006 unid channel 2+ 6 Es 1044 KATC 3 LA 1062  
 6 tr 0308 Chicago UHFs 15 Es 1300 WLBT 3 MS 918 1051 KALBt 5 LA  
 WNDU 16 IN 402 1505 KBTX 3 TX 1047 1052 WDSU 6 LA 1076  
 WSBT 22 IN 401 1528 KATC 3 LA 1062 1057 HWL t 4 LA  
 WHME 46 IN 404 1530 unid ch 3 PBS 1215 WBRZ 2 LA 1046  
 0319 WBSX 31 MI 462 16 Es 1755 KRTV 3 MT 915 1224 KIDK 3 ID 1012  
 0321 W44BF 44 WI 120 ( See Note # 2 ) (Received off  
 (La Crosse TBN) 1959 KENW 3 NM 1017 antenna back)  
 0324 WSJV 28 IN 402 17 Es 1231 CFRN 3 AB 1086 1228 WEAR 3(AL)1052  
 0339 WTLJ 54 MI 359 2057 KRTV 3 MT 915 1235 %WDIQt 2 AL  
 0341 @WGTE 30 OH 513 2110 KLEW 3(WA)1191 1254 KTVQ 2 MT 782  
 0342 WXMI 17 MI 384 2120 KMID 2 TX 1065 1347 CFRN 3 AB 1086  
 WLS 7 IL 336 2130 KENW 3 NM 1017 7 Es 2028 KPRC 2 TX 1109  
 0344 WPTA 21 IN 465 2137 WBRZ 2 LA 1046 8 Es 1322 CFAP 2 PQ 1010  
 WLIO 35 OH 522 WLBT 3 MS 918 unid ch 2 SRC  
 0346 K74CZ 74 MN 101 2152 KFDX 3 TX 863 1352 unid ch 3 SRC  
 (Winona KTTC-10) 2210 KACB 3 TX 1049 1401 CFRS 4 PQ 1032  
 W67CH 67 WI 123 unid channel 6- 1500 CFCL2 2 ON 631  
 (La Crosse KTTC-10) 18 Es 1859 KIII 3 TX 1261 ("MCTV")  
 0455 W43AV 43 WI 263 1902 KRIST 6 TX 1751 KENW 3 NM 1017  
 (Waukesha HSS) 2031 unid ch 4- NBC 1759 KACV 2 TX 857  
 13 Es 2116 KLEW 3(WA)1191 21 tr 0851 K30DK 30 MN 185 1800 KACB 3 TX 1049  
 2303 KIDK 3 ID 1012 (Bemidji KMSP- 9) 1806 KOCT 6 NM 1079  
 16 Es 1953 unid ch3 CBS/MDT Es 1159 KMID 2 TX 1065 1819 KJRH 2 OK 672  
 1958 CFQC1 3 SK 858 1558 KENW 3 NM 1017 1822 KPRC 2 TX 1109  
 1959 KPVI 6 ID 1008 25 Es 1159 KATC 3 LA 1062 1826 WEAR 3(AL)1052  
 2200 WDIQ 2 AL 1008 1307 WWL 4 LA 1078 1857 WEDU 3 FL 1333  
 21 Es 1940 unid chs 2, 3 1430 KBTX 3 TX 1047 1859 KMID 2 TX 1065  
 1500 KMID 2 TX 1065 1911 KATCt 3 LA unid ch 2 PBS  
 ( See Note # 3 ) 1921 KENWt 3 NM  
 June 1993 2 Es 1905 KVBC 3 NV 1350 1512 KENWt 3 NM 1921 KENWt 3 NM  
 unid ch3 Spanish 28 Es 1215 KPRC 2 TX 1109 1931 KIII 3 TX 1261  
 3 Es 1400 KMID 2 TX 1065 1229 KBTX 3 TX 1047 2302 KRMA 6 CO 947  
 KENW 3 NM 1017 1246 %WDIQt 2 AL 14 Es 1930 KREM 2 WA 1196  
 KAMR 4 TX 859 29 Es 1957 KENW 3 NM 1017 KLEW 3(WA)1191  
 1415 KACvt 2 TX 2058 KPRC 2 TX 1109 30 Es 1430 KASA 2 NM 1024  
 1424 KBTX 3 TX 1047 (ID -huge calls)  
 9 Es 2108 KNAZt 2 AZ July 1993 1 Es 2000 KFDX 3 TX 863 August 1993  
 KBTX 3 TX 1047 1 Es 2000 KFDX 3 TX 863 2 Es 2159 KENW 3 NM 1017  
 KAMR 4 TX 859 2015 KAUZt 6 TX  
 2122 KOCT 6 NM 1079 2100 KMID 2 TX 1065  
 ( See Note # 1 ) 5 Es 2227 CKKX 2 AB 1081

- Note # 1 - It was stated in the December 1992 TV News column that KVIO-6 had been sold. Apparently the station is now a satellite of KOAT-7, Albuquerque, as I saw them air several KOAT-TV promos. Thus KVIO-TV remains an ABC affiliate. (I changed your loggings to reflect their new call letters - KOCT. fm)
- Note # 2 - ID at 1800 showed a picture of a tower and transmitter shack with the words, "Support your local translator association!"
- Note # 3 - IDed with translators K76AP, Big Lake, and K12FM, Fort Stockton.

This year's E skip season seemed to peak a couple weeks late. I was almost ready to call it a bust. All in all, I would say that this summer was better than last. However, on the tropo front, this summer is worse than last year - a complete bust. I saw more tropo last winter (and it was none too plentiful then)! During July, most of the unsettled, stormy weather moved several hundred miles to the south and has, for the most part, left this area high and dry. This, along with a belated increase in the number of warm, muggy days, led me to believe that the tropo would soon be arriving, but alas, nothing much materialized.

Michael Parks (continued)

DXers take note: WCCO-4 is now transmitting with a plus offset rather than zero. (This was necessitated by the vacant channel 4z assignment granted to Crandon, Wisconsin a few years ago.) I do not know exactly when the change took place. I had the opportunity to determine their offset with an AOR handheld scanner in early May, and they were +10 KHz at that time. Their new offset was verified on June 25 when they produced a zero beat against plus offset WWL-TV.

Further evidence that WLAX-25's satellite station, WEUX-48, is really a translator; it appears to receive its signal off air rather than via microwave relay. Any technical difficulties that WLAX transmits are perfunctorily repeated by WEUX. Weather watch symbols have been seen in the corner of the screen as well, despite the fact that the watch area affected La Crosse, but didn't come near Eau Claire. None of this occurs with WXOW-19/WQOW-18, another primary and satellite pair in the La Crosse/Eau Claire market. I find it especially annoying that WEUX seems to have no automated equipment for detecting the lack of WLAX's signal and shutting down appropriately. Even though WLAX goes silent after sign/off, WEUX stays on all night with a black screen and a tremendous hiss for audio. Additionally, there are absolutely no commercials for the Eau Claire area - just La Crosse. Since they apparently have no sales office in (or near) Eau Claire, I wonder if they even have a studio of any kind; the only mailing address given on air is that of WLAX's La Crosse studio.

Wireless cable is now available in this area. I have been receiving fliers in the mail trying to induce me to subscribe. But at \$39.99 a month for only 12 channels, I'll pass. I've noticed ads in electronics magazines for wireless cable receiving equipment. Has anyone tried DXing wireless cable stations yet? I wonder where a person could even get basic information on these stations, such as call letters, tpo or erp, transmitter location, etc. I have no idea where the system in this area is transmitting from. The flier gives only a phone number for a sales office to arrange an in-home demonstration. (Wireless cable is included in the Services volume of Television and Cable Factbook. I don't have the 1993 edition, so am unsure what serves your area. fm)

DXers fed up with today's generation of TVs and VCRs and their muting facilities might want to investigate the Sharp brand name. I don't know about their entire line, but the models I had the opportunity to try awhile back (one of each) were not too bad in the tuner department. Although the VCR's tuner could take up to two seconds to lock onto a weak signal, it easily rivaled my Zenith TV's tuner - especially on UHF, a common weak spot in VCR tuners. E skip can cause many VCRs to lose sync, but other than losing the color, this VCR had no problem taping interference plagued signals. Perhaps most importantly of all, both the TV and VCR had a switch to kill the dreaded blue screen. Sorry, but I don't know what the model numbers were. Until next time... 73, Mike

William Eckberg, 1032 Sterling Road, Dixon IL 61021

COT

## Equipment:

1966 Zenith b&w receiver ch 14N22, modified UHF tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish at 52'. RDX Labs UA700 and UA900 preamplifier respectively. Jerrold CAC11 cable.

July 1993		2 Es 1415		XHRID 2 TA 1201		8 Es 1900		KYUS 3 MT 853	
1 Es 1805	KXAS 5 TX 757	3 Es 1605	WESH 2 FL 983	1910	KIDK 3 ID 1123	1910	KIDK 3 ID 1123	1910	KIDK 3 ID 1123
1810	KENS 5 TX 992	1815	KIII 3 TX 1072	1930	KOAA 5 CO 828	1930	KOAA 5 CO 828	1930	KOAA 5 CO 828
1820	KDFW 4 TX 738	5 Es 1655	ICRT 2 Cuba	1945	KSL 5 UT 1139	1945	KSL 5 UT 1139	1945	KSL 5 UT 1139
1825	KOCO 5 OK 578	ICRT	5 Cuba	2000	KTXT 5 TX 875	2000	KTXT 5 TX 875	2000	KTXT 5 TX 875
1905	KGWN 5 WY 785	1700	WPBT 2 FL 1229	2100	KWGN 2 CO 811	2100	KWGN 2 CO 811	2100	KWGN 2 CO 811
1930	KTWO 2 WY 849	WEDU	3 FL 1031	12 Es 1700	KIDK 3 ID 1123	1710	KTVQ 2 MT 968	1710	KTVQ 2 MT 968
KOAA	5 CO 828	6 Es 1235	KFBB 5 MT 1112	1710	KTVQ 2 MT 968	1710	KTVQ 2 MT 968	1710	KTVQ 2 MT 968
2000	KENW 3 NM 912	1250	CKCK 2 SK 918	15 Es 1200	WUND 2 NC 797	15 Es 1200	WUND 2 NC 797	15 Es 1200	WUND 2 NC 797
KACB	3 TX 803	1300	CFQC1 3 SK 1120	2100	KTWO 2 WY 849	2100	KTWO 2 WY 849	2100	KTWO 2 WY 849
2030	KASA 2 NM 972	1825	KIDK 3 ID 1123	17 Es 1530	KIDK 3 ID 1123	17 Es 1530	KIDK 3 ID 1123	17 Es 1530	KIDK 3 ID 1123
2200	KWGN 2 CO 811	1830	KUTV 2 UT 1139	30 Es 1430	KUTV 2 UT 1139	30 Es 1430	KUTV 2 UT 1139	30 Es 1430	KUTV 2 UT 1139
2 Es 1200	WPBT 2 FL 1229	1900	KACB 3 TX 933	1500	KIDK 3 ID 1123	1500	KIDK 3 ID 1123	1500	KIDK 3 ID 1123
1303	ICRT 2 Cuba	8 Es 1900	KNME 5 NM 1026	31 tr 0435	WLOS 13 NC 558	31 tr 0435	WLOS 13 NC 558	31 tr 0435	WLOS 13 NC 558
1325	ICRT 5 Cuba	KTVQ	2 MT 968						

Cuba is running patterns for hours in the afternoon on channels 2 and 5. I've logged their pattern ranging from 1303 to 1655 on July 2, 5, and August 5 with color bars in July and back to the Phillips in August.

I saw WLOS-13 the first time this year in July. My favorite test pattern is gone forever, replaced with color bars, ID, and GTH!

No UHF in operation yet after a lightning hit. I purchased a new rotor which has most of the features I've been looking for. It is the Yaesu G-400RC. It has compass dial,

William Eckberg (continued) north stop, adjustments for each end of rotation, and a very sturdy antenna motor with a 11 square foot wind load rating. It is reasonable at \$219 on sale. I haven't installed it yet, but it looks like a winner. I was going to purchase the Alliance HD73, but it was discontinued.

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

MOT

## Equipment:

TVs: 27" Magnavox Color Monitor, 19" RCA color, 13" BMG color monitor. VCRs: Radio Shack MTS stereo, RCA mono. Antenna: Radio Shack ch 2-13 14 element on rotor at 2'.

This season has definitely been better than last year. I have spent more time with TV-DX than last year as I was not having to worry about working short skip on 10m for WAS. Two things to note: MUFs rarely went above channel 4 and many openings started after 2100 going past 0200, making it possible to ID a few stations on channels 2 and 4. KBCI-2 has been signing off between 0030 and 0130 and KAID-4 signs off around 0030.

I was on vacation during the last part of May and early June for ARRL in Seaside and also last week of June for IRCA in Billings, so no report for those periods.

Have been getting ready for ATV, will be soon buying a transmitter for 439.25. I have already obtained a downconverter for the 440 MHz band and my new TV covers the ATV portion of the band. I have built a skeleton slot beam for ATV and will be putting it on my new 32' tilt over tower which presently has my 2 element 10m beam and 2 element 2m quad.

For those hams in the club, I would be interested in starting a 10m net on Saturdays. I suggest around 28.440 at 20:00 UTC. I will give a few CQs on the frequency the next few Saturdays after this appears.

I will be running both VCRs again like last year for Perseids so wait for my next report!

May 1993		30 Es 0000		KENW 3 NM 970		13 Es 2100		KACB 3 TX 1190	
22 tr 1440	KMVT 11 ID 110	0005	KDBC 4 TX 970	15 Es 2000	KLNE 3 NE 885	0115	KASA 2 NM 745	2120	KYTV 3 MO 1295
	( See Note # 1 )	0130	KMID 2 TX 1095	21 Es 0100	KUSD 2 SD 975	2100	KFDX 3 TX 1160	2100	KFDX 3 TX 1160
23 Es 1200	KSWK 3 KS 885			23 Es 2100	KMTV 3 NE 1040	24 Es 1825	KSNW 3 KS 1055	27 Es 2100	KENW/KFDX/KSWK
26 Es 2000	KTVK 3 AZ 745			29 Es 2330	KSNW/KFDX	30 ?? 0200	OKJRH 2 OK 1205		( See Note # 2 )
June 1993		1 Es 2200		KENW 3 NM 970		23 Es 2100		KMTV 3 NE 1040	
9 Es 2100	KTVK 3 AZ 745	6 Es 2300	KSNW 3 KS 1055	24 Es 1825	KSNW 3 KS 1055	27 Es 2100	KENW/KFDX/KSWK	29 Es 2330	KSNW/KFDX
16 Es 2200	XHBC 3 BN 760	7 Es 2030	KFDX 3 TX 1160	2100	KSWK 3 KS 885	2200	KENW 3 NM 970	2130	KLNE 3 NE 885
18 Es 2200	KSNW 3 KS 1055			8 Es 2100	KTVK 3 AZ 745				
21 Es 0000	KYTV 3 MO 1295								
	XEPMT 2 CH								
29 Es 2030	KFDX 3 TX 1160								
	2130								

Note # 1 - tr/gw - Finally seen here after four years, weak but readable. Using new TV receiver.

Note # 2 - Es/ms? - A couple of minutes of nice IDed color bars.

Fred McCormack, 2384 Teakwood Dr, Maplewood MN 55119-5520

COT

## Equipment:

General Electric 9" color (Model 09GP103). VHF: Rabbit ears. UHF: Archer Golden-U UHF Indoor Antenna (2 bow-ties).

May 1993		13 Es 2014		KLEW 3(WA)1160		21 tr 0759		WKOW 27 WI 215		1 tr 0748		K26CL 26 MN 135	
						0830	WMSN 47 WI 215			(Alexandria)	WCH		
										0801	K48AH 48 MN 100		
										(Willmar)	KMSP- 9)		
										0804	K46AC 46 MN 100		
										(Willmar)	WCCO- 4)		
										11 tr 0945	K26AC 26 MN 200		
										0952	K18AI 18 MN 165		
										0953	K49CU 49 MN 155		
										(Walker)	KMSP- 9)		
										0955	CIC091 44 ON 340		

This is all I have, despite John Ebeling's much appreciated effort to keep me aware of E skip openings. I just couldn't ID the stuff! Still hoping for some 500 mile tropo.



# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

SEPTEMBER 1993

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

DEADLINE: 14th

## LOW PRESSURE BLAMED ON LACK OF TROP ON FRONT RANGE

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

Equip.: Sears AM-FM-TV bank radio

7/3 Es

1552 KNIVU 88.1 TX Denton  
Correction to my Aug.'93 VUD report: 6/13, WKID should read WKIK.

Doug Smith(W9WI), 14 Brookside Court, Nashville, TN 37209-4503

7/1 Es, tr

1800 94.5 **KSKL** **KS** Scott City, local ad 763  
96.1 **KCLL** **CO** Greeley, "Front Range" 986  
99.1 **KUAD** **CO** Windsor, remote in Loveland 986  
100.7 **KGWY** **WY** Gillette, "NE WY's Y-100"  
91.5 **KRNE** **NE** Merriman, "...for NE Public R." 880  
93.3 **KVCL** **CO** Ft. Collins, legal ID w/K276BJ 1003  
97.5 unID "Q Country", prob. **KQSK**  
1900 95.1 **KSCY** **SD** Deadwood, legal ID 1021  
96.9 **KAML** **WY** Gillette, legal ID 1090  
97.5 **WWEZ** **TN** Trenton, ads 111  
1908 104.9 **WFNO** **MS** Iuka, ad 123  
1910 106.7 **WWZD** **MS** New Albany, ad 156  
1918 94.5 **WAPT** **AL** Birmingham, "I-95" 176  
1926 93.9 unID "Renegade R. Q94", rp  
1929 88.9 **WKNA** **MS** Senatobia, "WKNO Sts.", ID 82  
7/3 tr k  
1639 95.9 **WCSD** **TN** Livingston, "Sunny 95.9"  
1654 94.9 **WPCH** **GA** Atlanta "Peach 94-9", k  
94.9 **WKOR** **MS** Columbus, ID 193  
1706 98.3 **WINJ** **TN** Pulaski, calls 67

More Es, more tr and a great opening during the convention! July was probably my best FM DX month in the 2½ years I've been in TN.

Doug Allen, w2crrs, PO Box 5646, Woodland Park, CO 80866

Equip.: Onkyo T-4087 (IF modified)

6/17 Es

1949 **WMEZ** 94.1 FL Pensacola, ID  
1953 **WGXC** 104.1 AL Atmore, ads & wx  
1956 **WKSJ** 94.9 AL Mobile, k, "95-KSJ"  
2002 **WKUE** 88.9 ?? Elizabethtown, not in 13th ed. of FM Atlas.  
2020 **KRJV** 96.3 MO St. Louis, wx  
2025 **WRBT** 94.9 IL Mount Carmel, ID  
2030 **WFUJ** 93.7 OH Miamisburg, ID  
2031 **WBGJ** 91.7 IL Champaign, "new light", ID  
2035 **WFOK** 97.1 GA Gainesville, ads  
2040 **WRDN** 95.9 WI Durand, ID  
2042 **WCNL** 95.9 ?? not in Atlas, ID  
2050 **WTVL** 97.7 MS Tylertown, ID  
6/18 Es  
0845 **WMEZ** 94.1 FL Pensacola, ID  
0848 **WEGS** 91.7 FL Milton, "Swap Shop", local towns  
0852 **WZEW** 92.1 FL Fairhope, local ads  
0855 **WJDX** 96.3 MS Jackson, "Jackson's MIX-96"  
0857 **WBEN** 95.9 MS Taylorsville, B96 & ads  
0859 **WSCR** 90.9 FL Naples, ID, double hop  
0900 **WHIL** 91.3 AL Mobile, ID

7/5 tr

1050 97.1 **WFOK** **GA** Gainesville, "Fox 97 FM" 210  
1116 88.5 **WJIE** **KY** Okolona, calls 139  
7/18 gw  
1651 102.9 **KEZS** **MO** Cape Girardeau, "K-103", local ads, local WYCO off. 167  
7/25 Convention tropo (most between midnight and 10 am. All newly logged.  
89.9 **WEVL** **TN** Memphis 171  
91.5 **WUEV** **IN** Evansville, calls 127  
91.7 **WBGJ** **IL** Champaign 127  
92.5 **KWYN** **AR** Wynne 219  
93.9 **KOYN** **TX** Paris 495  
94.9 **KOLL** **AR** Maumelle 313  
100.5 **WYMG** **IL** Jacksonville, calls 285  
100.5 **WTFX** **KY** Louisville, "100.5 The Fox"  
102.7 **KCWS** **TX** Merkel 772  
103.1 **WGBJ** **KY** Henderson, (100kw **WKDF** 103.3 7 mi. away!) 117  
105.3 **KYNG** **TX** Dallas, "Young Country 605  
105.5 **KTEI** **AR** Piggott 176  
105.7 **KYKX** **TX** Longview, "Kicks 105" 500  
KSTV **TX** Stephenville, calls 684  
106.1 **KHKS** **TX** Denton 605  
106.5 **KOOI** **TX** Jacksonville, ad 541  
106.5 **KBVA** **AR** Bella Vista, ad, calls 410  
106.7 **KCYT** **TX** Granbury 670

6/18 Es

0906 **WLUN** 95.3 MS Lumberton, "all American country **WLUN**"  
0908 **WOTC** 97.9 MS Wiggins, "New country US 98", ads, new CL?  
0913 **WBKN** 92.1 MS Brookhaven, B-92, k  
0953 **KWRW** 97.7 TX Rusk, ads  
0959 **KVLU** 91.3 TX Beaumont, ID  
1000 **KLDN** 88.9 TX Lufkin, ID  
1940 **WGXC** 104.1 TX Beaumont  
1950 **WOUH** 103.1 FL DeFuniak, ads, "LITE 103", new CL?  
1952 **WOWW** 107.3 FL Pensacola, "WOW 107"  
2000 **KXRX** 96.5 WA Seattle, ID  
2000 **KWCL** 96.7 LA Oak Grove, ID  
6/22 tr  
0900 "KWBI" 88.1 CO?  
7/1 Es  
2111 **WXIZ** 100.9 OH Waverly, ads  
2120 **WNNV** 107.3 OH Cleveland, ID  
2121 **WHEM** 103.1 IN South Bend, ads, "the Harvest" station #1100  
2130 **WFUJ** 93.7 OH Miamisburg, wx  
2147 **WAZU** 102.9 OH Springfield, ID, r

cont...

## SOUTHERN FM DX

7/1 Es

2149 **WKDD** 96.5 OH Akron  
7/6 Es  
1812 **WRBA** 95.9 FL Springfield, ID  
1843 **WCHY** 94.1 GA Savannah, ID, "Y-94FM"  
1925 **WERH** 90.3 LA Baton Rouge, ID  
1935 **WVKA** 92.3 FL Orlando, talk show  
2003 **KULF** 94.1 TX Benham, ID  
2005 **KACC** 91.3 TX Alvin, ID  
2015 **KULM** 98.3 TX Columbus, Astros BB  
7/8 Es  
1030 **WLAR** 88.3 IN Fort Wayne, ID  
7/9 tr  
0703 **KEZG** 107.3 NE Lincoln, wx  
0752 **KBBN** 98.3 NE Broken Bow, ads  
0753 **KNLV** 103.9 NE Ord, ID  
0800 **KKOT** 93.5 NE Columbus, ID, NE #38

Allen, cont.

SEPTEMBER 1993

7/9 tr

0804 **KUCV** 90.9 NE Lincoln, promo  
0805 **KAWL** 104.9 NE York, "KAWL & KTMX"  
0807 **KKNE** 104.1 NE Crete, ads, in **KNAB** null  
NE #39, Mike Hawk called saying he was receiving Co Springs! Over the telephone we confirmed for each other several Omaha stations and **KDRO** 95.1  
0900 **KEZO** 92.3 NE Omaha, ID  
1200 "KTLF" 89.9 CO Canon City, xlator, CO #121  
7/11 tr  
0915 **KKOT** 93.5 NE Columbus, k, ID  
0917 **WOW** 94.1 NE Omaha, ID  
7/12 tr  
0530 **K214U** 90.7 KS Sharon Springs, "High Plains Public Radio"  
7/30 tr  
2215 **KRTZt** 98.7 CO Cortez, fading up occas.

Enjoyed visiting with every one in Nashville. It was a great conference, well organized and great tropo! Was out of state for two weeks in July, in northern New York and ten Nashville. From what I hear, I didn't miss Es or tropo while I was gone. With that damn low pressure east of here causing all the drain and flooding, tropo has been almost non-existent this summer, so far. The 500+ mile tropo to eastern NE have been the best, so far. Es has been about average overall with fewer high MUF openings than normal, but this is a very local phenomenon as areas only a few hundred miles away have had a half dozen or more 144 mhz openings through July. Hope everyone had a great summer.

Gus Mancuso, 5615 Inwood St, Cheverly, MD 20785 301 773-3072

6/18 Es

2034 **WMOZ** 90.7 LA New Orleans  
2036 **KJEF** 92.9 LA Jennings  
(Didn't check between 1900 when there was no skip, & 2030, so I probably missed something.)  
7/1 tr  
1830 **W????** 89.1 MD Hagerstown, from car in Forestville (other side of DC) simul w/WETA 90.9. Morning tropo weed this summer despite searing heat & humidity. Must need evaporation of rain to help out.

8/3 tr

0006 **WXPB** 88.5 PA PHILA, several locals off, so as not to interfere w/army elec. equip. looking for long lost WWI weapons that have been turning up during const. in west DC.  
0916 **WMSG** 92.9 PA Wilkes-Barre, o/fog!  
0930 **WVRL** 94.9 PA Harrisburg, no sign of **WJOI** or **WPVR**  
0935 **WRFY** 102.5 PA Reading  
0938 **WQXA** 105.7 PA York, tough null on **WQSR**  
0950 **WAFY** 103.1 MD Middleton, w/**WHVY** & **WCUL**  
1000 **WHFC** 91.1 MD Bel Air, all Phila & NJ strong.

Recent article in Washington Post says you live a couple years longer if your mother born at sunset low point, and vice versa. (5/24/93)  
**STATION NEWS:** **WKHI** 99.9 MD now k. **WLWV** 105.5 now o (early 60s & prior oldies.) Note: **WMMD** 104.7 occasionally simul w/k format am, IDs as "the Bear". Oldies heard, previously fought in Phil & Balt now squares off in DC **WXTR** 104.1 going head to head w/newcomer **WBIG** 100.3. Must also compete w/rimshooters **WMJS** 92.7, **WNAV** 1430 and **WINX** 1600.

Steven C. Wiseblood, 6393 N. Dakota, Apt. #2, Brownsville, TX 78521

Equip.: Denon TU-800, Radio Shack stacked 6-el yagi's at 22 feet.

7/14 tr

0356 **KDMX** 102.9 TX Dallas, Mix 102.9, ads 473  
0358 **KZEP** 104.5 TX San Antonio, The Zep, cl r  
0359 **KJNE** 102.5 TX Hillsboro, ID, k 423  
0402 **KMNQ** 102.1 TX Houston, 102 JAMS, s 297  
0403 **KONO** 101.1 TX Fredericksburg, o 314  
0406 **WRR** 101.1 TX Dallas, c 473  
0408 **KLUV** 98.7 TX Dallas, o, K-love  
0416 **KSCS** 96.3 TX Fort Worth, k  
0417 **KFGI** 94.7 TX Luling, Froggie 94, o 262  
0419 **KSRR** 92.9 TX San Antonio, 92-FM, SS, pop  
0420 **KCBI** 90.9 TX Dallas, contemp g 473  
0428 **RNNC** 107.7 TX Austin, K-NAC, prog. r 302  
2102 **KELI** 98.7 TX San Antonio, K-LITE, a/c  
7/15 tr  
0206 **XHNOE** 91.3 TA Nuevo Laredo, "Stereo 91"  
0216 **KZTQ** 106.1 TX Laredo, TQ-106, o 166  
0216 **KJBE** 92.7 TX Laredo, Tejano Z-93, SS mx  
0220 **XHNL0** 91.7 TA Nuevo Laredo, "Estereo Reuerdo", SS mx

7/15 tr

ads 438  
0644 **KSTV** 105.7 TX Stephenville, Country 105  
0647 **KELI** 98.7 TX San Angelo, K-LITE, a/c mx  
7/17 tr  
1730 **KKMY** 104.5 TX Beaumont, "The Classics you love"  
1735 **KTFPA** 92.5 TX Groves, contemp g 355  
1737 **KVLU** 91.3 TX Beaumont, lite g mx 356  
7/22 tr  
0734 **KLUV** 98.7 TX Dallas, K-LOVE, o, wx 473  
0745 **KDMX** 102.9 TX Dallas, Mix 102.9 a/c  
0752 **KYSX** 106.1 TX Denton, "KISS Copter Rush hour traffic" 473  
1840 **KIOC** 106.1 TX Orange, Power Hits K-106, r  
1859 **KMKS** 102.5 TX Bay City, "Bridging the gap between Houston and Corpus, a/c mx 233  
1901 **KILT** 100.3 TX Houston, d, ID 297  
1905 **KHYS** 98.5 TX Port Arthur, lite soul 353  
1910 **KLDE** 94.5 TX Houston, o, ID 297  
1916 **KVLU** 91.3 TX Beaumont, c, NPR promo 356

cont....

## SOUTHERN FM DX

Wiseblood, cont.

SEPTEMBER 1993

7/22 tr

1917 KPVU 91.3 TX Prairie View,lt. s 302  
 1919 K216BX 91.1 TX Lake Jackson, //89.3  
 KSBJ Houston, contemp. g 250  
 1925 KBXX 97.9 TX Houston, soul-rap 297  
 1928 KRITX 104.9 TX Halveston, r-a/c mx 287  
 1944 KXTV 107.9 TX Beaumont, "Houston's  
 Favorite Tejano" 356  
 1954 KLUB 106.9 TX Bloomington, "CLUB 106.9",  
 tejano mx 194  
 2002 KRRE 104.1 TX Houston, alt. r, o/KBFM  
 2322 KYKR 95.1 TX Port Arthur, K-95, k 353  
 2324 KCSC 96.3 TX Fort Worth, k 473

2329 KLUV 98.7 TX Dallas, "All oldies  
 K-LOVE" 473  
 2330 KLID 98.9 TX Austin, "Z-ROCK, //  
 106.9 Houston 473  
 2331 KUEZ 99.1 TX Lufkin, o 411  
 2346 KJZS 106.9 TX Conroe-Houston, Z-Rock,  
 //106.9

7/23 tr

0605 KDMX 102.9 TX Dallas, Mix 102.9, a/c  
 0606 KWHI 106.1 TX Brenham, K-TEX 106, k,ads  
 0737 KBUS 101.9 TX Paris, K-BUS, ads 549  
 0748 KOOI 106.5 TX Jacksonville, ads, EZ mx  
 0751 KYXS 105.7 TX Dallas, KISS Traffic, wx  
 0753 KYFX 105.7 TX Longview, k, ads, wx 486  
 0755 KJCS 103.3 TX Nacogdoches, k  
 1858 KIOCTX Orange, Power Hits K-106, r 366  
 1930 KYYS 104.7 TX Bryan, Mix 104.7, a/c 336  
 1940 KEYI 103.5 TX San Marcos, KEY 103, a/c  
 "The Hits of the 80s and the Best of the 90s"

7/24 tr

0455 KLSA 90.7 LA Alexandria, s mx oldies  
 //88.9 483  
 0457 KLDN 88.9 TX Lufkin, Red River Radio,  
 //90.7 411  
 0505 KCBI 90.9 TX Dallas, g a/c mx 473  
 0506 KNCT 91.3 TX Killeen, c 362  
 0510 KKBQ 92.9 TX Pasadena, 93-Q Country 297  
 0512 KSCS 96.3 TX Fort Worth, k 473  
 0513 KLLI 95.9 TX Hooks, Thunder 95.9 558  
 0521 KOOI 106.5 TX Jacksonville, EZ mx 440  
 0527 KWRW 97.7 TX Rusk, The New CD 97.7 432  
 0530 KUEZ 99.3 TX Lufkin, o, ads 411  
 0531 WJMI 99.7 MS Jackson, s, ads 624  
 0540 KTOY 104.7 AR Texarkana, "104.7 FM  
 playing the hits", IDs 561  
 0544 KYKS 105.1 TX Lufkin, ads, k 411  
 0545 KYKX 105.7 TX Longview, k 486  
 0550 KJCS 103.3 TX Nacogdoches, k 430  
 0552 KTFBQ 107.7 TX Nacogdoches, a/c 430  
 0635 KZPS 92.5 TX Dallas 473  
 0729 KYXS 106.1 TX Denton-Dallas, KISS-FM, r  
 7/24 tr cont. from a condo overlooking the  
 gulf at South Padre Island beach.

2007 KAJN 102.9 LA Crowley, "Louisiana's  
 Gospel Station" 473  
 2014 KMJQ 102.1 TX Houston, "102 JAMS", s  
 2019 KRMV 104.5 TX Orange, o, 366  
 2020 KIOC 106.1 TX Beaumont, Power Hits 106  
 7/25 tr

0700 KITT 93.7 LA Shreveport, Sunday  
 morning gospel mx 509  
 0712 WYCT 94.1 LA Kentwood, "Young Country",  
 ads, wx 549  
 0718 KOLL 94.9 AR Maumelle, Goodtime Oldies  
 0719 KQID 93.1 LA Alexander, 93-QID, r-a/c  
 1026 KPTS 94.7 MO Springfield, ID, "McDonalds  
 Country Countdown", ads 821

7/25 tr

4032 KRHT 98.7 MO Springfield, The Heart, a/c  
 1041 KXUS 97.3 MO Springfield, "US-97, The  
 Home of Ozarks rock & roll"  
 1046 KYKR 92.5 TX Texarkana, Kicker 102.5, k  
 1048 KIES 99.7 TX unID, "FM-100", promo for  
 "Wheel of Hope"  
 1050 KOLL 94.9 AR Maumelle, "Cool-95", o 684  
 1100 KKB1 106.1 OK Broken Bow, "Best Country  
 106", ID 586  
 1101 KBSY 107.3 OK Poteau, ads, "Sunny 107.3"  
 1423 KAJN 102.9 LA Crowley, 432  
 1444 KROP 105.1 LA Abbeville 432  
 1456 WJMI 99.7 MS Jackson, s 624  
 1457 WJDX 96.3 MS Jackson, MIX 96.3  
 1523 KTDY 99.9 LA Lafayette, ID, a/c 624  
 1532 KBEL 107.7 LA Lafayette  
 1602 WCKW 92.3 LA New Orleans, class r 531  
 1606 KAYD 97.5 TX Beaumont, k 356  
 1918 KHLA 99.5 LA Lake Charles, LA-99, o 397  
 1923 WIGE 100.7 LA Baton Rouge, r, The Tiger  
 1925 KTOQ 100.9 LA Sulphur, wx, ads 391  
 2242 KAPB 98.7 LA Alexandria 783  
 2258 KLLI 95.9 TX Hooks, Thunder 95.9 558  
 2311 K259--99.7 TX Sugarland, rep. of KSBJ  
 2320 KYKS 105.1 TX Lufkin, KICKS 105, k 411  
 2328 KLSX 107.3 TX Tyler, "W. TX New Mix  
 107.3", 465

7/26 tr

0258 KLDN 88.9 TX Lufkin, Red River Radio  
 0300 KCBI 90.9 TX Dallas, Sunshine Radio  
 0313 KWRW 97.7 TX Rusk, "CD 97.7", o 432  
 0321 KMKL 97.3 LA Kaplan, k, ID 426  
 0326 KOOV 103.1 TX Coparas Cove, k, ID 362  
 2212 XHTP 90.9 TX Tampico, "R. Tamualipas,  
 //92.3, 255  
 2221 XHPH 93.5 TA Tampico, "La Aguasteca"  
 ranchera-cumbia mx, ment of 30 kw/24 hrs  
 2249 XH-- 103.1 TA Tampico, "Estereo  
 Recuerdo", TC musica romantica, musica pop

7/27 tr

0535 XHKN 99.3 TA Nuivo Laredo, cumbia  
 ranchera mx 166  
 0542 KZTQ 106.1 TX Laredo, o 166  
 0552 KEAN 105.1 TX Abilene, wx, k 472  
 7/28 tr

2017 KWCB 89.7 TX Floresville, tefano-  
 cumbia mx, ID, wx  
 8/1 Es  
 2120-2140 unIDs 907 Jap. mx, 91.1 prmon for  
 bible school in Tampa, 90.9 EZ, 90.5 g  
 2129 unID 89.9 Spanish Caribbean style mx  
 2139 WQZY 95.9 GA Dublin, "The CD Hour", k  
 8/3 tr

0453 KPEZ 102.3 TX Austin, Z102 302  
 0453 KJNE 102.5 TX Hillsboro, ads, wx, k, ID  
 0459 KDMX 102.9 TX Dallas, MIX 102.9, a/c  
 0500 KPLE 104.3 TX Temple, k 359  
 0502 KYSL 106.1 TX Denton, r 506  
 0508 KNNC 107.7 TX Austin, The Knack, r 302  
 0513 KHHT 93.3 TX Killeen, "Texas Hot  
 Country", k 362  
 0517 KNLE 88.1 TX Round Rock, promo 362  
 0711 KELI 98.7 TX San Angelo, "98.7 K-LITE"  
 8/4 tr 302

0608 KNCC 107.7 TX Austin, K-NACK, alt. r  
 0609 KOOI 106.5 TX Jacksonville, EZ Mor 440  
 0619 KYDS 105.7 TX Longview, k 486  
 0621 KISX 107.3 TX Whitehouse-Tyler, r-a/c  
 0622 KYOT 106.7 TX Granbury, j  
 0623 KPTX 106.1 TX Brenham, K-TEX 106, k, wx  
 Steve's massive report to be cont. next month.

## NORTHERN FM-DX

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

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

SEPTEMBER 1993 DEADLINE: The 5th LOG CUTOFF: 2 months from postmark

There were quite a few days with FM skip in July. However, no real "monster" openings occurred; many openings, although strong, were spotty and short lived. Most of the activity was the first week of July, especially the 3rd and 6th. Near the end of July and the start of August there has been some sign of skip picking up again, though it may be too little too late. Not much tropo to report at all, although there was a major tropo opening during the Nashville convention. Perhaps there will be reports in Southern FM of this opening. Let's hear from you this month!  
 SAUL CHERNOS - 57 BERKELEY STREET - TORONTO, ONTARIO M5A 2W6 (416) 364-0725

JULY 1993 DX

1 Es (Toronto-Mississauga suburb)

1249 WKPX 88.5 FL Sunrise  
 1250 WMMZ 93.7 FL Ocala  
 1257 WJYO 91.5 FL Ft. Myers, Joy FM 91.5  
 1300 WMFE 90.7 FL Orlando, c  
 1304 WKRY 93.5 FL Key West, Key 93  
 1347 WQIK 99.1 FL Jacksonville, your hot  
 country hit-kicker FM 99 WQIK  
 1350 WXXB 103.7 FL Cape Coral  
 1400 WAPE 95.1 FL Jacksonville, calls  
 1402 WLPT 88.3 GA Jesup  
 1402 WTLG 88.3 FL Starke  
 1412 WMNF 88.5 FL Tampa, latin and jazz  
 1419 WNEB 94.3 FL Lake City, B-94

3 Es (Bumt River)

1603 WMPN 91.3 MS Jackson  
 1615 WRKF 89.3 LA Baton Rouge  
 1619 KXKC 99.1 LA New Iberia,  
 Hot Country 99.1  
 1640 WTYX 94.7 MS Jackson, Oldies 94.7  
 1647 KSMB 94.5 LA Lafayette  
 1724 WYMX 99.1 MS Greenwood  
 1727 KDEA 93.7 LA New Iberia, ex 99.1  
 1835 KJIW 94.5 AR Helena, k  
 1837 KIPR 92.3 AR Pine Bluff, Power  
 1843 KAMS 95.1 AR Mammoth Springs  
 K-Country-95

1850 KCLR 94.5 MO Poplar Bluff  
 1851 KTCS 99.9 AR Fort Smith  
 1851 WHKX 99.9 FL Lafayette, Kix 99.9, k  
 1853 KQUS 97.5 AR Hot Springs  
 1855 WBGW 98.9 FL Tallahassee, calls  
 1859 WKNB 94.5 FL Port St. Joe, B-94.5  
 1904 KBBQ 100.7 AR Fort Smith, ex 100.9  
 1906 KITS 94.7 MO Springfield, Ozark's  
 Country Weekend  
 1922 WMPR 90.1 MS Jackson

3 Tr (BR)

1814 WQLN 91.3 PA Erie, see comments  
 6 Es (Toronto-east side of city)  
 1220 KUAD 99.1 CQ Windsor, Colorado's  
 country favourites K-99

6 Tr (Toronto-east city limits)

1253 WERA 99.3 PA Franklin, Mix 99.3 FM  
 1259 WAXF 95.9 PA Sharpville  
 10 Tr (Toronto-Scarborough bluffs)

2318 WDNV 93.9 NY Dansville, Yankees BB  
 11 Tr (Scarborough Bluffs)  
 0839 WZXX 99.7 NY Palmyra, g  
 0908 WBEE 92.5 NY Rochester, with CISS on  
 the air! See comments

12 Es (Toronto-Markham, Richmond Hill)

2030 to 2050 spotty Es: 90.7 j, 90.7, 88.7 c, 99.1  
 k, 99.3 k, 93.3 k, spotty weak, maybe on 100.3  
 17 Tr (Toronto-downtown)  
 1050 CIEK 106.3 ON Toronto, Molson Indy  
 22 Tr (Toronto-3 Buffalo's off)  
 0212 WBZZ 93.7 PA Pittsburgh, B94, dance  
 0235 WFRG 96.1 NY Rome, 96 Frog, k  
 0252 CIXK 106.5 ON Owen Sound, m  
 23 Tr (Same circumstances as the 22nd)

0103 WVKK 106.7 PA Beaver Falls  
 0109 WLTF 106.5 OH Cleveland  
 0110 WBZZ 93.7 PA Pittsburgh, B94, dance  
 23 Tr (BR)  
 2030 CBCO 91.5 ON Orillia, back on.  
 2030 CB\*\* 94.3 ON Huntsville, new to air  
 see comments on these

24 Es (BR)

1221 KJZY 99.1 TX Denton  
 1223 KCIT 97.7 AR Yellville  
 1225 KPLX 99.5 TX Fort Worth, K-Plex  
 1230 KDHX 88.1 MO St. Louis  
 1237 KMAG 99.1 AR Fort Smith, k  
 1240 KCKI 99.5 OK Henryetta, Kick 99  
 24 Tr (BR)  
 2331 WFMK 99.1 MI E. Lansing, Lite Rock 99  
 2347 WMXD 92.3 MI Detroit, Mix 92.3  
 2353 WCEN 94.5 MI Mt. Pleasant, k  
 2357 WNWV 107.3 OH Elyria  
 25 Tr (BR)

0011 WBCT 93.7 MI Grand Rapids, B93  
 0032 WVKK 92.5 OH Toledo, r and dance  
 music, see notes  
 0253 WBZZ 93.7 PA Pittsburgh, r, B94  
 0316 WUGN 99.7 MI Midland, g  
 0327 WHBC 94.1 OH Canton, HBC-FM  
 0405 WGRY 101.1 MI Rosconning, k

SAUL'S COMMENTS ARE ON  
 ..THE NEXT PAGE..

SAUL CHERNOS' comments (DX on previous page)

I had Spanish program // 91.3 on 91.5 and 91.7. Greg says it was WQLN splashing over or something (yep, they have been putting out signals on those freqs. and 91.1 and 90.9 as well, since at least May. They fooled me that day too!-gc). Had it/them on car radio during an Es lull. Do they count as separate stations? (I don't know what club rules are for something like that?-gc). July 11 atop Scarborough Bluffs in east Toronto, WBEE Rochester in so strong that it over-rode local CISS on 92.5 in one area. 99.7 Palmyra NY also held its own despite CKFM 99.9. Speaking of CISS, July 25, had dance music on 92.5 and "Kiss 92.5" slogan. Toronto's new country FM, CISS, has same slogan. Turned out to be Toledo! July 17 weekend, a station broadcast the Molson Indy car races. In previous years it has been CIEG on 91.9. This year 106.3 and so weak some local DXers didn't get it. July 23, CBC relay on 91.5 & 94.3 // 105.9. 105.9 and 107.5 to be replaced by 91.5 this September, with commercial AMers going to FM. Will report full details next month. 94.3 is a new relay in Huntsville. Both seemed to sign on late in the day, so I suspect still prepping. 91.5 tested a few years ago but signal was poor and the switch wasn't made. This time it seems stronger, I logged it in Toronto. Sounds like Nashville was a Texan blast; sounds like the event was well put together and wish I could have gone. On with the fall trop!  
73's Saul

BILL NIENAJADLY (KF2OK) - PO BOX 2999 - CLIFTON, NEW JERSEY 07015

Equipment: Fisher FM 889 tuner, 2 110 khz filters, 6 element antenna

JUNE 1993 DX

12 Es (finally!)

- 1223 WCTQ 92.1 FL Venice, Es pest yearly!
- 1225 {WIKX} 92.9 FL Punta Gorda, ex WQLM
- 1238 WYUU 92.5 FL Safety Harbor, burnouts
- 1246 WMTX 95.7 FL Clearwater, Mix 96 yawn
- 1253 WXCX 95.3 FL Homosassa (hmmm, something new for a change!)
- 1300 WMFQ 92.9 FL Ocala, Q-Lite
- 1313 WRKX 96.1 FL Bonita Springs, 96 K Rock
- 1321 WDDQ 92.1 GA Adel, "Truckstop, exit 10, Adel" all adds
- 1331 WRLX 92.1 FL W.Palm Beach, Relax 92.1
- 1337 WEOW 92.5 FL Key West, Wow 92.5 and Future hits Program
- 1350 WZEW 92.1 AL Fairhope, 92 Zoo, zzzzzz
- 1405 WLUN 95.3 MS Lumberton, legal ID
- 1409 WDJC 93.7 AL Birmingham
- 1420 WJMI 99.7 MS Jackson
- 1433 WPCF 100.1 FL Panama City Bch, local
- 1436 WOOF 99.7 AL Dothan, Woof, snore, yawn!
- 1500 KCMA 92.1 OK Broken Arrow
- 1523 XKLS 99.7 OK Alva

14 Tr (very strong)

- 2302 WEHN 96.7 NY E.Hampton, full scale
- 2304 WBLQ 99.3 RI Block Islands, full scale
- 2314 WCTK 98.1 MA N.Bedford, full scale
- 2315 WJFD 97.3 MA N.Bedford, Portuguese
- 2315 WXTK 94.9 MA W.Yarmouth, full scale!
- 2320 many New England and Long Island full scale
- 22 Es
- 1737 WTUG 92.9 AL Tuscaloosa
- 1743 WRQO 102.1 MS Monticello, Q102, MS wx
- 1755 WTYJ 97.7 MS Fayette, WTYJ/WMIS nx
- 1759 WJMI 99.7 MS Jackson
- 1808 WBKN 92.1 MS Brookhaven

- 1832 KZOC 92.9 KS Osage City
- 1846 KTGL 92.9 NE Beatrice
- 1852 KEFM 96.1 NE Omaha, (zzzz, yawn snore), hi-Mike?
- 1914 KMOE 92.1 MO Butler, ments of St.Louis Cardinals ball game later on
- 1930 KICT 95.1 KS Wichita
- 24 Es
- 1400 MUF to FM 94.5, 1430 approx, no IDs
- 1732 WBKN 92.1 MS Brookhaven
- 1742 WDLJ 96.9 MS Indianola
- 1900 WJMG 92.1 MS Hattiesburg
- 1906 WBLX 92.9 AL Mobile
- 1907 WVFJ 93.3 GA Manchester, Christian mx
- 1910 WXUS 100.5 AL Fort Rucker, US100, k
- 1913 WKCN 99.3 GA Lumpkin, Kissing Country
- 1915 WXDJ 95.7 FL Homestead, se habla Español
- 1920 WRJM 93.7 GA Geneva
- 1922 WLUN 95.3 MS Lumberton, 3rd time heard this season
- 2015 WLRQ 99.3 FL Cocoa, Brevard County lame music, yawn zzzzzz

JULY 1993 DX

3 Es

- 1750 WJXR 92.1 FL Maccleny, home shopping
- 1755 WDDQ 92.1 GA Adel, exit 10 Adel
- 1830 KZOC 92.9 KS Osage City
- 1840 KYEZ 93.7 KS Salina
- 1847 KJNA 99.3 LA Jena
- 1850 KRVV 100.1 LA Bastrop, bumout city!



P.O. BOX 5398, GAINESVILLE, FL 32602

BILL NIENAJADLY's report continues...

JULY 1993 DX

- 5 Es
- 1821 WQUE 93.3 LA New Orleans
- 1822 WZEW 92.1 AL Fairhope
- 6 Es
- 1848 KSD 93.7 MO St.Louis
- 2030 strong trop to the east
- 12 Es
- 1842 KYKX 105.7 TX Longview, (song-case of beer fell off my pickup truck now I'm cryin + drinkin) hi hi
- 1848 KSYN 92.5 MO Joplin, ment nearby areas
- 1850 KFXX 92.1 OK Marlow, local mentions
- 24 Es
- 1205 KRLL 92.1 IA Knoxville, or Nocksvill?
- 1210 KTGL 92.9 NE Beatrice, Eagle
- 1213 KLOA 93.3 IA Des Moines, oldies, talking about Des Moines water works
- 1223 KRNA 94.1 IA Iowa City/Cedar Rapids all Iowa Fair Durham Downs, local ments

WORTH REPEATING

Extracted from an editorial in the Sun Times, Owen Sound. Radio Fugue FM in Compiegne, France, plans this summer to broadcast a special sound wave for mosquitoes. The station intends to broadcast an ultrasound inaudible to humans at the frequency emitted by male mosquitoes, to keep the females away. The signal will create "a bubble with a radius of four metres around the radio free of biting mosquitoes." Fugue claims.

The prospect seems attractive. Perhaps we should be soaking the newsprint in citronella.

40 Saul Chernos

TORONTO STAR

Much E-skip, but much of it was short lived with many of the openings a half hour or less to minutes at best. I did note MUF to 107.9 twice but none of it lasted long enough to ID it. After a horrible spring, I'm glad it came back. No blockbuster trop though. A few Boston, Providence, New Bedford stuff, but no deep North Carolina stuff. July 30th 1993 I passed my Extra Class Ham Radio License with a long time dream realized (Congratulations Bill!-gc). What next? Maybe a First Class radio telephone or a commercial licence someday where I could work on commercial radio and TV transmitters, hmmm. Well anyway, goodxing!  
Bill KF2OK/AE

RICHARD CONTONE - 162-07 87th STREET - JAMAICA, NEW YORK 11414

MAY 1993 DX

31 Tr

- 1442 WDRE 92.7 NY Garden City, \$-stereo 13



JULY 1993 DX

13 Tr

- 1700 WHTG 106.3 NJ Eatonton, not much 25
- 23 Tr
- 2125 WJLK 94.3 NJ Asbury Park, this station IDs with WQNJ 98.5 Ocean Acres, NJ. I wrote a reception report but still in mail 29

WDRE IDs with a WI-- in Philadelphia. A contemporary hard-rock station station (L dislike it, but want the one in Philly. Possibly with WIOQ 102.1 but FM Atlas says "slow rock". (It is WIBF 103.9 Jenkintown/Philly that they are parallel to: WIOQ is "Q102" and dance music. On July 6 I received a WEHM which advertises as "East-end radio". I found that it originated from Eastern Long Island, NY, which I call Suffolk County. From me to Suffolk Co. border is 35 miles by car, but it was interesting that it came over WKHL Stamford, CT on 96.7. I always get WKHL "Cool FM" because of its power, so this WEHM was rare. No list in the FM Atlas on 96.7, I guess coming from the Hamptons (yep, E.Hampton, it is a new station-gc). Looking for it under WKHL. Another: A WJUX-FM 103.1. I think that it is coming from a transmitter in Wayne, NJ using a transmitter that once was on the educational band on 88.7 Mhz. FM Atlas lists as WPSC. Call themselves "Jukebox Radio". Get them under WBZO 103.1 Bay Shore. They serve Hackensack, NJ, which is 20 miles from me. Note: I just equipped myself with a bandstop filter for VHF-HI TV attenuation for FM reception. I built it from a filter design using LC traps. Club for 7-23 log, I switched to MW longwire antenna from all band TV used dual amplifier - perfect!  
73, Richard Contone

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 36 feet AGL on crankup tower, (826 feet ASL). Alliance HD-73 rotor and RG-11 coax.  
New loggings are underlined. New call (K K K K). New propagation mode W W W W.

JULY 1993 DX

1334 WKGR 98.7 FL Fort Pierce, "The Gator 98.7", rs 1099  
1340 WRRQ 104.7 FL Tampa, "The Q-105", ks 1061  
1350 WJLF 91.7 FL Gainesville, call+ "Love 91", gs 944

JULY 1993 DX

1200 KCLV 99.1 NM Clovis, call, ks 1448  
1218 KCSU 90.5 CO Fort Collins, call, rps 1374  
1300 KQCE 93.3 CO Lamar, call+ "KC-93", ks 1304



Wow!! after looking at Greg Coniglios report and others in the August VUD; I did miss some good DX in June. What I didn't miss was one of the best and biggest WTFDA conventions in years. Hosts Doug Smith and Tom Bryant must have spent every waking hour for months planning it. Everything ran smoothly; the hotel staff were warned about DXers and what they might see coming thru their lobby (antennas & electronics gear). I thought the hotel staff would think we were CIA setting up a surveillance of Nashville and the surrounding area or a sting operation. DX from the hotels 9th (top) floor was better than I imagined. The FM band was loaded with stations and not all local. Loggings of 300+ miles were common; and the view from downtown was spectacular. Glad I didn't miss this convention. Thanks Tom, Doug you both did a great job and thank to all Nashville area broadcast stations, Opryland USA & businesses for your contributions to the 1993 WTFDA Nashville Convention goodie bag. Tom, Doug; how about 1994; see you both in Nashville again?? Ha! Dave

DAVE NIEMAN - HO STA GEH - ROAD-ROCK CITY, NEW YORK

Equipment: Carver TX-11 tuner IF filter modified. Antennacraft FM-10, at 25 feet AGL (2415 feet ASL). Winegard FT-7000 variable FM trap for 95.7MHz, RG-6 coax and Radio Shack rotor.  
New loggings are underlined. New call (K K K K). New propagation mode W W W W.

JULY 1993 DX

1523 WMCU 89.7 FL Miami, call, s 1144  
1529 KQID 93.1 LA Alexandria, "93-QID", rs 1042  
1544 WPOW 96.5 FL Miami, "power-96", rs 1147  
1600 KTRU 91.7 TX Houston, ID, js 1268  
1600 KPET 90.1 TX Houston, ID, IS SS 1263  
1606 KRIS 92.1 TX Seabrook, "Houston's fine arts station", cs 1259  
1613 KLOL 101.1 TX Houston, "Houston's #1", call, rps 1279  
1656 KERA 90.1 TX Dallas-Ft. Worth & Denton, ID, cs 1202  
1755 WXKB 103.7 FL Cape Coral, "B-103", rs 1067  
1857 WKCC 90.7 FL Panama City, call, cs 912  
1906 KJJC 88.5 MO Kansas City, call, gs 863  
4 tropo  
0835 W214AA 90.7 NY Corning, "WSKG" 89.3, cs 71  
5 tropo  
0720 WRTI 90.1 PA Philadelphia, "Jazz-90", js 217  
0729 WBBG 93.3 OH Youngstown, call, os 217  
0731 WQZS 93.3 PA Jamestown, NY 130  
0731 WQZS 93.3 PA Meyersdale, The all new "QZ-93", rps, over WWSE Jamestown, NY 157  
0741 WELK 94.7 WY Elkins, lcl wx + "K-95-FM", rms 225  
0804 WPRR 100.1 PA Altoona, call, rs 105  
0814 WYSN 101.7 PA Central City, "Sunny 101.7", mS 133  
0843 WALY 103.9 PA Bellwood, "Wally-104", os 100  
0935 WGTY 107.7 PA Gettysburg, "Country-108" GTY, ks, over WNUC Wethersfield, NY 169  
1037 WCBS 101.1 NY New York, New Yorks oldies station "CBS-FM", os 248  
17 tropo  
0312 WXLK 92.3 VA Roanoke, "K-92", rs 344  
0847 WJPA 95.3 PA Washington, call, os 156  
26 tropo & scatter  
1343 CBCO 94.3 ON Orillia, tMono CBC radio //105.9 Orillia 185

JULY 26 tropo & scatter continued

1416 WCIZ 97.5 NY Watertown, "CIZ-FM", rs 188  
1539 WSKQ 97.9 NY New York, SS, LS 248  
1658 WDAC 94.5 PA Lancaster, call, gs 187  
1838 WHUR 96.3 DC Washington, call, s phone in talk show 224  
July 29th, I replaced Antennacraft FM 10 with Channel Master model 4408 "Stereo Probe 9".  
29 tropo & scatter  
1827 WPST 97.5 NJ Trenton, call, rs 228  
WKYN St. Marys PA off temporarily  
30 tropo & skip  
1400 W201?? 88.7 NY Dansville, ID WMHR 102.9, gs, 55  
1536 WQHI 97.1 NY New York, "Hot-97", ss New Yorks hottest music 248  
1918 WUSA 100.7 FL Tampa, Tampa Bays "W-101", rs 994  
1923 WAYJ 88.7 FL Fort Myers, "way-FM", gs 1100  
1935 WMNF 88.5 FL Tampa, call, os 1003  
1945 WYFF 88.9 FL Tarpon Springs, call, gs 968  
31 tropo & scatter  
WNUC 107.7 Wethersfield NY off this morning for a couple hours.  
0741 WHSB 107.7 MI Alpena, "107.7 HSB", rs 337  
0748 WFSP 107.7 WY Kingwood, "sunny 107.7", call, rs 253  
0751 WQNA 107.7 NY Albany, "country 107.7" + call, ks 232  
0815 WBZW 107.7 OH Loudonville, call+ "oldies 107", os 212  
0836 WRKR 107.7 MI Portage, call, rps 352  
0916 107.7 ?? "thunder 107.7", rks ???

AUGUST 1993 DX

1 tropo & scatter  
0414 WERQ 92.3 MD Baltimore, "92-Q", lcl wx call, ss, WRRN Warren PA off for the night, 208  
0932 WSNW 92.1 PA Lock Haven, "sunny 92" area ads, rms 78



Took down the FM-10 and put up a Probe 9 at the same height. I didn't take too much time to play around with it but I did notice more gain, better nulls and a much better front-to-back ratio. Dave

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

Equipment: JVC JRS201 receiver (IF mod with 3 110 khz filters), Magnum Dynalab Sleuth 205 amp, Probe 9 fed with RG6 at 50' AGL. Crown rotor, distances are in kilometres.

JULY 1993 DX

5 Tr  
2200 WMHI 94.7 NY Cape Vincent, g, legal 337  
2228 CKKL 93.9 ON Ottawa, r, Cool FM, Fewer commercials and less talk, the new Cool FM 447

6 Es

1700 CBKF 97.7 SK Regina, tm, CBC ID heard in French, 5th PROVINCE heard 2025  
1721 WTBX 93.9 MN Hibbing, r, calls, y/l 1099  
1724 KXLP 93.1 MN New Ulm, r, local ads 1147  
1726 KKWQ 92.5 MN Warroad, k, KQ92 "Gibson Miller Band, Texas Tattoo on KQ92" 1327

7 TrS, Tr

1208 CJRO 92.7 ON Sudbury, Q92 weather 380  
1341 WDSY 107.9 PA Pittsburgh, ks, "today's hot new country here's Pam Tillis on Y108" 299  
1413 WENZ 107.9 OH Cleveland, "Helping to preserve our environment 107.9 The End" 213  
Energy 108 running at low energy, thanks for tip Greg

July 21 TrS (3 Buffalo stations off the air)

0012 WKKW 106.5 WV Clarksburg, calls sung out and Clarksburg heard, k 426  
0049 WHLM 106.5 PA Bloomsburg, New Mix 106.5 and calls also heard 394  
0123 WSTO 96.1 KY Owensboro, r, 96STO "today's best music", Mike Desmond DJ 829  
0246 WFCJ 93.7 OH Miamisburg, gospel music and calls heard 511  
0228 WRVC 93.7 KY Ashland, Oldies 93 "The 100, 000 watt voice of good times rock and roll, the new Oldies 93 RVC", Wild Thing by the Troggs



Thanks Greg for tips on Low Energy 108 and your 3 locals off info. Netted 7 new ones thanks to you. Especially pleased with WSTO at 829 km in Full Stereo! Sitting here writing this, enjoying the midnight skyline of Nashville with Doug Smith working the 2m ham band and Mike Hawk working the FM. It's Sunday night and the 93 convention is winding down quickly. This report concludes my 4th convention and I feel quite strongly that Doug Smith and Tom Bryant deserve several kudo's for what I consider the new high standard that all future conventions will be compared to. Every detail was looked after so well by Tom and Doug and they even used their southern hospitality to open up the band for the BEST TROPO of the season! Thanks guys for the dance at "Tropo City USA" 73 dB

GUS MANCUSO - 5615 INWOOD STREET - HYATTS, MARYLAND 20785

From Atlantic City, NJ, S.W. side of Caesar's Palace

MAY 1993 DX

13 Tr  
1930 WQNJ 98.5 NJ Ocean Acres, simulcasts with WJLK 94.3 Asbury Park  
2050 WJNN 106.7 NJ Cape May, news  
14 Tr  
0655 WSHU 91.1 CT Fairfield  
0715 WLIE 101.9 MD Baltimore



STATION NEWS: WBNJ 105.5 Cape May Courthouse, NJ is now country, WEGX 106.1 in Philadelphia is now WJZZ, and jazz. Still not on are: 105.7 and 107.3 in south NJ. Have picked up 56, 16, and 4 new stations the last 3 summer trips respectively. Time to try Foxwoods casino in Connecticut! Note: moved to the usually more lucrative N.E. side of building for the second nite, but did not get any new loggings!

REPORT TO THE V.U.D. TODAY!!

JEFF FALCONER - P.O. BOX 63 - CLINTON, ONTARIO NOM 1LO

Equipment: Magnum Dynalab FT-101A, Probe 9 at 27' with rotor, RG-11 feed, Magnum Dynalab 205 preamp.

MARCH 1993 DX

3 Trs  
1741 WVSH 91.9 IN Huntington, rp\$, ID 277

7 MS  
0103 KVIL 103.7 TX Dallas, "KVIL: home of the best"

APRIL 1993 DX

9 Trs  
0027 (WORD) 101.5 PA Pittsburgh, g\$, ID, ex: WPIT 234  
0034 (CKGE) 94.9 ON Oshawa, r\$, ex: CKQT 135

14 Trs  
2041 WKSB 102.7 PA Williamsport, ads\$ 284  
2100 WKBJ 94.3 PA St. Mary's, o\$, and ID, easier now that WEOZ is off the air 213

17 Trs  
1843 (WYGY) 96.5 OH Hamilton, k\$, Y96, ex: WZRZ 327  
1848 (WMMX) 107.7 OH Dayton, rm\$, Mix 107-7 302

18 Trs  
1627 CJMJ 100.3 ON Ottawa, r\$, Magic 100 313

MAY 1993 DX  
16 Trs  
1402 WECJ 91.5 IN Richmond, ID, rx\$ 314

JUNE 1993 DX  
12 Es  
1150 WJXR 92.1 FL Maccleny, k\$ 921  
1153 WLJS 91.9 AL Jacksonville, r\$? "Hot Rockin' 92-4" 715

1201 WUWF 88.1 FL Pensacola, c\$, ID 964  
1206 WBHY 88.5 AL Mobile, g\$ 963  
1207 WFIT 89.5 FL Melbourne, ID\$ 1074  
1209 WVLC 92.9 KY Lexington, k\$, K93, (Trs) 415  
1213 WJDB 95.3 AL Thomasville for Alabama Power 893

1251 (WJYO) 91.5 FL Ft. Myers, g\$, Joy FM, previously heard as WSRX 1186

1300 WLRN 91.3 FL Miami, ID\$ 1236  
1302 WMCU 89.7 FL Miami, ID, wx\$ 1236  
1334 WRMB 89.3 FL Boynton Beach, address\$ 1183  
1514 KTUX 98.9 TX Carthage, r\$, Tux 99 1056  
1520 KAGG 96.1 TX College Station, ads\$ 1214  
1521 KYKZ 96.1 LA Lake Charles, k\$, Kicks 96  
1524 KWKH 94.5 LA Shreveport, k\$, Radio Ranch 1016  
1525 KITT 93.7 LA Shreveport, ID\$ 1016  
1526 KSSN 95.7 AR Little Rock, k\$, Kissin 96 840  
1527 KEGL 97.1 TX Ft. Worth, r\$, The Eagle 1140  
1532 KMOO 96.7 TX Mineola, k\$ 1071  
2055 KSCS 96.3 TX Ft. Worth, k\$ 1140

15 Es  
1800 KUNC 91.5 CO Greeley, ID\$ 1210

16 Es  
2047 WMMK 92.1 FL Destin, k\$, K92 953

16 Tr  
2107 WNUA 95.5 IL Chicago, m\$, ID 332

21 Es  
1803 WPRK 91.5 FL Winter Park, r\$, ID 1038  
2000 KVNE 89.5 TX Tyler, g\$

June 21st E-skip continued

2014 KPLX 99.5 TX Ft. Worth, k\$, K-Plex 1140  
2015 KRSR 105.3 TX Dallas, k\$, Young Country o/local CFCA (Jeff, they have new calls, but I don't recall what they are. KYNG I believe-gc) 1117

2025 KQYT 106.7 TX Granbury, Coyote Rdo, bm\$ 1174  
2030 KSTV 105.7 TX Stephenville, ads\$ 1202  
2033 KSSA 106.9 TX McKinney, Spanish\$ 1089  
2057 WRR 101.1 TX Dallas, c\$ 1117

24 Es  
1742 WHLZ 92.5 SC Manning, k\$, Wheels 92-5 689  
2045 WZZR 92.7 FL Stuart, ads\$ 1137  
2049 WXDJ 95.7 FL Homestead, SSS 1232  
2050 WEDR 99.1 FL Miami, rs\$, 99 Jams 1236  
2052 WRTO 98.3 FL Goulds, Spanish\$ 1212  
2054 WQOW 92.5 FL Key West, r\$, Wow 92-5 1317  
2056 WAIA 93.3 GA St. Mary's, ads\$, A1A 890  
2059 WYUU 92.5 FL Safety Harbor, o\$ 1084  
2100 (WIKX) 92.9 FL Punta Gorda, ID\$, ex WQLM 1153  
2102 WHTQ 96.5 FL Orlando, r\$, Q-96 1042  
2108 WZMQ 103.9 FL Key Largo, Spanish in stereo, Stereo Fiesta 1283  
2128 WCMQ 92.3 FL Hialeah, Spanish\$ 1232

26 Trs  
0218 WRVF 98.9 OH Upper Arlington, k\$, River 262  
1108 CIRV 88.9 ON Toronto, ethnic, ads, ex 88.7 108  
1638 (WTKB) 100.7 PA New Kensington, k\$, "K-bear" ex WMXP 229

28 Trs  
0712 WDCZ 102.7 NY Webster, g\$, ID 208

JULY 1993 DX  
1 Es  
1909 KGNZ 88.1 TX Abilene, g\$, ID 1255  
1923 W207?? 89.3OH? WKSU 89.7 xlr (trS) 1255  
1929 KACU 89.7 TX Abilene, ID\$ 1255  
1930 KSYE 91.5 OK Frederick, ID\$ 1135  
1931 KELQ 91.5 NM Santa Fe, rx, wx sps\$ 1432  
1936 KNFM 92.3 TX Midland, wx\$ 1379  
1938 KQIZ 93.1 TX Amarillo Texans BB\$ 1228  
1939 KBAT 93.3 TX Midland, r\$, Pur eRock 93 1379  
1943 KECO 96.5 OK Elk City, k\$, ID 1109  
1946 KCLV 99.1 NM Clovis, k\$, ID 1328  
1952 KZRQ 105.1 NM Albuquerque, r\$, Z-Rock 1467  
2006 (KERC) 107.5 NM Clovis, k\$, ex: KZZO 1328  
2029 KRZA 88.7 CO Alamosa, ID\$ 1346

2 Trs  
0000 CBON18 88.1 ON Sault Ste Marie, CBC FF mono 243  
0050 WBNS 97.1 OH Columbus, o\$, all new B97 262  
0112 WGLQ 97.1 MI Escanaba, ads\$ 309  
0153 WJQZ 93.5 NY Wellsville, rm ID, too weak to tell if \$ (it is not, they are mono-gc) 209

102.9K-Lite FM  
Continuous Light Hits!

MORE GREAT DX ON THE NEXT PAGE!!

JEFF FALCONER's DX continues.

JULY 1993 DX

3 Es  
1538 WMAW 88.1 MS Meridian, c\$ 870  
1548 KPAE 91.5 LA Erwinville, asking for \$\$ 1057  
1552 WQCK 92.7 LA Clinton, remote from Family Freedom Festival, Q-92.7 1024

1555 KKBQ 92.9 TX Pasadena, k\$, 93-Q country 1226  
1601 WADU 94.9 LA Reserve, ads\$ 1058  
1623 KQKI 95.3 LA Bayou Vista, k\$ 1102  
1626 WYNF 94.9 FL Tampa, r\$, 95-YNF 1084  
1632 (KLEB) 94.3 LA Galliano, k\$, 94 Country ex: KBAU 1060

1653 WESE 92.5 MS Baldwin, ads\$ 735  
1655 WSCF 91.9 FL Vero Beach, g\$ 1106  
1752 WQOW 92.5 FL Key West, rs\$ Wow 92-5 FM 1317  
1756 WQZN 98.7 FL Key West, ads\$ 1317  
1758 WHYI 100.7 FL Ft. Lauderdale, r\$, Y100 1212  
1759 WLYF 101.5 FL Miami, m\$ 1236  
1800 WZMQ 103.9 FL Key Largo, Spanish\$ 1283  
1801 WEAT 104.3 FL W. Palm Beach, wx rpt\$ 1171  
1804 WQBA 107.5 FL Miami, Spanish\$ 1236  
1809 WRTO 98.3 FL Goulds, Spanish\$ 1250  
1811 WCVU 94.5 FL Naples, ads\$ 1208  
1838 WAYG 89.1 FL Sarasota, g\$, Way FM 1127  
1842 WCTQ 92.1 FL Venice, k\$, Q92 1142  
1843 WCHY 94.1 GA Savannah, k\$, Y94 798  
1845 WKQL 96.9 FL Jacksonville, o\$, Cool FM 918  
1849 WGCO 98.3 GA Midway, o\$, Oldies 98.3 795  
1851 WTKT 98.5 FL Crystal River, r\$ 1019  
1854 WQIK 99.1 FL Jacksonville, k\$, ID 918  
1900 WLQH 97.3 FL Chiefland, ID\$ 979  
1904 WXDJ 95.7 FL Homestead, Spanish\$ 1254  
1905 WGYL 93.7 FL Vero Beach, o\$ 1106  
1919 WJXR 92.1 FL Maccleny, auction\$ 921

4 Trs  
1129 WRVM 102.7 WI Suring, g\$ 351  
1133 WUVE 104.5 MI Saginaw, r\$ // WBTZ 100.9 123  
1146 WCOMM 94.7 MI Gulliver, k\$, The Country Music Machine 294  
1617 (WVTY) 96.1 PA Pittsburgh, ads, Variety 96.1 234

6 Es  
1831 (KNIN) 92.9 TX Wichita Falls, ID\$, ex KBD 1134

6 Trs

2100 (WVWX) 92.1 MI St. Johns, r\$, The Edge ex WXXM 158  
2123 WVAQ 101.9 WV Morgantown, rs\$ 287

10 Trs  
1157 (WPSX) 102.3 MI Big Rapids, o\$, Power 102.3 Fm, ex WAAQ 198

11 Trs  
0053 WQVE 102.5 PA Pittsburgh, r\$, ID finally! 234  
1025 W220AI 91.9 PA Meadville, g\$ // WCRF 103.3 154

12 Es  
1955 WJYR 92.1 SC Myrtle Beach, m\$, Joy 92 700  
1957 WLGI 90.9 SC Hemmingway, Radio Bahal 691  
2044 WPAP 92.5 FL Panama City, k\$, ID 957

18 Trs  
1023 WVLC 92.9 KY Lexington, becoming regular 415

19 Tr  
1749 WZOW 97.7 IN Goshen, o\$, ID 260  
1755 WQJB 106.3 IN Columbia City, rs\$, B106 263  
1814 WXKE 103.9 IN Ft. Wayne, o\$ 255  
1837 WMRI 106.9 IN Marion, b\$ 300  
1840 WWKI 100.5 IN Kokomo, k\$, ID 320  
1845 WLBC 104.1 IN Muncie, r\$, The New 104.1 309  
1900 WERK 104.9 IN Muncie, o\$, Oldies 105 WERK AM and FM Muncie-Anderson 309  
1921 WNUY 100.1 IN Bluffton, o\$, Y-100 270

23 Tr  
1844 WLST 95.1 WI Marinette, r\$, Easy Rock 95 318  
1846 WHYB 103.9 MI Menomonee, promo for the Menomonee County Fair\$ 318  
1904 WJNR 101.5 MI Iron Mountain, r\$, Hits 101 355

24 MS  
1139 KUNC 91.5 CO Greeley, "The temperature in Greeley is...," prev via Es 1210

73 and good DXing, Jeff

WUFT-FM 89  
CLASSIC 89

ALAN R. MILLMAKER - 2714 LAKE ROAD - CENTRALIA, ILLINOIS 62801

KA9GUL. Equipment: Lafayette 3030 receiver, Winegard 3030 antenna up 20 ft, amplifier 1113B set to minimum or AOR scanner amplifier. I heard the following information on 7/25/93 on 98.7 at 1217PM, weather forecast calling for a high of 103, remote from Walmart, then ID of KLUV (Dallas-Fort Worth) (TEXAS) playing oldies. I then decided to tune up Lafayette 3030. First the oscillator was set on frequency, then the mixer was adjusted for maximum on the high end of the dial, and finally the antenna trimmer was adjusted in the same location. On morning of 7/27 I picked up here with antenna west-0127 WDJX 99.7 Louisville, Ky.  
0132 WZPL 99.5 Greenfield, Ind.  
0142 WXXP 97.9 Anderson, Ind.  
I want to reverify that I heard KMZU and not KMTU as I previously reported. The DJ that was on at the time said call letters wrong.

**NORTHERN FM DX**

**SEPTEMBER 1993**

Mike Hawk, NOOSY - 10212 P ST - Omaha, NE 68127-2130  
 Equipment: Kenwood RT-815 tuner (IF mod), FM-10 at 30'

6/30 Es	1729 WMAU	88.9 MS Bude	733
0032 RNEV	1734 WXXZ	95.7 LA New Orleans, Mix	846
7/1 Es	1859 KBNR	88.3 TX Brownsville, SS	1062
1743 WKNN	1900 KMBH	88.9 TX Harlingen, Classic	1043
1745 WABB	1907 KBSO	94.7 TX Corpus Christi, Beso	930
1746 Left	2022 KBNL	89.9 TX Laredo, SS	967
1750 WQID	7/6 Tr		
1812 WYBB?	2201 KZZD	91.1 KS Wichita, Z91, r	254
	7/8 Es		
1815 WDJC	1030 WAYJ	88.7 FL Ft Myers	1302
	1034 WAYG	89.1 FL Sarasota	1230
7/2 Tr	7/9 Tr/Trs	(KVNO, KGBI, KZKX, KLDZ off & KYNN on w/open carrier after t'storm)	
2308 KMZU	0116 KROW	96.9 KS Pittsburg, K97	272
	0910 KRDO	95.1 CO Colorado Springs	492
2312 KFMZ	7/28 Tr		
	2300 KMOD	97.5 OK Tulsa	350
7/3 Tr	2315 KGNL	107.5 OK Ketchum, K-Grand	342
0015 KBIA	2344 KGLC	100.9 OK Miami, lcl ads	306
0032 KMJM	7/29 Tr		
	2210 KQSK	97.5 NE Chadron, "97.5 and 106 FM"	
0111 KRRR	2215 KSDZ	95.5 NE Gordon, k	334
7/6 Es MUF	2227 KRZZ	96.3 KS Derby, tough w/KEFM-96.1	
0931 WZFX	2305 KPNY?	102.1 NE Alliance, Tri-102	357
1048 WNSC		Tulsa stns and some SD also in strong	
1055 WRJA	7/30 Tr		
1056 WEZK	0100 KILI	90.1 SD Porcupine, "Keelee Radio"	
1101 WMAP	0130 KSKC	99.1 KS ??, Channel 99. Note 1.	
1104 WPEG	0811 KRJY	96.3 MO St Louis, Juke Box 96	358
1107 WFSS	0815 WBBB	97.5 IL Pittsfield	298
1312 WALK	0855 KHHT	98.7 MO Springfield	313
1317 WCIZ	0900 KVVU?	88.3 MO Springfield, The Wind FM	
1318 CHYM	0910 KRTZ	107.5 AR Mountain Home, Mix 107.5	
		Note 2	391
1320 WKSS	0915 KRDY	102.5 MO West Plains	383
1330 Monterrey	0930 KMS	95.1 AR Mammoth Spring, o/KLDZ!	
		K Country 95	406
1331 XHNOE	1000 KWFC	89.1 MO Springfield	313
1333 XHRP	1005 KCVot	91.7 MO Camdenton, g	283
1336 XHSAB	1025 KOEA	97.5 MO Doniphan, k	424
1341 A FF station			

Note 1: In a promo they mentioned 4 decades of service. That seems strange considering I have no record of them or the call signs on 99.1 or any other freq. Maybe its another stn on 99.1 who just changed CL's?  
 Note 2: Frank Merrill's success in logging 9600 miles worth of tropo on 106.7 inspired me to recalculate 107.5, in which I've heard 6620 miles worth of tropo.

DX in July was mediocre. Es took a dive, but not quite as bad as last year. Tropo was terrible until the last few days of the month. Still nothing beyond 500 miles this year. The best tropo this year was at the convention in Nashville. Texas and Oklahoma was seen/heard to distances approaching 800 miles. I had a great time, and Tom and Doug did a great job as hosts. I'm already looking forward to next years, as long as it is within a 2 days drive and is during summer (school and DX conventions don't mix). It's strange in how much this year's DX has paralleled last year's. Es started strong both years & ended abruptly in July. Tropo was slow until the end of July both years. Maybe that means August will have 8 days of tropo beyond 500 miles like last year!? I hope so! 73

**CFMX-FM 103.1**



**NORTHERN FM DX**

**SEPTEMBER 1993**

**MIKE BUGAJ - 69 SHERMAN RD - ENFIELD, CONNECTICUT 06082**

Tuner is a Carver TX11 (IF modified) with Probe 9 at 30' agl. New underlined

**JULY 1993 DX**

2 Tr	0845 WQSR	105.7 MD Catonsville, oldies
	0845 WIOV	105.1 PA Ephrate, Cntry 105, rare
3 Es	1748 WHFX	103.3 GA Waycross, Fox 103
	1751 WYGC	100.9 FL Gainesville, Hot k Hits
	1752 WNCK	99.7 SC Pt.Royal, K 99.7, k
	1759 WUSF	89.7 FL Tampa
	1852 WSYE	93.3 MS Houston, Sunny 93
	1852 WGRM	93.9 MS Greenwood
	1855 WKTF	95.5 MS Jackson, country?
		(Yeah, and new calls to go with switch-gc)
	1900 WAFR	88.3 MS Tupelo
	1906 KTRX	93.5 MO Tarkyo ID w/KMZU
5 Tr	0920 CHEZ	106.1 ON Ottawa, Chez 106, plus other Ottawas
6 Tr	0630 heavy	Norfolk and coastal Maryland
	2250 WRSF	107.5 NC Columbia, k
	2300 WMYJ	106.5 MD Pocomoke City, dual ID with WKRE 107.5 which was also heard
11 Tr	0852 WDHJ	100.3 NY Delhi
12 Es	1934 WOGY	94.1 TN Germantown, Froggy 94 k, mention of Memphis area towns (Mike, this is Germantown moved from 94.3, not the 94.1 Ripley CP-gc)
	2007 KTXK	91.5 TX Texarkana
	2016 KWKH	94.5 LA Shreveport, Radio Ranch
	2035 KRMD	101.1 LA Shreveport, k
	2036 WMC	99.7 TN Memphis, FM100
	2041 KYKX	105.7 TX Longview, Hot k Kicks
	2043 KNUE	101.5 TX Tyler
	2051 KDGE	94.5 TX Gainesville, The Edge

25 Es	1950 WAKX	98.9 MN Duluth
	1950 KUMD	103.3 MN Duluth Public Radio
	2000 WRJQ	94.5 WI Eagle River
	2000 WSCD	92.9 MN Duluth
	2004 KMFY	96.9 MN Grand Rapids
	2005 KDKK	97.5 MN Park Rapids
	2015 CITI	92.1 MB Winnipeg, 92 City FM
	2015 CHIQ	94.3 MB Winnipeg, Q94 FM
	2020 KBHP	101.1 MN Bemidji
25 Tr	2100 Coastal Tropo,	WAAI/WYFI/WOLC/WSLT, Norfolk area, coastal NJ and MD
26 GW	2000	Some testing to the west with music (no talk). Signal level about the same as Salisbury 98.1. I think this is the new Sharon 103.3 testing.
30 Es	1755 WOOF	99.7 AL Dothan
	1800 WRWA	88.7 AL Dothan
	1800 WDCC	89.7 GA Cochran, Peach St. PR
	1806 WPCN	100.1 FL Panama City Beach
	1808 WESP	102.5 AL Dothan, Oldies 102.5
	1812 WRCC	101.7 GA Warner Robbins, k
	1814 WJAQ	100.9 FL Marianna, k
	1821 WDJR	96.9 AL Enterprise
	1844 WMEZ	94.1 FL Pensacola
	1848 WTBB	97.7 FL Bonifay, 97.7 Pirate Radio
	1914 WTVY	95.5 AL Dothan
	1914 WRBA	95.9 FL Springfield, Bay 96
	1930 WTJT	90.1 FL Crestview, g
	1931 WRBH	88.3 LA New Orleans

So much for July DX. Tropo this month was poor. On a scale from 1 to 10, ten being excellent, I'd rate this Es season a 4. That's better than a zero, but not worth much more than a yawn.

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

**All times are CST**

**FROM BLOOMINGTON, MINN LOCATION:**

**JUNE 1993 DX**

9 Es	1954 KNFM	92.3 TX Midland, k
	1955 KODM	97.9 TX Odessa, Mix 97.9
	2000 KELI	98.7 TX San Angelo
	2015 KDCC	92.9 TX San Angelo, CD Country
	2020 XHEC	91.9 NL Sabinas
	2026 KYNE	89.5 TX Tyler, PSA for East Texas Crisis Center in Tyler
	2029 KGNZ	88.1 TX Abilene
	2035 KMTH	98.7 NM Maljamar, +X SCA, c
16 Es	1725 KCEP	88.1 NV Las Vegas, I-15 traffic
	1730 KSRR	92.9 TX San Antonio, note 1
	1750 KBDR?	100.5 TX Mirando City, B100, does this one have new calls?
	1755 KZOR	94.1 NM Hobbs
	1823 XHEC	91.9 NL Sabinas, \$

**June 16th skip cont.**

1833 KNFM	92.3 TX Midland, "West Texas Country Leader"	
1837 KBAT	93.3 TX Midland	
1841 KMRK	96.1 TX Odessa	
1901 KKOBB	93.3NM Albuquerque	
1930 KRZA	88.7 CO Alamosa	
1933 KHFM	96.3NM Albuquerque	
1956 KAFP	92.9 AZ Flagstaff	
2006 KNAU	88.7 AZ Flagstaff	
17 Es	1930 KNAU	88.7 AZ Flagstaff
21 Es	1731 WSCL	89.5 MD Cambridge,
	1737 WFBR	94.3 MD Cambridge, k (WICO-am)
	1742 WYLT	96.1 NC Raleigh, Y96FM
	1758 WSBF	88.1 SC Clemson
29 Es	1613 KJYE	92.3 CO Grand Junction, "KJOY",b
	2043 KUHF	88.7 TX Houston

more of john's dx to follow →

## JOHN EBELING'S report continues-

## JULY 1993 DX

1 Es (Note 2)  
 1650 KPVU 91.3 TX Pararie View  
 1658 KJOJ 103.3 TX Freeport, g  
 1702 KIVY 92.7 TX Crockett, local ads  
 1706 KZFX 107.5 TX Lake Jackson, Z 107.5  
 1715 KULM 98.3 TX Columbus  
 1719 KHOY 88.1 TX Laredo, +X SCA  
 1724 KPLE 104.3 TX Temple  
 1726 KVIC 95.1 TX Victoria  
 1729 KVTI 91.7 TX Dallas, g, Renewal Radio  
 1731 KNTU 88.1 TX Denton  
 1754 KGSR 107.1 TX Austin/Bastrop  
 1755 KHKS 106.1 TX Denton/Dallas  
 1800 KALK 97.7 TX Winfield  
 1802 KWTX 97.5 TX Waco, a lousy ID  
 1803 KMDL 97.3 LA Kaplan  
 6 Es  
 1729 KIOX 96.9 TX El Campo

# MIX 99.9

Note 1: On this June 16th opening I had Spanish on 17 frequencies: 88.3, 90.1, 90.9, 88.9, 91.7, 91.9, 92.7, 93.3, 94.1, 94.3, 95.7, 96.1, 96.3, 99.7, 106.5, and 107.5 (John, they may have been double hop, I had 1700 miles reception to Monterrey at that same time-gc)

Note 2: On the way to the cabin, logged KSYE 91.5 OK Frederck (g) and KBIL 92.5 TX San Antonio (r) on the car radio, at about 2100. This Es season, I have been in Toronto from June 2-9 and also in British Columbia from July 7-14. Did not notice any Es in rented car drive from Seattle to Prince George, BC and back. As one might, expect, FM band in Central BC is rather dead! That should about do it for now from MN. Regards from John Ebeling

## MORRIS SORENSEN - 29 JANET BLVD. - SCARBOROUGH, ONTARIO M1R 1H7 CANADA

Equipment Panasonic RF-B65 with whip antenna

## DX from Kemptville, Ontario

## JULY 1993 DX

9 Tr  
 2258 CKOJ 96.9 PQ Verdun, French, local ads  
 "say kwah" ID (C-koi in French)  
 10 GW  
 2249 WNCQ 102.9 NY Morristown, country mx, ID as  
 "102.9 FM WNCQ Morriston-Brockville, 1410 AM WNCQ  
 Watertown, Big O Country", relatively new station  
 11 Tr  
 2059 WVVV 96.5 NY Malone, country, ID sung out  
 12 Es  
 1957 WUWF 88.1 FL Pensacola, U of W. Fla Radio  
 1959 WJSP 88.1 GA Warm Springs, Peach State P.R.  
 2047 WMXZ 95.7 LA New Orleans, rock music  
 "New Orleans" Mix 95.7"

## FROM PROSIT (ALBORN), MINN. LOCATION:

## MAY 1993 DX

16 Es  
 2004 CJAY 92.1 AB Calgary, CJ92  
 2008 CKUA1 93.7 AB Calgary  
 2009 CHFM 95.9 AB Calgary, Light 96  
 2015 CBR 102.1 AB Calgary  
 2018 CBRF 103.9 AB Calgary  
 23 Es  
 1015 KFGI 94.7 TX Luling, Froggy 94 oldies  
 1025 KHHT 93.3 TX Kileen, Texas hot k  
 (John, it is Kileen with these new calls-gc)  
 1030 KEOM 88.5 TX Mesquite  
 1034 KSAQ 96.1 TX San Antonio  
 1116 KAGG 96.1 TX Madisonville, wx  
 31 Es  
 0940 KNPR 89.5 NV Las Vegas  
 0942 KBXS 92.7 NV Ely, k, wx (320 watts?)

## JUNE 1993 DX

13 Es  
 1029 KNFM 92.3 TX Midland  
 18 Tr  
 2300 KBHL 103.9 MN Osakis  
 21 Tr  
 0900 KOQD 91.9 SD Lowry  
 JULY 4 Tr  
 1357 KDIS 95.3 MN Wilmer, new

## July 12 Tr

2157 WGIX 95.3 NY Gouverneur, ads, ID mentioning  
 other stations onnetwork, "full service radio"

## 13 Tr

2156 CHGA 97.3 PQ Maniwald, rock, French news  
 2258 WHEN 107.9 NY Syracuse, "Country 108", legal ID

## 14 Tr

1050 CBOE9 88.7 PQ Chapleau, French // CBF 690  
 1936 CHOM 97.7 PQ Montreal, "chom", ID, baseball  
 contest promo  
 1341 CITE 107.3 PQ Montreal, soft rock "Cite" ID in FF  
 1426 CBF 100.7 PQ Montreal, French talk // CBOX 102.5  
 I've recently rejoined WTFDA after an absence of a couple of  
 years or so. I'm presently living in the Toronto suburb of  
 Scarborough but do most of my DXing when I'm out of the city.  
 Recent loggings come from Kemptville, Ontario, near Ottawa  
 (Welcome back, Morris. Hope to hear from you often-gc)  
 73, Morris Sorensen

## DANIEL OETTING - 600 W. SCHUYKILL RD Y-6 - POTTSTOWN, PENNSYLVANIA 19464

Equipment: Harmon Kardon Citation 23 and rabbit ears

## FROM EXTON, PA:

April 30: (My 1st child was born yesterday at 0406  
 [Congratulations, Dani-gc] and here I am DXing the  
 night away!!)

## Tr

2330 WSBL 97.9 DE Selbyville, ID  
 2335 WCXL 104.1 NC Kill Devil Hills, r

## MAY 1993 DX

## 1 Tr

0800WNHW 92.5 NC Nags Head, k, ID

## 18 Tr

Strong Eastern Long Island relogs, 92.1, 95.3, etc

## JUNE 1993 DX

## 12 Es

1234 WYAG 89.1 FL Sarasota, g  
 1238 WSRX 91.5 FL Fort Myers  
 1245 WYFO 91.9 FL Lakeland, g  
 1246 WCTQ 92.1 FL Venice, k  
 1246 Had to leave Es

## 15 Tr

0605 WWNJ 91.1 NJ Dover Township, c  
 0632 WPLM 99.1 MA Plymouth, ID, talk  
 0642 WHCN 105.9 CT Hartford, rp

## 16 Tr/Trs

0959 WVEC 88.3 PA Elizabethtown, ID, BBC news  
 1053 WSHH 99.7 PA Pittsburgh, ad for McMurray

## FROM POTTSTOWN, PENNSYLVANIA:

## 20 GW/Tr

2115 WSPJ 99.7 PA Mount Carmel, ID, m,  
 "Spy 99.7", new to the airwaves

2130 WVOR 100.5 NY Rochester, m

## 21 Tr

0745 WEFX 95.9 CT Norwalk

## 24 Es

2010 - 2030 lots of S.Florida relogs, 88.9 to 105.9  
 2014 WRTO 98.3 FL Goulds, Spanish  
 2016 WGYL 93.7 FL Vero beach, m

## 25 Es

0915 CBNC 88.7 NF Stephenville, CBC radio  
 0920 CKOZ 92.3 NF Cornerbrook, rp, Oz-FM  
 ads for Newfoundland

## June 27 Tr

1130 WZMX 93.7 CT Hartford, m  
 1135 WKCI 101.3 CT New Haven/Hamden  
 1137 WPDH 101.5 NY Poughkeepsie

## 28 GW/Tr

0734 WBHI 97.1 PA Mountaintop, Hot 97, ads

## 28 Es

1307 KPET 90.1 TX Houston, calls  
 1310 to 1333, Mobile, AL relogs 88.1 to 94.9  
 1331 WKSM 99.5 FL Ft. Walton Beach/Pensacola ad

## 30 Trs

0030 WGBG 101.7 NY Owego, r, ID

0050 WBBS 104.7 NY Fulton, k, "B 104.7"

## JULY 1993 DX

## 1 Es

1400 KBAU 94.3 LA Galliano, k, ID  
 1410 WBBN 95.9 MS Taylorsville  
 1422 WOKK 97.1 MS Meridian  
 1425 WJMI 99.7 MS Jackson, s

## 5 Tr

0950 WSPK 104.7 NY Poughkeepsie, r  
 1032 WJFF 90.5 NY Jeffersonville, c, pledge drive  
 1105 WGBA 98.7 NY Coming, m, 98.7 CBA FM  
 1315 WKFM 104.3 NY Utica, rp

## 6 Tr

0655 WAMC 90.3 NY Albany, c  
 0715 WXTK 94.9 MA W.Yarmouth, t  
 0720 WRCN 103.9 NY Riverhead, rp  
 0730 WBMW 106.5 CT Ledyard, m  
 2111 WLZW 98.7 NY Utica, "Light 98.7 WLZW"

## 7 Tr

1100 CJBC1 95.5 ON Belleville, FF

## 8 Tr

0002 CFLY 98.3 ON Kingston, Canadian oldies  
 0024 WSQC 90.9 NY Ithaca, c, ID w/WWSK 89.3  
 0104 WSEN 92.1 NY Baldwinsville, oldies  
 ID with 1050 AM

## 14 Tr/Trs

1242 CFMK 96.3 ON Kingston, k, weather in  
 Celsius, "Country FM"

## 29 Tr

1215 WKXZ 93.9 NY Norwich, m, Central NY ad

Hello DXers! I've moved again. I'm in North Coventry, PA (Pottstown post office). This time I'm about 15 miles north of my previous location of Exton, PA. I'm about 25 miles WNW of Philadelphia. I'm further away from the Roxborough transmission towers. The DX location I'm in is good. I'm on the north slope of a hill facing the town of Pottstown. DX to the south is pretty poor. Picking up Virginia is a rarity now. On the plus side, DX to the north is quite good. I've received several Canadian FM's here, some new, in only a month. Some fair amount of FM Es this year, but the openings have been very short lived (a lot of people have been noticing that about this year's openings-gc). What ever happend to all day skip openings? Ocean City MD's WKHI 99.9 is now on 95.9. WWTR gone, 99.9 is now country, WWFG "Froggy". Shamokin PA's Spy 95 (95.3) reappears on 99.7 as "Spy 99.7" and 95.3 is now "Whistle", WISL, with rock.

See ya, Dan O.

FM 88.1 89.1 90.1 91.1 92.1 93.1 94.1 95.1 96.1 97.1 98.1 99.1 100.1 101.1 102.1 103.1 104.1 105.1 106.1 107.1 108.1 109.1 110.1 111.1 112.1 113.1 114.1 115.1 116.1 117.1 118.1 119.1 120.1 121.1 122.1 123.1 124.1 125.1 126.1 127.1 128.1 129.1 130.1 131.1 132.1 133.1 134.1 135.1 136.1 137.1 138.1 139.1 140.1 141.1 142.1 143.1 144.1 145.1 146.1 147.1 148.1 149.1 150.1 151.1 152.1 153.1 154.1 155.1 156.1 157.1 158.1 159.1 160.1

# WJYR FM 92

**NORTHERN FM DX**

**SEPTEMBER 1993**

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

Equipment: same as usual

**DECEMBER 1992 DX**

1 Tr	
0907 WMQT 107.5 MI Ishpeming	450
0930 WPF 90.5 MI Sturgeon Bay	
over WNU,wx, program announcements	330
0947 WIMK 93.1 MI Iron Mountain	400
13 Tr	
1802 KKTZ 107.5 AR Mountain Home	360
2323 KURB 98.5 AR Little Rock	420
poor Tr on FM, but "raging" on UHF	

**FEBRUARY 1993 DX**

7 Tr/GW	
0200 WYDS 93.1 IL Decatur, D93,k,legal 100	
<b>MARCH 1993 DX</b>	
26 Tr	
1939 KWNG 105.9MN Red Wing, K-wing	310
27 Tr	
2250 WOJB 88.9 WI Hayward, end of	
program, calls, 800-776-2689, that	
had been my most wanted FM.	370
THIS IS IT, up to the end of MAY!!	

**JIM RENFREW - 61 WILCOX ST. - ROCHESTER, NEW YORK 14607-3832**

(716) 461-2717 (h), (716) 494-1847 (Tu/Th), JVC auto radio, all times EDT. Distances are from Fred.

**JUNE 1993 DX**

10 GW and Tr	
1100 WBTF 101.7 NY Attica, new calls not noted,	
just non-IDs. (There was a mistake, Jim, Attica	
is still WBTF, WJER is in Dover, Ohio-gc)	
1115 {WBBS}104.7 NY Fulton, new k format, and	
many non-IDs	
1120 {WKFM}104.3 NY Utica, lots of non-unids	
(Jim, note they have finally gotten their new calls-gc)	
1130 WBBGt 93.3 OH Youngstown, probably the	
one with brief ad for Ohio Edison	
11 Es (MUF 101.9, possibly 104.9)	
1116 KEBC 94.7 OK Oklahoma City, lots of	
IDs, country, and local ads	1116
1124 KLA 97.5 OK Durant, ads for ShermanTX	
local weather report, verified	1196
1140 KYKC 100.1 OK Byng, Id, ads for Ada (BY	
says this one is a CP) (I verified them from this	
opening, Jim, they say they are brand new-gc)	1178
1151 KIXRt 100.1 OK Poca City, popped in over	
KYKC with temperature "In Poca City"	1125
1214 KEBC 94.7 OK Okaloma City, again	1116
1233 KSEC 93.3 CO Lamar, strong for 25 min.	
with many KLMR/KSEC/KC93 IDs, local ads	
New STATE #261 No other Es at this time.	
Verified (darn, I knew I should have written	
them, I heard them at the same time!-gc)	1359
June 15 TrS & Es (MUF 91.9)	
0927 WJCH 91.9 IL Joliet, presumed to be this	
with Family Radio // WFRW, brief burst	548

**JULY 1993 DX**

1 Es (MUF 107.3)	
1323 WPCV 97.5 FL Winterhaven, tentative	
with country, previously logged	1070
1329 WYFO 91.9 FL Lakeland, same prayer	
requests as 6/15, IDed as WYFO at 1359, with	
gospel music QRM	1071
1331 WWRM107.3 FL St.Petersburg, Warm 107	
with continuous relaxing favorites,	1099
1334 WMNF 88.5 FL Tampa, Cuban jazz and	
mention of Tampa Stadium	1084
1334 WSORt 90.9 FL Naples, with religion	1199
1335 WMCU 89.7 FL Miami, talk about Epcot	
Center, then "WMCU, your radio" with WITR	
off at the time, Es drops below channel 6	1209
1405 WDDQ 92.1 GA Adel, Tourist tape	
loop, Exit 10, locals ads, ID	889
1408 WMLQ104.9 FL Havana, Weather for	
Tallahassee, N. FL and S. GA, Mellow 105	943
1410 WTUE 106.3 GA Boston, ad for John McGee	
Auto in Thomasville, popped in u/CJBC	919
1412 WGW 93.3 FL Greta, ad with	
Quincy address, fighting through WWSE	942
1416 WJAD 97.3 GA Bainbridge, mention of	
Albany minor league BB, poor u/WYXL	929

**JULY 1993 DX**

2 TrS	
1308 CBF9 91.9 PQ Mont Laurier, parallel	
to CJBC 860 AM Toronto	257
1323 WKMZ 97.5 WV Martinsville, blew in over	
WCZ with ad for Berryville, VA. Is this WQBE	
now? (No, WQBE is in Charleston,WV, on 97.5)	
Are those the calls you heard!-gc)	255
1338 CITEt 107.3 PQ Montreal, probably this	
one with French announcer for almost a minute	
in over WRCK.	258
I hit a golf ball to the exact same spot from two different	
tees today, and then all my TrS reception were less than	
three miles apart. Maybe I should have played the lottery	
today? (Jim, if that happens, buy one fore each of us,hi)	
6 Es	
1247 WQUE 93.3 LA New Orleans, ads, all	
1251 (KLEB)94.3 LA Galliano, catfish festival	
Terrebonne Health Center, 94 Country non ID	

**NORTHERN FM DX**

**SEPTEMBER 1993**

**STATION NEWS:** In West Palm Beach, Fla. 92.1 is now WRLX. They use the slogan 'Relax 92.1'. In San Angelo, 92.9 is now KDCD. They are CD country also, presumably the satellite service. WNCQ 102.9 Morristown, NY (near Brockville, Ontario, in the 'North Country' region of NY) is on the air with country. They relay 1410 AM WNCQ in Watertown. "They are Big Q Country", just like the old WNCQ 97.5 Watertown, but probably with a lot less coverage than that 100kw station, hi. WMHR 102.9 in Syracuse, a religious station, now has a translator on 88.7 in Dansville, N.Y. KDJS 95.3 in Wilmer, Minnesota is now on the air. In Connecticut, testing has been heard on 103.3 that is quite likely the new Sharon, CT testing. So look for that one to come on shortly. A widely heard change this season is 91.5 Ft.Myers, now WJYO, 'Joy FM', and running parallel to WJIS 88.1 Bradenton, another widely heard station. I don't know if they are always parallel though. In that same neck of the woods, WCMQ 92.3 Hialeah, and WZMQ 103.9 Key Largo are no longer simulcasting, they have separate programming now. KZEB 95.5 Pleasant Hope, Missouri is on the air with classic hits for Springfield. Slogans of 'B95' and 'The B' have been heard. 104.5 in Indianapolis has indeed received its new calls of WGRL. They are now country and 'The Bear'. Detroit's 99.5 is now WYCD, to go along with it's 'Young Country' format. CHYR 96.7 Leamington was heard on the air, with country. WRED Gibsonburg-Toledo is now using the slogan 'Toledo's Hit Country Y 95.7'. Still WRED though. WRVC 93.7 Ashland, KY has gone oldies. WBVI 96.7 Fostoria, Ohio is now using the slogan 'Mellow Mix 96.7'. Decatur, IN has moved from 92.7 to 105.1. They are now WQHK-FM, 'K105' and country music, serving Ft.Wayne. Two other recent additions to that market are WGL-FM 94.1 Roanoke,IN (talk), and WFWI 92.3 Ft.Wayne (a/c). 104.9 in Muncie is now WERK-FM, and oldies, which sounded satellite fed. Nearby WAXT 96.7 Alexandria is using the slogan 'The Frog' and is country. WJAA 96.3 Austin/Seymour, Ind. is on with classic rock. WKMO 106.3 Hodgenville, Ky. was heard using the slogan 'KMO country'. WASE 105.5 Ft.Knox, Ky is 'Oldies 105.5'. WHIC 94.3 Hardinsburg, Ky. is now 50Kw according to a billboard (and they do get out well). They are country and use the slogan 'Power 94.3'. WMQQ 102.7 Springfield, Ky. was heard using the slogan Q-102.7 and was playing oldies. WKYR Burkesville, KY is now 107.9, and country. They don't say much though, lots of dead segues! WKNK 99.1

Edmonton, Ky. is on, with a slogan of 'Kickin Country 99.1' heard. WCKQ 104.1 Campbellsville, KY is on the air: 'Q104, Central Kentucky's best music mix', and a/c, not to be confused with 'Q105, Central KY's best music mix', which is WWWQ Glasgow 105.3, and top 40. KGMO 100.7 Cape Girardeau is 'Oldies 100'. WRTB 106.5 Washington, Ind. was heard using 'Bullet 106.5'. They were 'Real Country', satellite delivered I believe. KFFB 106.1Fairfield Bay, Ark. is on the air. They had what sounded like traditional or gospel country music, but it was a Sunday morning, so that may not be their regular format. WHHM 107.7 Henderson/Jackson, Tenn. is on with country. 93.9 in Selmer, Tenn. was also on the air. WNBE 93.1 Alamo-Jackson, Tn. was running religion, and was 'Good News 93' so I assume that is their regular format. Millington, Tenn. calls are now WYKL (98.1). They are 'Cool 98' and are oldies serving Memphis. KHLS 96.3 in Blytheville, Ark. is using the slogan '96 Country'. KJBR 101.9 Jonesboro, Ark. is still those calls, but is now '101.9 Kiss FM' and an adult based CHR or hot a/c. In Northeast Arkansas, a 'Kickin' 107' was heard on 106.7, so perhaps Truman, Arkansas is on the air. KWYN 92.5 Wynne, Ark. was heard playing oldies. WRNZ 105.1 Lancaster, Ky. IDed with Harrodsburg and is oldies. WKYL 102.1 Lawrenceburg, Ky. is on the air with an a/c format, no non-ID. This is in the Lexington-Frankfort area. WQTL 106.3 Ottawa, Ohio is using 'Classic Hits 106'. WDOH 107.1 Delphos, Ohio is country and 'Winning 107'. WBNL 107.1 Booneville, Ind. is adult standards and nostalgia, and in mono. WDHM 97.9 Salem, Ind. is on with mono religion. WEHR 105.1 Shepherdsville is on, with an upbeat a/c format 'hits without the hype' 106.1 Newburgh, Ind. (Evansville) is now WJPS-FM and oldies. 99.9 Kettering-Dayton is no longer WVUD, now they are WLQT, Lite 100. WPKO Bellefontaine, Ohio used the slogan 'Lite Mix 98.3'. 93.1 Lima is 'Froggy 93' and satellite country. Calls sounded like WMRY or something, they were said too fast! 103.3 WFXF Indianapolis is no longer the Fox, now 'The X', and still hard rock. WKKO 99.9 Toledo is now simulcasting with WTOD-AM. 103.9 in Louisville, Ky. is now WHKW 'The Hawk' and SMN Hot Country. WTFX 100.5 Louisville is on the air as 'The Fox', and album rock. Note the calls on 95.1 Glasgow, Ky are WGGC, not WPRX. 103.7 WBLN Murray, KY used 'The Blend B103'. Thanks Matt Sittel, George Greene, Bruce Hall, Saul Chernos, Dave Nieman, Tim Noonan, Jeff Falconer, Doug Smith, Morris Sorensen, John Ebeling, Bill Nienajadly, and Mike Bugaj!





**STATION NEWS:** 98.9 in the Austin, TX area (Lampassas) has changed from oldies to a Z-Rock affiliate. It's new calls are KUTZ. KDST 99.3 in Dyersville, Iowa is SMN Real Country. In San Antonio, KSMG 105.3 Seguin goes to adult contemporary. In New York City, WYNY 103.5 is remaining with it's country format, but it has a new slogan: "Y 103.5 today's country hits". WCSE 97.5 in Bridgeman, Michigan is on the air with as and "Cosy 97.5". In Virginia, WSVS 104.7 Crewe changes call letters to WKIK-FM. They remain country, but now are trying more to get into the Richmond market. Their new slogan is "The Bear". Another slogan change, this time in South Florida, as 106.7 Ft.Lauderdale becomes "Tropics 106.7". New calls are WTPX, and the format is soft adult contemporary. 94.3 in Lawton, Okla. is KQLI no more, the are now KZCD, and "CD country", joining that satellite country service. In Biloxi, Miss., 96.7 now has the calls WXRQ. They are classic rock and have the slogan "Rock 96.7". WFSP 107.7 in Kingwood, West Virginia is on the air now, with a "Sunny 107.7" slogan, and rS. WBZW in Loudonville, Ohio, same frequency, switched to a/c a short time ago after being new age jazz since their sign on. Well now they have changed again: to oldies, and "Oldies 107". WQZS 93.3 in Myersdale, PA is new to the air. They are album rock and use the slogan "QZ93". CBC has been testing on the air on 94.3 for its new English mono service. Conflicting reports have the city of license either Huntsville or Rosseau, although those two cities are not that far apart. This ties

in with more changes that are targeted to take place on September 1st. CBCO 105.9 Orillia is to move to 91.5. 105.9 will be taken over by CFOR, which is currently on AM 1570. It is not clear whether they will just use CBC's old equipment or a higher powered setup. Due to the increased coverage with the 91.5, and the 94.3, CBCM 107.5 in Midland/Penatanguishene is expected to be shut down. WJLF 91.7 in Gainesville, Fla. is on the air, with religion in stereo, and "Love 91". Somewhat of a shakeup in Central Pennsylvania, as the WSPI calls previously on 95.3 Shamokin now have shown up on 99.7 Mount Carmel (previously silent). Shamokin now has the calls WISL. Germantown, Tenn.'s 94.3 has moved to 94.1, and upgraded to serve Memphis. New calls are WOGY, with a "Froggy" slogan and country music format. Do not confuse this with the Ripley, TN CP shown in the FM Atlas. I am not sure about the status of that CP, but I would speculate, being so close to Germantown, that they better go find a new frequency! WCMM 94.7 Gulliver, Michigan is also new to the air. They play country music, and their calls stand for "Country Music Machine". 102.3 Big Rapids, MI now has the calls WPSX (same as ch3 Clearfield, PA?). They are oldies, with the slogan "Power 102.3 FM". Another station noted new to the air is 104.5 Saginaw, Mich. Calls are listed as WUVE-FM. They were heard running parallel to WBTZ 100.9 Piconning, Michigan, which I believe is hard album rock? Slogan last I heard was "The Blitz".

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

Equipment: Pioneer TX9100 tuner and/or Carver TX-11 tuner, Stereo Probe 9 FM antenna @ ~ 25' AGL, 9 element JeroId used with 2 capacitor in a box system, along with rabbit ears, for phasing purposes, CAC-11 and RG6 coax, Archerrotor.

JULY 1993 DX

6 Es

1200	KCFR	90.1 CO Denver, cS, legal ID	1389
1203	KBJI	105.9 CO Denver, legal ID, album rS	1384
1206	KIJN	92.3 TX Farwell, wx, calls, gS	1417
1209	KQIZ	93.1 TX Amarillo, All Hit Z93	1344
1215	KMML	98.7 TX Amarillo, calls, country	1351
1216	KSID	98.7 NE Sidney, mS, same muffled audio as in 1991, Cheyenne Co. mentions	1258
1219	KTCL	93.3 CO Fort Collins, modern rockS	1370
1220	KEYE	95.9 TX Perryton, legal ID? Each time I have heard them they have given a legal ID!	1261
1226	KUAD	99.1 CO Windsor, countryS, K99	1349
1230	KKBS	92.7 OK Guymon, local ads ph/CJBX	1286
1234	KEXX	106.7 KS Hugoton, "America's best Mx" and country, format change for them	1263
1241	WKDD	96.5 OH Akron, in strong, rarely heard of WCMF & WCOA: perhaps this is backscatter?	191

July 6 Es continued

1250	WMXZ	95.7 LA New Orleans, Mix 95.7	1098
1255	KBLJ	92.1 CO La Junta, SE CO wx, calls	1352
1500	KWWR	95.7 MO Mexico, Country 96, S	737
1501	KOEZ	92.3 KS Newton, calls, bS	1037
1501	KOSU	91.7 OK Stillwater, ID, hi Danny	1091
1501	KCMA	92.1 OK Broken Arrow, legal ID boy that was a productive minute there!	1036
1503	KXLS	99.7 OK Alva, weather 4cast	1125
1505	KZEB	95.5 MO Pleasant Hope, new station on for Springfield market, classic hitsS, "The B"	858
1510	KGLI	95.5 IA Sioux City, KG95, top 40S, how'd this one get in here??, in for awhile too	899
1511	(KIBN)	90.7 KS Wichita, grS, calls, ex: KZZD	1041
1512	KEYN	103.7 KS Wichita, Oldies 104 KEYN S	1048
1512	KCMO	94.9 MO Kansas City, cS, ph/CKGE	870
1521	KNEN	94.7 NE Norfolk, ads	965
1524	KJCK	94.5 KS Junction City, Power 94.5, ads wx, rS, over phased 100KW local WNEDI rare!	985

GREG CONIGLIO'S REPORT continues.

JULY 1993 DX

6th Es cont.

1534	KJLS	92.7 KS Minneapolis, new to air, many Salina area ads, verified them	1026
1545	KMZA	92.1 KS Seneca, "Kansaland Radio" and nearby ads, this must be new to the air	927
1546	KREP	92.1 KS Belleville, local ads incl. 150th celebration for town of Cuba, mixing w/KMZA	1006
1640	KCGM	95.7 MT Scooby, calls heard, same lousy audio that I heard way back in 1988!	1335
OHNO, I have to leave for work! Able to DX in car, plus left tape running on 92.1.....			
1645	KGGG	100.3 SD Rapid City, Hit 100 FM	1228
	KKMK	93.9 SD Rapid City, a/c music	1227
	KSQY	95.1 SD Deadwood, AOR	1255
	CITI	92.1 MB Winnipeg, 92 Citi FM, strong!	1000
	CBWW	97.9 MB Brandon, CBC mono EE	1118
	KPSD	97.1 SD Faith, S.D.P.R.	1175
1700	KQSD	91.9 SD Lowry, S.D.P.R.	1064
	KLOP	92.1 MN Madison, on tape!	881
7 Tr			
2120	WQLN	91.3 NY Olean, finally! // WBFO 88.7 local WBNY Buffalo off, but WQLN Erie is major pest	67
8 Es			
0940	WXFX	95.1 AL Prattville, The Fox	839
0943	WQUE	93.3 LA New Orleans, Q93 traffic	1097
0944	(KLEB)	94.3 LA Galliano, 94 Cntry, ex KBAU	1132
0950	WHER	103.7 MS Hattiesburg, Eagle 103, kS	976
0954	WUSD	97.9 MS Wiggins, kS, US98	1018
0957	WPAP	92.5 FL Panama City, kS	942
0956	WSLY	104.9 AL York, believe it is them simulcasting WALT 910 Meridian, "T91" on this freq.	896
0957	KCIL	107.5 LA Houma, C107 news	1148
1003	WCKW	92.3 LA Laplace, Stevens & Puett	1119
1030	WMXZ	95.7 LA New Orleans, ES PESTI	1098

July 12 Es

2104	KDOM	94.3 MN Windom, ads	828
21 Tr	with Buffalo	93.7-96.1-106.5 off	
0047	(WBCT)	93.7 MI Grand Rapids, kS, B93, Berry Co. fair ment, weak but consistent, ex WJFM	348
0053	WHNN	96.1 MI Bay City, strong, Oldies 96	255
0106	WSTO	96.1 KY Owensboro, T40S, 96-STO, ID w/Evansville, Herderson, oohl a nice duct with a local off the air! Visited them on way back from WTFDA in Nashville, a friendly station too!	572
0145	WYNG	105.3 IN Evansville, calls, kS	582
0152	WSHW	99.7 IN Frankfort, Shine 99	436
Nothing else unusual in at all! Believe me, I checked!			
22 Tr			
0024	WLEV	96.1 PA Easton, a/c, calls	235
Same stuff as night before, minus the KY/IN, hi. Also on 93.7 was WQIO Mt. Vernon, Oh. WBZZ Pittsburgh, WDLs Dallas Pa., and WSTW Wilmington, Del. On 96.1 also CBCN North Bay, WFRG Rome/Utica, WVTV Pittsburgh. On 106.5 heard WHLM Blomberg, PA and WLTF Cleveland			
1800	CB--	94.3 ON Huntsville/Rosseau, new CBC English Mono network on the air // 740 AM 165.90 Es	
1900	WQVV	95.5 FL Ft. Pierce, fake legal ID	1098
	WLRO	99.3 FL Cocoa, Marlins BB game	1022
1928	WCTQ	92.1 FL Venice, Q82, kS	1116
AUGUST 1993 DX			
4 Es			
1459	KERA	90.1 TX Dallas, local wxS	1224
4 TrS			
2250	CHYR	96.7 ON Leamington, noted on with country over ph/CHYM. Calls heard	210



First of all, a big thanks to Doug Smith and Tom Bryant for hosting a wonderful convention!!! It was very well done, a feat that must be more difficult than it appears! I enjoyed the location (beautiful downtown view, surprising DXability for that spot too), the Saturday evening banquet, and meeting everybody. I think the total was in the upper 30s, the most I have ever seen at a WTFDA convention. And of course, a big thanks to Doug and Tom for ordering that super Sunday morning tropo, that really hit the spot, hi. It was quite shocking to turn on Matt Sittel's car radio only to hear KEGL 97.1 (Fort Worth, TX) blasting in! And KCWS 102.7 Merkel-Abilene, TX later that morning, and channel 60 San Antonio?!? Very nice! I am looking forward to attending next year's show, wherever it may be. Thanks again! I am really glad to have been there to witness that tropo, because there has been nothing at all tropowise here since mid-June! Even typical summer morning enhancement to Toledo, Detroit, Cleveland, Syracuse/Utica, etc. has been way off. The narrow Owensboro-Evansville duct on July 21 (Thank you WJYE 96.1 for being off! Suspect it was for installation of new W69CS Buffalo, a Jukebox station, on their Rand Building Tower), although being very nice, was the only thing of note at all! The weather has been conducive to tropo too-we had one stagnant period that lasted over a week, with no fronts or rain, just hot sticky weather (lower 90s/upper 80s, high humidity). Perfect trop weather, but nothing at all! On the other hand, May and June were cooler and rainier, and less stable, but more tropo?!? Skipwise, July was decent, though the latter half really slacked off, as it often does. In early August there remains signs that the season is not over yet. Overall for me, a decent skip year, many openings, and some of very good signal strength, but not very long lived. They would really get going, and then not long afterward, just fizzle out. I see other reports of strange reception on the day of my June 16th Mexico double hop, and that is just hours before KATU-2 was seen in Japan (reported to us in Mike Cherry's August WTVDX report!!! Thanks Matt Sittel, Dave Nieman, Saul Chernos, dBruce Hall, and Richard Contone for sending in logs)! 73, Greg



# VHF/UHF UTILITY DX



WEATHER - AIR - MARINE - PSB

BILL HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7

Deadline For Nov column: Oct 10

This month.. plenty of DX loggings! PSB from the Former Soviet Union! And AIR band DX tips!

But first.. DX reports..

## LOGGINGS

HANK HOLBROOK - 407 ARUNDEL RD - FAIR HAVEN CLIFFS - DUNKIRK MD - 20754

Rcvr: Sony AIR-8 Ant: ANI-8 whip

+ = initial CQ on 156.8

### MAY 1993 (EDT)

1 TR 0635 KRNJ 156.4 + NJ New Jersey Coast 100 SHIP SealandQuality  
(50 mi S of Ambrose Lt NY)

(see note # 1)

### JUNE 1993

14 TR 0720 NMY-15	157.1	+ CT NEW HAVEN	295 USCG Long Isld Snd
0812 NMY-42	157.1	+ NY MORICHES	260 USCG
0832 NMF-2	157.1	+ MA WOODS HOLE	370 USCG
0835 N	157.1	+ PA PHILADELPHIA	110 USCG
0836 NMY-52	156.8	NJ HIGHLANDS	185 USCG Sandy Hook
25 TR .... NMY-25	156.8	NY FIRE ISLAND	230 USCG
.... WHU-710	156.8	NJ Central N.J.	COAST Sea Tow

### JULY 1993

7 TR .... NMN-80 157.1 + VA HAMPION ROADS 105 USCG

Note # 1 - Most distant ship on VHF. Type of vessel - Container. 25 watts.

Good DX with fair to good signals. Powers generally 50 to 65 watts. USCG Philadelphia was strong. It's heard often at 1235 UTC. Sea Tow was calling a ship in distress.

## \*\* NEW REPORTER \*\*

BILL NIENAJADLY KF2OK - PO BOX 2999 - CLIFTON NJ - 07015

Rcvr: (Home) PRO-37 w/whip. (Work) Cobra SR-900 w/whip.

Recent ES on scanner was 42.12 Jefferson Co MD (MD State Pol ?). In fact, 42.12 is the #2 most rcvd here..over 15-20 times this season alone. 33.94 is #1 with being heard 20+ times this season. Sorry about the lack of call letters, I think 33.94 is FL. (Some FL Fire Depts are listed on 33.94, BH). Other freqs are 42.14, 42.16, 33.70 + about 25 others.

I've found the scanner a valuable "E-Skip Detector". At times at work I've found that when you start hearing 33.94, then 1/2 hr later 42.12, check the FM band; or better yet when you start hearing the lower powered police cars along with the base station, you know it's on FM or it should be. (Or at least TV, BH)

## VHF/UHF UTILITY DX

About NWS; my local is KWO-35 162.55 & its relay 162.475 is heard weakly (normally) from RIVERHEAD NY. I will get 162.475 from KINGSTON NY occasionally though. 162.40 from ATLANTIC CITY NJ (106 mi) is a common trop station.  
GOODXING, Bill N.

(Thanks for the intro to your Scanner DX setup Bill. On days when skip is slow (i.e.-not reaching TV or FM) - you may want to jot down some of your loggings & send them in. Trops would be interesting too. I may be able to help out with most of the call letters. I'm looking forward to seeing your future DX reports!, BH)

## \*\* ANOTHER NEW REPORTER \*\*

A.P. McQUEARY - 1901 RD B - REDWOOD VALLEY CA - 95470

Rcvr: Realistic PRO-43 w/whip.

LOCAL RECEPTION IN UKRAINE & RUSSIA..

### MARCH/APRIL 1993

#### UKRAINE

34.05	NFM	UKR KIEV	unid
41.4	NFM	UKR UMAN	POL Soviet Police
49.875	AM	UKR UMAN	CPH Toy Walkie-Talkies
126.8	AM	UKR KIEV	AWOS Kiev Airport
132.6	AM	UKR UMAN	AIR Uman Military Airport
149.90	NFM	UKR KIEV	MOBL Cellular Telephone Rptr
153.10	NFM	UKR KIEV	MANUF Factory
156.625	NFM	UKR ODESSA vcnty	SHIP
168.075	AM	UKR KIEV	TRANSIT Kiev Subway
460.0175	NFM	UKR UMAN	MIL Army Telephone

#### RUSSIA

118.9 AM RUS MOSCOW AIR Moscow ATC

Perhaps I am the first person to sneak a scanner into the (former) U.S.S.R. I do have to admit, I was nervous and worried about passing through customs.

While on my way to Kiev out of Newark, I met an agent from Copenhagen who worked for Hershey Chocolate Inc. I asked him if they had VHF/UHF receivers in his country, he told me that they do. I then explained to him I was attempting to sneak a Police Scanner into the former "USSR"! The gentleman quickly gave me some good advice. "Tell them, it's your portable cellular. They may take it if they don't believe you, or they might make you pay a duty. I would try to convince the officer that it is a cellular".

The plane landed in Kiev. I started to sweat, I didn't know what to expect. What would they do? Drag me off into a back room and interrogate me? Or would they confiscate my beloved PRO-43? To my surprise, they said nothing and asked nothing. The customs department simply X-rayed my luggage, and asked me if I had any gold or weapons. After my short conversation with the officer, I entered the C.I.S. with my scanner and all!!

(Quite an adventure, Albert! You must have been sweating buckets! By the way, from your description of what you heard on 41.4 MHz (break & enter, robbery, etc).. this would sound more like the local police rather than the "Soviet Police", which, I assume, no longer exist.

Interesting stuff!, BH)

UHF/UHF UTILITY DX

BRIAN WEBB - 3329 SILVER SPUR CT - THOUSAND OAKS CA - 91360-1041  
805-492-4263

Rcvr: Realistic PRO-2006 & PRO-2024  
Ant: 30 MHz h-dipole & 35 MHz sloping dipole

FEBRUARY 1993 (PST)

27 F2 0957 KCB-979 33.90 CT NORWICH 2568 FIRE

MARCH 1993

1 F2 1229	<u>KGB-313</u>	33.38	PA W BROWNSVILLE	2162	PETRO Columbia Gas
4 F2 1008	<u>KCB-460</u>	37.58	NH CONCORD	2590	UTE ConcordElectric
8 F2 1037	<u>KIT-797</u>	44.22	FL MIAMI	2356	TRANSPT Commercial
15 F2 1203	Lone Wolf	32.40	USA ?		MIL Army
25 F2 1020	Force Ctl	30.40	USA ?		MIL
	(aka Enforcement Ctl)				
29 F2 1025	<u>KPE-333</u>	35.50	MD or VA		PAG
30 F2 1142	SnakeBite	45.30	USA ?		MIL

JUNE 1993 (PDT)

8 ES 0952	<u>KPA-355</u>	35.24	TX NEW BRAUNFELS or SAN ANTONIO		PAG American Mobph
9 ES 0852	<u>KNDY-674</u>	33.30	NE HEARTWELL	1186	PETRO Natural Gas
	1042 <u>KKL-869</u>	49.58	TX SAN ANGELO	1081	IND Pool Company
24 ES 1051	<u>KKD-550</u>	33.30	OK GRAY	1025	PETRO Natural Gas

JULY 1993

4 ES 1303 ? 44.80 NM SANTA FE 730 CONSRU NM Fish/Game  
(calls KNAS-415 or KUE-717)

WILLIAM R HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7 (EDT)

Rcvr: Realistic PRO-2004  
Ant: v-dipole in attic

MAY 1993

6 GW .... XMJ-330 162.55 ON KITCHENER-WATERLOO 33 WX Xmtr @ Cambridge

JULY 1993

7 TR 0733	<u>CYQG</u>	134.5	ON WINDSOR	188	ATIS
	0752 <u>XMJ-830</u>	162.475	ON WINDSOR	193	WX
18 TR 0747	<u>XLN-600</u>	162.40	ON MOUNT FOREST	57	WX Xmtr @ Kenilworth (// XMJ-330 162.55)

TIPS FOR AVIATION BAND DXING

The UHF & UHF Aeronautical Bands present an especially challenging & unique form of DX for a number of reasons. Many DXers are disappointed in first attempts at DXing this band -- when some stations only 20 or 30 miles away may be difficult to receive. However..good DX can be had -- but you have to work hard at it.

If you think of how this band is used -- the reason behind all this becomes quite clear. The primary users, of course, are aircraft usually flying at 5..10..all the way up to 40000 ft. Now at 40000 ft., line of sight extends out to 265 miles! In order to serve a 40-100 mile radius of an airport, aeronautical ground stations require very little power. Most stations use only between 5 and 25 watts -- with 100 watts used by many of the longer-range enroute Navigation Aids with weather broadcasts.

UHF/UHF UTILITY DX

This month we have news on numerous new Weather broadcast stations that have recently hit the airwaves -- most of them AWOS stations (Automated Weather Observation Stations). More and more of these computer-accented robot stations are being installed at smaller airports everywhere. Expect to see some of these stations to start up in Canada in the next couple of years as well.

WEATHER RADIONEW STATIONS

XMJ-330 162.55 ON KITCHENER/WATERLOO (now on air!)  
XLN-500 162.40 ON MOUNT FOREST (KENILWORTH) (// XMJ-330 Kitchener)

MARINENEW STATIONS

162.40 BC NOOIKA (CMB // UAE 161.65 Tofino)

CHANGES

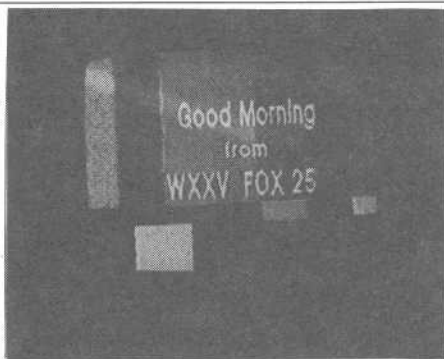
XLK-895 162.475 BC NADEN HARBOUR (CMB, UAJ Prince Rupert, ex-162.40)

AERONAUTICAL (AM mode)

NEW STATIONS		KSLC	127.525 UT SALT LAKE CITY - ATIS (Arrival)
PAMHM	135.55 AK MINCHUMINA - AWOS	KPBH	125.875 WI PHILLIPS - AWOS
KHII	119.025 AZ LAKE HAVASU CITY - AWOS (// HII 364 kHz)	CHANGES	
KCEC	133.875 CA CRESCENT CITY - AWOS	KGAD	127.825 AL GADSDEN - AWOS back in service
KAPF	134.225 FL NAPLES - ATIS	PAVD	118.8 AK VALDEZ - AWOS out of service UFN
PHSF	142.95 HI CAMP POHAKULA - BRADSHAW ATIS	KFLP	132.075 AR FLIPPIN - AWOS (ex-132.175)
PHNL	279.4 HI HONOLULU - ATIS (//127.9)	BSY	117.1 FL BISCAYNE BAY - VOR out of service UFN (MIAMI ATIS deleted, still on
KDNV	119.275 IL DANVILLE - AWOS		
K1H2	118.375 IL EFFINGHAM - AWOS	119.15	
KAXA	125.525 IA ALGONA - AWOS	KAPF	135.425 FL NAPLES - AWOS back in service
KAIO	127.825 IA ATLANTIC - AWOS	PHNL	127.9 HI HONOLULU - ATIS - delete 132.2
KADU	125.525 IA ALGONA - AWOS	SWL	112.4 MD SNOW HILL - VOR - delete NEW YORK Enroute-ATIS
KCIN	119.775 IA CARROLL - AWOS	ACK	116.2 MA NANTUCKET - VOR - delete NEW YORK Enroute-ATIS
KCNC	125.525 IA CHARITON - AWOS	KECS	128.575 MI ESCANABA - AWOS (ex-132.175)
KCCY	125.525 IA CHARLES CITY - AWOS	KBJI	119.275 MN BEMIDJI - AWOS (ex-121.375)
KICL	132.025 IA CLARINDA - AWOS	FGT	115.7 MN FARMINGTON - VOR/AWOS (LAKEVILLE AWOS added)
KCBF	126.575 IA COUNCIL BLUFFS - AWOS	KJHW	118.425 NY JAMESTOWN - AWOS (ex-118.175)
KDEH	120.925 IA DECORAH - AWOS	PWA	113.4 OK OKLAHOMA CITY - VOR - delete WILEY POST ATIS
KFFL	132.025 IA FAIRFIELD - AWOS	KLBE	118.375 PA LATROBE - ATIS/AWOS (ex-AWOS only)
KK27	120.925 IA FORT MADISON - AWOS		(ATIS while tower open, AWOS when tower closed, WH)
KEOK	118.375 IA KEOKUK - AWOS	PSB	115.5 PA PHILIPSBURG - VOR - delete NEW YORK Enroute-ATIS
KOXV	119.775 IA KNOXVILLE - AWOS	BKX	108.8 SD BROOKINGS - VOR/AWOS (AWOS back in service)
KLJR	125.525 IA LE MARS - AWOS	LEM	111.4 SD LEMMON - VOR out of service UFN
KOLZ	119.675 IA OELWEIN - AWOS	RND	112.3 TX UNIVERSAL CITY - VOR/ATIS (RANDOLPH ATIS added - on irregular basis only for student training // 271.8)
KORC	127.825 IA ORANGE CITY - AWOS	KVJI	128.125 VA AVINGDON - AWOS (ex-127.725)
KROK	119.775 IA RED OAK - AWOS	DELETIONS	
KSHL	119.775 IA SHELDON - AWOS		
KSLB	125.575 IA STORM LAKE - AWOS	HYA	114.7 MA HYANNIS - VOR
KAWG	127.825 IA WASHINGTON - AWOS	CYTS	125.4 ON TIMMINS - ATIS (never on air?)
KEBS	127.825 IA WEBSTER CITY - AWOS		
KI26	128.175 KY HENDERSON - AWOS		
KHVC	132.575 KY HOPKINSVILLE - AWOS		
KFDK	124.875 MD FREDERICK - AWOS		
KMSP	272.75 MN MINNEAPOLIS/ST PAUL - ATIS (// 120.8, 135.35)		
K4SD	135.175 NV RENO - STEAD AWOS		
KBWP	127.875 ND WAHPETON - AWOS		
KAXV	128.325 OH WAPAKONETA - AWOS		
KPWA	132.75 OK OKLAHOMA CITY - WILEY POST ATIS		
KOK78	134.175 OK WATONGA - AWOS		
KWWR	118.425 OK WOODWARD - AWOS		
KOAS	135.675 TN ELIZABETHTOWN - AWOS		
KFYM	135.275 TN FAYETTEVILLE - AWOS		
KLUG	135.775 TN LEWISBURG - AWOS		

Robert Delaney (KA9UVY) - Mt. Vernon Illinois. Equipment: 1990 Zenith 13" color SS 1311W, Emerson 885 VCR. Antennas, UHF Archer U120 at 87' AGL with RDX Labs UA 900 preamp and RG-11 coax; VHF rotateable vertical dipole at 25' AGL for E-skip and Channel Master 3608 at 55' AGL. Camera, Pentax K-1000 loaded with Kodak Gold Plus 200 ASA film.

**WXXV-25**  
Gulfport Mississippi  
  
550 mile tropo  
  
seen September  
12, 1992  
  
at 0523 CST



**WTVJ-4**  
Miami Florida  
  
1007 mile E-skip  
  
seen May 13, 1993  
  
at 2000 CST



Thanks for  
the photos  
Robert.

NEW  
REPORTER

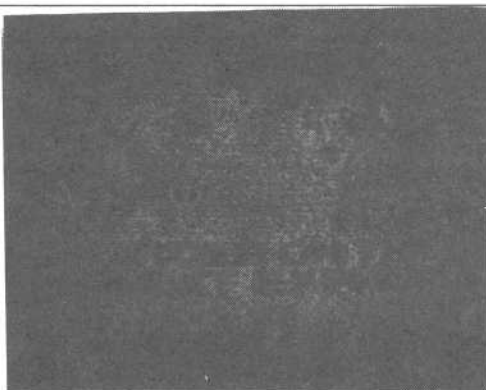


Richard  
Contone  
Jamaica  
New York

Equipment:  
VHF-UHF  
combo  
antenna  
and Vivitar  
DL-50  
camera.

**WPVI-6**  
Philadelphia  
Pennsylvania

77 mile tropo  
  
seen June  
12, 1993  
  
at 2230 EDT

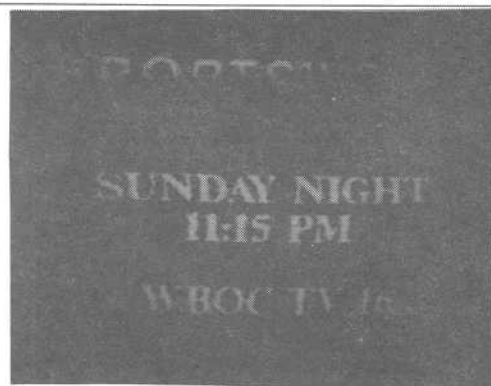


Rich's photos continues on page 2.

Richard Contone's photo file continued....

**WBOC-16**  
Salisbury  
Maryland

170 mile tropo  
  
seen June 12, 1993  
  
at 2230 EDT

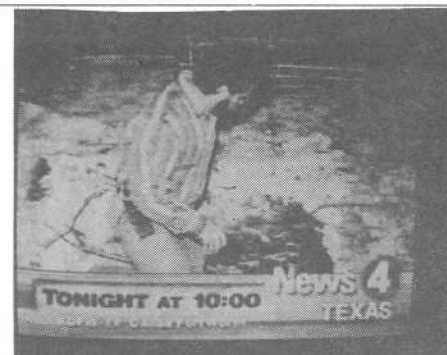


Rich thanks for the photos; if you can change your cameras shutter speed to 1/30th of a second it should eliminate the black bar in your photos.

Rocky Robello-Pocatello Idaho. Equipment: RCA 35" color TV, Goldstar Hi-Fi VHS VCR, Radio Shack VU-90 antenna up 20 feet with rotator. Samsung AF Slim camera loaded with Kodak Gold 200 film.

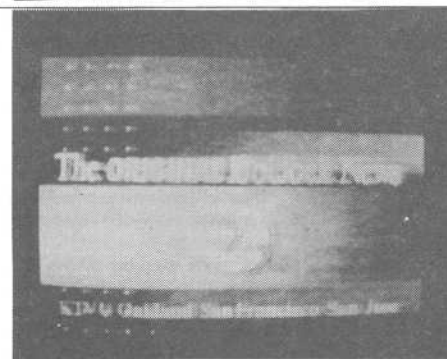
**KDFW-4**  
Dallas  
Fort Worth  
Texas

1050 mile E-skip  
  
seen June 29, 1993  
  
from  
1948-2015 MDT



**KTVU-2**  
Oakland  
San Francisco/  
San Jose  
California

600 mile E-skip  
  
seen June 29, 1993  
  
from  
2020-2031 MDT



Nice to hear from you again, Rocky.

Till next time, *DNE*

# Distance Calculation by Computer

Several people asked at the convention how I calculate the distances to DX stations logged. The short answer is, by computer. The long answer is the program below...

```
5 KEY OFF:ON KEY(10)GOSUB 1000:KEY(10)ON
10 PI=3.14159265#:DR=PI/180
15 CLS:PRINT "DX Calculation Program; F10, then Enter when one."
20 DEF FNA(X)=INT(X*10+.5)/10
100 PRINT "Your location:";GOSUB 800
110 HN=N:HE=E
200 PRINT "DX station:";GOSUB 800
210 GOSUB 2000
220 PRINT "Distance=";FNA(DX),"mi.; Bearing=";FNA(AZ/DR);"°"
230 GOTO 200
800 INPUT " Latitude Deg., Min., Sec. (separate with commas):";T1,T2,T3
810 INPUT " North or South:";TS
830 N=(T1+(T2/60)+(T3/3600))*DR
840 IF LEFT$(TS,1)="S" THEN N=-N
850 INPUT "Longitude Deg., Min., Sec. (separate with commas):";T1,T2,T3
860 INPUT " East or West:";TS
870 E=(T1+(T2/60)+(T3/3600))*DR
880 IF LEFT$(TS,1)="W" THEN E=-E
890 RETURN
1000 END
2000 CO=COS(HE-E)*COS(HN)*COS(N)+SIN(HN)*SIN(N)
2010 CA=ATN(ABS(SQR(1-CO*CO)/CO))
2020 IF CO<0 THEN CA=PI-CA
2030 DX=3952*CA
2040 SI=SIN(E-HE)*COS(N)*COS(HN)
2050 CO=SIN(N)-SIN(HN)*COS(CA)
2060 AZ=ATN(ABS(SI/CO))
2070 IF CO<0 THEN AZ=PI-AZ
2080 IF SI<0 THEN AZ=-AZ
2090 IF AZ<0 THEN AZ=AZ+2*PI
2100 RETURN
```

Lines 2040-2090 are required only to calculate the bearing; if you're only interested in distance, you can leave them out. (you'll then also need to modify line 220 appropriately) Also, if you want distances in kilometers, change the number in line 2030 from 3952 to 6367.

The "meat" of this program is the subroutine between lines 2000 and 2100. This can be used in other ways-- with a calculator, to manually calculate distance & bearing; for spreadsheet formulas or calculated fields in a database of FM/TV stations; or as a basis for converting the program to other computer languages. (or for making this BASIC program more "user-friendly"! I've already written a Windows version of the program, and placed the formulas into a MS-Works spreadsheet.

If you've never used the BASIC in your IBM/compatible before, here's how to enter this program: First, you need to get a C:\> prompt. From Windows, go to the Main group and double-click on MS-DOS Prompt. If you aren't using Windows, you're on your own... Type GWBASIC and press Enter. A (mostly) black screen should come up. Type in the numbered

program lines as they appear above. When you've finished typing, press F2 to run the program. Check that it works, by calculating the distance/bearing to some stations that you know the distance to. (your locals will work.) If there's a problem, most likely you mistyped something; double-check what's in your computer against this article.

Once you're satisfied that the program is working, make one change: change the word END in line 1000 to SYSTEM. This will cause the program to return to the C:\> prompt when done, rather than returning to the BASIC screen. Then, save the program: press F4, type DXC (or whatever other name you want to give the program), and press Enter. Now, to run the program in the future, get a C:\> prompt, type GWBASIC DXC, and press Enter.

This program is based on program 5.2 in the book *Amateur Radio Software*, by John Morris GM4ANB. The book is published by the Radio Society of Great Britain, and should be available through the ARRL, 225 Main St., Newington CT 06111, or call 203-666-1541. Better-equipped ham shops probably also have it. This book has a number of programs relevant to the FM/TV DXer, including troposcatter path loss calculation, MUF calculation (for F2 skip), antenna and circuit design aids, satellite location, crude recordkeeping programs, and even a simple electronic circuit analysis program! Also included are tips on converting BASIC programs from the rather generic "dialect" used in the book to whatever version your computer uses. If you have a computer, I highly recommend that you check this book out!

Of course, once you have the program, you need a way to find out what the DX station's, and your, geographical coordinates are. For your own coordinates, the most available solution is a US Geological Survey topographic map; these are available for all areas of the USA and show geographic coordinates. Try looking up the USGS in your phone book. (unfortunately, I don't have any more details, as I've never had to use one of these maps!) A second choice, and one I recommend if you live in one of the states covered, is the *Atlas and Gazetteer* by DeLorme Mapping Co., 800-227-1656. These are currently available for about 15 states, and contain topographic maps of the entire state, plus virtually every road & street. Besides locating your coordinates, this Atlas will help you in finding your local stations, that little-known fishing hole, whatever... A third solution, and the one I'm using here, is to pick a local broadcast tower within a mile or so & look up its coordinates, and use them.

Finding the DX station is another problem. For FM, the only answer I know of is the official FCC database. My copy was purchased from Buckmaster Publishing, 703-894-5777, as part of their *HamCall* CD-Rom. Some computer "massaging" of that raw data is necessary. For TV, the HamCall CD works; so does the *Television Factbook*, available at most libraries.

I've written two "embellished" versions of the above program, one for DOS (which allows batch processing of large numbers of DX stations, just the thing for that mega-Fs opening..) and the other for Windows. I'll send a 3-1/2" 720K floppy with both programs and a Microsoft Works spreadsheet with the same formulas in return for a disk mailer (no disk required-- I've got a lot of used 3-1/2" disks) with return postage, or \$1. I can also provide 360K or 1.2MB disks, but you'll have to send a blank disk along with your mailer.

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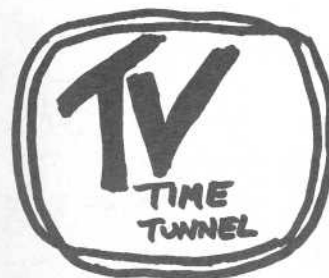
# MURPHY'S LAWS (of DX)

By John F. Combs N4SFS

Having DXed a lot of TV and some FM since 1972 or so, I have discovered that there are a lot of absolute laws that apply to the hobby, and I'd like to share those with you. This is not by any means an exhaustive list, and I welcome additions!

JOHN

- Signal strength will always fade during an ID...
- If a visual ID is given, the actual ID will be in the smallest type font available while any useless information is in letters 2 feet high...
- If an aural ID is given, the announcer will be suffering the effects of (a)a hangover, (b)a novocain shot, or (c)loose bridgework...
- No matter how long you wait for a local break on a mystery station, it will only occur when you are on a bathroom break... (MORAL: A large Mason jar kept at arm's reach in the snack will save many loggings!)
- A little-known FCC regulation allows stations to ID during DX openings only if they feel like it...
- All-night DX openings will only occur on the eve of a critical day at your job...
- If you attempt to phone a station to confirm a logging, you will invariably wind up talking to the station employee with the lowest I.Q....
- Don't bother confirming that once-in-a-lifetime logging. No one will believe you anyway...
- A potential DX station will always change its schedule the week after you obtain a TV Guide from that area...
- Any piece of electronic equipment has a mind of its own -- and it doesn't like you...
- If a piece of electronic equipment fails to function properly, turn it off, wait 24 hours, then turn it back on. Chances are it'll work fine... (This is the principle known as "FM": "f---ing magic")
- An antenna dropped from a tower or rooftop will fail in such a way as to do the maximum possible damage...
- The lower the overload threshold on your pre-amp, the greater the chance that mass quantities of new locals will soon sign-on...
- If there is even one open TV channel left in your area, TBN will find it...
- If your 24-hour, 365-day local goes off the air unexpectedly, you can be assured that there will be nil propagation at the time...
- If there is a CBER in the area running a linear, you will be blamed by neighbors for the resultant interference...
- The best situated neighborhood for DX in your city will invariably have deed restrictions prohibiting outdoor antennas...
- Mexican, Puerto Rican, and (especially) Cuban Spanish bear no relation to any Spanish you may have learned in school -- they are impenetrable polyglots consisting of 50% regional slang and 50% pure gibberish...
- The same identical patterns on the weather map that produced that super-tropo will never, ever produce an opening again...
- A DX station that you have been trying to snag for years will be logged on the first try by the new snot-nosed teenage DXer in the club, using a coat hanger and aluminum foil...
- Non-DXing friends will always show up at your door, uninvited, during a big opening...
- If you cohabit with a wife, girlfriend, or parents, they will never, ever understand your interest in DXing -- nor will they ever WANT to...
- Attempting to explain your hobby to non-DXers will always result in your being branded either a pervert, a Communist, or a candidate for the Psych Ward...
- If you forget to remove the erase-protect tab from your DX tape, within 24 hours another family member will use it to tape "All My Children"...
- All treatises, theories, and articles aside, no one REALLY understands DX -- it is akin to acupuncture, voodoo, and black magic...



PREPARED FOR THE WTTFA BY TOM BRYANT, 849 TODD PREIS DRIVE, NASHVILLE, TN 37221; 615-646-2000. OK, you're right, this is what a lot of folks call a 'no-brainer'; but your column editor thinks he's entitled to a bit of comic relief after co-hosting the 1993 convention. Besides, I suspect most of us have been victims of overconfidence more often than we would like to admit.

## Mr. Customer Fixes His Own TV Set

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