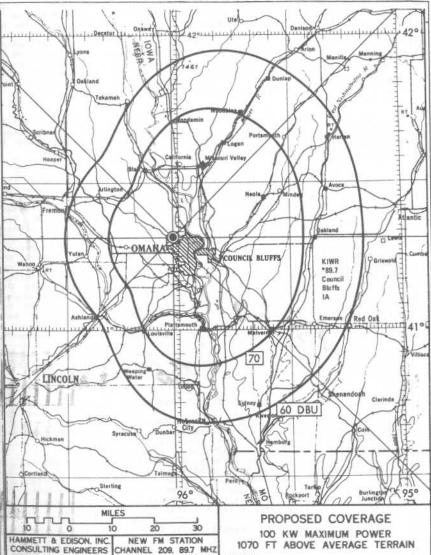
MAY 1990

COUNCIL



BLUFFS. IOWA 790620

The Official Publication of the Worldwide TV-FM DX Association

# POST OFFICE BOX 514-BUFFALO, NY14205-0514-U.S.A. WORLDWIDE TV-FM DX ASSOCIATION

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clas S D

WILLIAM N NOLLMAN 35 NYE GLASTONBURY 06 ROAD 9 06033

# FromTheSTAFF

GET READY FOR ANOTHER E-SKIP SEASON!...Yes, May marks the start of the spring-summer E-skip season for TV and FM DXers everywhere. Perhaps it's just getting started as you're reading this -- or maybe it won'th show until the very end of the month. VHF E-skip is well known to be just what it is -- sporadic. The unpredictable nature of Es is what W makes DXing it such a thrill for most enthusiasts. Remember to start checking channels 2 through 6 in the morning periods. Early season Es frequently appears out of nowhere. climbing rapidly to channel 6--or into the FM band if we're lucky--in a matter of minutes. A great E-skip season could be on the way, or it may be mediocre, or even? poor. No-one really knows--but we all find out soon. Stay tuned!

REGISTER EARLY...Just a reminder for those of you who tend to be to 12 caught up in the E-skip season to remember the date. Host Mike Wimer wants to hear from you by June 15th! Info on the August Manassas. VA 15 1990 WTFDA Convention appears on page 14 of this issue.

VOLUNTEERS WANTED...In fact, we're always looking for help from qualified members. Currently we need people to fill several important positions: CLUB SUPPLY MANAGER--this person ships supply orders to members (mostly back issues). It requires a responsible individual who can store and ship back issues (usually via USPS) on demand. This has been handled by numerous members over the past few years, most recently by Ron Stock. MEMBERSHIP SURVEY COORDINATOR--preferably someone with a background in statistical analysis who will receive copies of a survey form to be published in the VUD and interpet the data, compiling it for an article to be published in the VUD (We actually had a volunteer to do this, but he apparently lost interest and dropped out of the club). VUD EDITOR--the member responsible for putting together ("laying out") the VUD each month. Bill Thompson has been doing this job since 1988, but also is club publisher, and has other club duties -- too many hats for one person to wear. Please help us out. If you'd like to do any of these jobs, drop us a line. If you have a serious interest in the DXing hobby, have been a member for at least a couple of years, and are genuinely interested in volunteering your time (necessary expenses are compensated), let's hear from you. WTFDA depends entirely on it's volunteers. Don't let these needed tasks go unperformed!

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Thanks to Bruce Elving for another great coverage map cover.

336 ATLANTIC ST BRIDGETON NJ 08302-2525

ABBREVIATIONS USED IN THIS COLUMN: AATm Height (meters) above average terrain Antenna height above ground Antenna height above sea level AZ Azimuth (North=0°) Ream Tilt CIR Circular polarization CP Construction permit CRTC Canadian Radio-television and Telecommunications Commission Directional antenna ELL Elliptical polarization Effective Radiated Power FCC Federal Communications Commission (USA) HOR measured along a horizontal plane MAX In the direction or elevation of maximum signal strength

Construction permit modification Transmitter or tower location

carrier frequency offset 10 kHz above standard carrier frequency offset IO kHz below standard

carrier frequency not offset

#### COMSTRUCTION PERMITS GRANTED

ST CH ERP AATM CITY/APPLICANT AL 60 1500 374 Dothan; Marcum Broadc'ng Corp. AZ 46 100 701 Green Valley; Sungilt Corp. CA 32 1333 509 San Francisco: Minority Television Project NM 3 24 31 Gallup; KOAT Television

#### APPLICATIONS DISMISSED

VA Charlottesville; ch. 64; Achernar Broadcasting; Lindsay Television Inc.

#### APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST CH ERP AATm CALLS CITY AZ 46 4857 621 K... Green Valley (Sungilt) GA 64 52 185 WGNM Macon

OR 28 391 276 KZJD Eugene

#### CONSTRUCTION PERMIT MODIFICATIONS (THE REP (M) DRIFT THE ICH

ST CH ERP AATM CALLS CITY MI 53 933 297 WLAJ-TV Lansing VA 14 4470 219 WTMW Arlington

#### CHANGES GRANTED STATIONS ON THE AIR

substantial increase in coverage area. SC Charleston; WITV, ch. 7; granted CP (evidently a 4-year old permit must have expired) to raise ERP from 310 kw ERP to 316 kw max ERP; raise antenna height 247 meters higher ASL to 564m AAT/560m AG/565m ASL: TL 5.5 km northeast of Ten Mile, South Carolina, east of Route 17-701, southeast of the intersection with Sewee Road, Charleston County; coordinates 32°55'28"/79°41'58" (Az. 43°, or northeast, 12.11 miles from present TL); DA BT. TX Fort Worth; KXAS - TV, ch. 5; granted license to cover CP for changes. This application was made in early 1989, and I had no record of the permit being granted. ERP unchanged at 100 kw max; 514m AAT/456m AG/703m ASL (43 meters higher ASL); TL 1.8 km west of the intersection of Belt Line Road and Route 67, Cedar Hill, Texas; coordinates 32°35'15"/96°57'59" (0.6 mile east of former TL). Don't look for any change in signal strength.

#### CALL LETTER CONTRACTOR OF THE SET . IN THE DOT STATIONS

ST CH CALLS CITY/APPLICANT PA 53 WILF-TV Williamsport: WDZA

#### CALL LETTER GRANTS: EXISTING SHOTIONS

ST CH CALLS CITY/APPLICANT AZ 12 KPNX Phoenix; KPNX-TV

#### MEM STATIONS ON THE AIR

AK Anchorage; KYES, ch. 5z, went on the air 1/21/1990; 5.9 kw ERP; 250m AAT/18m AG/178m ASL: Information relating to antenna height is defective; TL Stuckagain Heights, Anchorage; coordinates 61°09'57"/149°41'02"; BT; independent station; address: Fireweed Television, 3700 Woodland Park DR, Suite 600, Anchorage AK 99517.

#### IF ID IR IJ IM

I mentioned on past occasions that certain little hands in my household love to mess with the mail before 1 get my paws on it. I'm certain that I caught a glimpse of a postcard addressed to me with blue lettering in the mail on March 12, but I never saw it again. However, I did manage to find a postcard from Paul Gaines dated 10/21/89 while rummaging through the kitchen drawer for a pair of scissors.

The 1/9 Philadelphia Inquirer had this article on the FCC's action concerning its policy of favored treatment to women and minority ownership of broadcast stations. "A Supreme Court increasingly skeptical of affirmative action programs agreed yesterday to decide whether the federal government may give favored GA Macon; WAWA-TV, ch. 14; granted CP for treatment to radio and television companies owned changes; raise ERP from 1450 kw max to by minorities and women. The justices accepted 4900 kw max; 616m AAT/240m AG/942m ASL the opportunity to clarify their views presented (474 meters higher); TL 9 km west from by two cases - one from Florida, one from Waleska, Georgia; coordinates 34°18'47"/ Connecticut - in which different three - Judge 84°38'55" (Az. 87°, or east, 33.07 miles panels issued conflicting rulings. One panel from present TL). This should make for a decided that women and minorities could get

favored treatment; the other concluded that such Japanese have made it clear they will change preferences unconstitutionally discriminated MUSE to make it compatible, and they have even against white men. Both cases raise a question shown prototypes that achieve that goal." of whether preferences based on race or sex may be justified by the federal government's DE, is now operating as a LPTV rather than goal of fostering diversity in broadcasting."

complained that it was edged out by the Rainbow shows, with weekend basketball." (Technically, television station in Orlando because of the gives translator operators the freedom to [FCC's] preference for ownership by minorities operate much like a LPTV, -wbf) Rainbow's ownership by two Hispanic women and a satellite feed with no ID or any other local favor."

Supreme Court says on the subject.

prediction from the 2/11 Star-Ledger, sent by already-weak channel 35 was. -wbf) BILL NIENAJADLY (Clifton NJ): "High-definition DEBRA LEE OLIVER (Pensacola FL, the only city set in Europe in the fall.

current Japanese standard. But Thomson says heavy use. -wbf) the set will, in fact, show HDTV pictures. Debra got a chance to hear him lecture at the broadcast or recorded under two other University. "He spoke briefly on TV Marti. Said formats - the Philips HD-NTSC (for the United they will begin testing in 'a month or two' and it States and Canada) and the European HD-MAC will be relayed from a balloon. 'sort of like the system. The Thomson set has a screen that is Goodyear Blimp' and would be aimed at Havana. much wider than normal sets, in a shape like that No news on what channel. I asked what the YOA used in wide-screen theaters. Thomson says the and/or the government planned to do if Castro set has a resolution of 1,250 lines, which is two carried out his threat of jamming Miami stations to three times better than the best non-HDTV if TV Marti goes on & he said that Castro sets in use now."

"At present, the primary Japanese system- & they would just have to wait & see." called MUSE-is incompatible with regular TV sets "If you happen to know who has a directory or the Philips and HO-MAC systems used by on low power TV stations I'd like to know,

JOHN ZEIS (Exton PA) writes, "W1486, Newark, translating WGCB, Red Lion. Format remains about "In the Florida case, Metro Broadcsting, Inc. the same - religious and family entertainment Broadcasting Co. in 1983 for a license for a new W14BG is licensed as a translator, but the FCC

and women." (Referring to WRBW, ch. 65, not yet | "In Philadelphia, a new mystery LPTV has signed on the air. -wbf) "The FCC acknowledged that on on channel 42. It carries the Univision Hispanic man probably tipped the balance in its break seen. Also, I cannot find any record of CP being granted for this station. Based on "But in the Connecticut case, a federal appeals direction and signal strength, 1 suspect the panel cited the same Supreme Court decisions (on transmitter is located in the Roxborough (Phila) affirmative action -wbf) to support the opposite antenna farm. Ch. 42 appears to have replaced conclusion - that FCC preferences improperly W35AB, Phila, which translated NY Univision station discriminate against whites. At issue was the WXTV, rather than the direct network feed. FCC's 'distress sale policy,' which permits W35AB has not been seen since ch 42 was first broadcasting stations facing revocation of their seen the week of Feb 19." (Sounds to me like licenses to sell their licenses to minority-owned W35AB is operating on ch. 42 under STA (Special firms. The panel ruled 2-1 that the FCC Temporary Authorization) until it can get a permit unconstitutionally discriminated against Alan to change to channel 42. As for replacing WXTV Shurberg, who is white and operates Shurberg with a satellite feed, remember that it would be Broadcasting of Hartford, Inc., in his effort to impossible for a translator to pick up channel 41 obtain a license for a Hartford television and rebroadcast it on channel 42. W61AN itself station. The FCC rejected his application in had been operating on channel 14 for a few 1984, instead allowing the station's owner, Faith years before becoming W1486. - wbf) "DX'ers Center, Inc., (Of course we all remember WHCT-18, should note there are now two east coast ch 42 Dr. Gene Scott and his mechanical monkeys, don't Spanish LPTVs. In addition to the Phila Univision we? - wbf) to sell to the minority-controlled outlet, W42AJ in Washington DC transmits the Astroline Communications Co., Limited Partnership." other network, Telemundo." (I can confirm that So now we wait and see what the United States there is a Spanish channel 42, and that W35AB is no longer coming in on channel 35. The channel From the Great American Dream Machine, this 42 signal seems to be much weaker than the

television is almost here. One of the biggest in the United States to have a soft drink named manufacturers is planning to introduce an HDTV after it) sent in an article from the 3/6 set in the United States and Canada this year, Pensacola News-Journal discussing the changes in according to sources within the electronics the Voice of America to adapt to the changes in industry. These sources say the set will be sold eastern Europe. The report was prompted by a as an RCA and will cost about \$5,500. It visit by Richard Carlson, its director since 1986, reportedly will come from Thomson, the new owner at the University of West Florida. "Television of the consumer electronics division of RCA and Marti, a VOA-sponsored broadcast to be aimed at General Electric. Thomson, a French company, Cuba, will try to add to the knowledge of Cuban already has indicated that it will sell a similar citizens as Radio Marti has since 1985." (According to recent newspaper articles, TV Marti "Technically, the Thomson set is on the began broadcasting in late March. But nobody is borderline between regular television and high- saying what channel it is operating on. My guess definition televisions, since it was not designed would be that it is on an unused UHF channel, to show the HDTV pictures created under the since the VHF channels in Cuba are already in

threatened the same before Radio Marti went on

Thomson and other European companies. But the recently picked up a new one (station, not

directory. -wbf) on channel 50 showing all tourist construction permit file BMPCT - 890606KG was Panama City, Florida area."

JOHN COMBS (Jacksonville FL) reported that independent station WBSG-TV, ch. 21, Brunswick GA (Likewise; let me correct the 3/90 column, in that was testing with 3/4 CBTP on 3/29, and began 691' should have been 691m. -wbf) regular programming on 4/2.

Now for that postcard from PAUL GAINES (Detroit MI). He mentioned that Channel America was seen listing its LPTV stations on the screen:

- 29 Cleveland OH
- 62 Columbus OH
- 8 Glen Falls NY
- 20 Philadelphia PA (I haven't seen it. -wbf)
- 55 Huntington WV
- 40 Carlisle PA
- 14 Syracuse NY
- 18 Syracuse NY
- 13 Minneapolis MN
- 13 St. Louis MO
- 33 Des Moines IA
- 31 Marshalltown 1A
- 68 Raleigh NC 68 Norfolk VA
- 15 Oneonta NY
- 61 Gloucester VA
- 7 Fort Meyers FL

has any plans on increasing its power.

its government station, CBC-TV in Bridgetown. A programs which he had nothing to do with note taped to it reads, "CBC TV Channel 9 is selecting and the hostility of an audience who state-owned and full-colour. The station carries doesn't understand why he is doing it. I do feel CNN's newswatch in the mornings. Subscription that if preservation of local over-the-air is available on Channels 14, 18, 22."

The station operates 5:40 a.m.-1 p.m. and 4-11 interest." p.m. weeknights (to 12:42 a.m. Friday night), 8 a.m. Lastly, we come to the Pacific Coast, with news names are unfamiliar, possibly locally produced.

channel 9. The NATVDB and earlier references protection under Chapter 11 of the federal had it previously on channel 3.

to what I was told earlier, both ch 62 (W62BD) against the corporation and the station are and LPTV ch 7 (K07UI) will be carrying the Value placed on hold until a court-approved plan is Vision International 'network' this spring on a 24 worked out to reorganize the firm and pay hour basis of selling stuff. Also claim outlets creditors." to be in Cleveland, Detroit, Chicago, Boston, "[Michael] McKinnon Eminority shareholder of

McCORMACK (Fargo ND) writes, "I have a few equipment he owns, if a deal to purchase the observations on the New Stations on the Air university's shares fails." portion of your March 1990 column:

application to which I referred. -wbf)

stories (ads for restaurants, resorts) in the granted 07/26/89 (6.0 kw 2267t/145g/6579s). This is the application which you referred to and I presume describes the operating facility."

> "SD Rapid City; KCLO-TV; ch. 15-: This replaces Midcontinent's K15AC. KCLO-TV is listed on KELO-TV ID slides along with KDLO-TV and KPLO-TV, but apparently is not a true satellite. Television Factbook lists a studio address and mailing address for Rapid City. A review of TV Guide shows that some 'KELO-TV' syndicated programs are run simultaneously on KCLO-TV, but network programs are shifted to fit Mountain Time status.

> "Sorry to see you offended Jeff Kadet. I'm sure your mention of the other TV Guide dealer was quite innocent! My personal opinion on commercials in the VUD is that they belong in a distinctly separate section, although not necessarily paid for.

"Also, I don't think Albert Lobel has to worry about the FCC blocking distant signals at his antenna. The 'communists' trying to block his television signals are of course 'capitalists' trying to protect their investment. I'm sure Mr. Lobel would feel differently if he were a local Paul also questioned why the NATVDB reported broadcaster who had paid a premium for program KUSK-7 (Prescott AZ) as being a weak station. exclusivity in the San Diego market only to have That's what it is, and I don't know if the station a cable operator nullify it without paying any premium at all. That is not to say that I am not JOHN EBELING (Bloomington MN), who recently sympathetic toward the cable operator faced with returned from Barbados, sent a TV schedule from the complicated task of removing individual Television (STV) has recently been introduced and television is in the public interest then syndication exclusivity is also in the public

-11 p.m. Sunday, and 9 a.m.-12:40 a.m. Saturday. about California. Buffalo BILL THOMPSON (Buffalo Broad mixture, some CBS programs, old syndies, NY) forwarded an article from the 1/26 San soaps, cartoons, movies, educational, cultural, Diego Tribune about KUSI-TV, ch. 51, San Diego news, religious, and several programs whose CA: "University Television Inc., the parent corporation behind debt-ridden KUSI-TV. Channel It's interesting to note that CBC TV is now on 51, has filed for financial reorganization and Bankruptcy Act." "KUSI-TV will be allowed to John writes, "Locally in Mpls/St. Paul, contrary continue operating, but all creditor actions

Kansas City, San Diego and Oklahoma City as well University Television), in a Superior Court lawsuit, as Mpls/St. Paul. Therefore, ch 7 will not carry is demanding immediate payment of more than \$6 KTMA-23 programs as I was informed previously." | million in loans, and threatened to force KUSI Next we come to the Great Plains. FRED off the air by seizing its transmitter and other

JIM PIZZI (Paso Robles CA) sent an article "NC Morehead City; WFXI; ch. 84: Modified from the 2/1 Bakersfield Californian about construction permit file BMPCT-880907 was another bankrupt television station. "The owner granted 03/16/89 (817t/810g/817s). This is the of an Oxnard television station wants to application which you referred to and I presume negotiate to buy KDOB-TV Channel 45 in describes the operating facility." (Fred's antenna Bakersfield, thereby offering competition to the heights are in feet. This is the same as the controversial proposal by country singing star Buck Owens to buy the station owned by his "OR Klamath Falls; KDKF; ch. 31z: Modified sister, Dorothy Owens. Riklis Broadcasting Co., under Chapter 11 of the federal bankruptcy I think, -wbf) codes - that it has renewed earlier attempts to buy KDOB."

addition to Buck Owens comes at a time when and Sundays, they run 'Praise the Lord' from Ebankruptcy attorney Bruce G.J Landau has TBN, complete with TBN's fundraising appeals and postponed a bankruptcy hearing that was the TBN phone number on the screen. LPTV's scheduled for Jan. 25 involving the proposed running Family Channel might be mistaken for sale of KDOB to Buck Owens, and the pendency of TBN's at these times. The Parry Sound station is four separate objections to that sale before not one of their low power ones. It was the [FCC] in Washington, D.C. The bankruptcy mentioned in a VUD a while back." hearing is now scheduled for Feb. 28 in Fresno.

broadcasting in Bakersfield.... Those four residents of Parry Sound region." stations have alleged in petitions before the FCC collaborated since the beginning of KDOB to television network. "After a four-year legal a radio and television station."

group of minority business people." "What the third national television network." commission did here was agree with the review "Having won the contest for Global, Asper is reasons would not be in the public interest."

hard to find."

#### FORUM CANADA

There has been very little news from north of "Under Asper's plan, the individual stations time I heard from Walter Patton was quite a while broadcast local programming—and would pool their ago, and even then he had very little to report. resources to create more ambitious programs for

television

the owner of KABY-TV, Channel 63 in Oxnard, has they were going to improve their coverage/ informed the U.S. Bankruptcy Court in Fresno - service. Then I read of their plans to reduce where KDOB has filed for financial protection power. What gives?" (11's called show business,

Interesting thing noted on Family Channel (The U.S. CBN one, not our station using the same "The disclosure of an interested buyer in name); between 0300 and 0500 ET on Saturdays

From the 3/90 TVO Signal "From Friday, 23 "Those objections were filed in late December February, TVOntario is transmitting the TVO and early January by four television stations network signal on UHF channel 42 to the

From the 2/5 MacClean's, an update on Izzy that Dorothy Owens and Buck Owens have Asper's attempts to create a third national enable the station to be sold to Buck Owens. struggle, Israel (Izzy) Asper and his estranged The FCC petitions by the four stations say Buck partners, Paul Morton and Seymour Epstein, Faced Owens, who owns Bakersfield radio stations KUZZ each other in a Winnipeg boardroom at 9:30 a.m. AM-FM, would normally be precluded from buying a on Dec. 14 for a winner-take-all play for Global television station in the same town, but he could Communications Ltd., owner of the lucrative Global obtain FCC approval to rescue KDOB from a television system. Refereeing the contest for bankruptcy action. The four television stations the Ontario-based TV network was a court said they are concerned with the economic clout official equipped with a hand-held stopwatch to Buck Owens would have in competing for limited ensure that neither side exceeded the 30-minute advertising dollars if he were able to have both time limit for bids. Morton and Epstein opened at \$125 million. The ante was raised 14 times over RANDY MILTIER (San Jose CA) sent this article the next 70 minutes. Then, at 10:40 a.m., Morton from the 2/10 San Jose Mercury News about and Epstein dropped out, leaving a surprised, educational stations KQEC-32 and KQED-9 in San exhausted Asper with his rich prize." "[T]he Francisco: "In a ruling handed down Thursday, Winnipeg entrepreneur is now embarked on the FCC unanimously upheld a 1988 decision to realizing another undertaking-turning Global, and yank KQED's license to run KQEC and give it to a a string of independent stations, into Canada's

board that KQED lied about its reason for taking forging ahead with his bold plan to build a KOEC off the air for six months in 1979-80." nationwide co-operative system of independent "Officially, KOEC went dank a decade ago because television stations capable of taking on the giant KQED was making technical improvements to the Toronto-based CTV Television Network Ltd. and signal of the station it had been given by the Canadian Broadcasting Corp. (CBC). Global's Metromedia in 1970. However, others contend - Totonto-based operation in Ontario reaches 12 and the FCC has now agreed - that Channel 32 per cent of television viewers in the province on went off to save its parent company money, an average night." "The Toronto station would about \$130,000 at a time when KQED was half a serve as the flagship station in a network. The million dollars in the hole. It had taken KQEC system's reach already extends to Winnipeg. off the air before and been warned by the FCC Regina, Saskatoon and Vancouver, where Asper's in 1975 that to do so again for financial CanWest Capital Corp., a privately owned merchant - banking venture, owns independent "The group to which the FCC awarded Channel stations affiliated with neither of the major 32's license, the Minority Television Project, is a networks. He also hopes to soon operate somewhat shadowy organization whose leaders are independent stations in conjunction with other parties in major markets in Alberta, Quebec and the Atlantic provinces, where CanWest does not now have a presence.

the border in the past several months. The last would be free to independently develop and And wouldn't you know most of what was sent a national audience. If that happens, Asper to me from Canada is about United States says he will have a fully operational national network. Moreover, the CanWest system would In fact, MIKE REID (North York, Ont.) sent this include a lot more programs produced in Western letter from Florida. "I seem to recall a quote in Canada, a goal that gives Asper particular one of your earlier columns from someone at pleasure. He added: 'The central Canadians who WNUV-54 (Baltimore MD -wbf) to the effect that have all the political and economic clout in

Canada do not have an accurate picture of the the British-based Varian Associates went on the West. We hope to change that. Peoble should market. The multi-stage depressed collector not have to move to Toronto to express (MSDC) klystron boasted performance levels themselves."

"Last October the Manitoba Court of Queen's Bench ordered the warring parties to resolve Broadcastedrs Equipment to the highest bidder-setting the stage for the state UHF transmitter. dramatic Dec. 14 showdown "

noticed in the Yakima Herald TV listings, KCY-TV NAB booths. Broadcasters buy them to replace Channel 53 which appeared to be an independent old transmitters not only because of energy Fox station. I had not heard of this station savings, but for improved reliability and before. Do you have any info on this station?" maintenance. Sounds to me like another LPTV disguising itself construction of the systems, if one part of the with authentic broadcast station call letters. I'm unit fails, other modules continue to operate surprised that Fox would be affiliating with independently and the station does not go dark." LPTVs, however, but maybe they're desparate for affiliates. My guess, and it's only a guess, is that the call letters might be something like To the person who sent me two letters K53CY and they took out the numbers.

From the 2/19 Broadcasting, sent in by Dave: that I changed my name back to "Bill." Three new transmission technologies are now competing for the dollar of UHF-TV broadcasters, one - pager was a result of my own During the mid-1980's, the klystrode tube, an procrastinating. As for this month, the library outgrowth of research for the space program, was three weeks behind in its reference material. was introduced by Comark Communications. The So look for a much larger data section in next tube claimed to cut in half the cost to power a month's column. That is, assuming the library UHF transmitter compared to the cost of catches up. powering transmitters with conventional klystron. One recent note for the east coast: WNEV-TV,

"Last year, a new klystron tube developed by

almost identical to that of the klystrode.

"At this year's National Association of Exhibition...those the ownership deadlock by auctioning the company technologies will be displayed next to a solid-

"Solid - state versions of AM, FM and VHF DAVE SINCLAIR (Vancouver B.C.) asks, "I transmitters will also be the featured models at Because of the modular

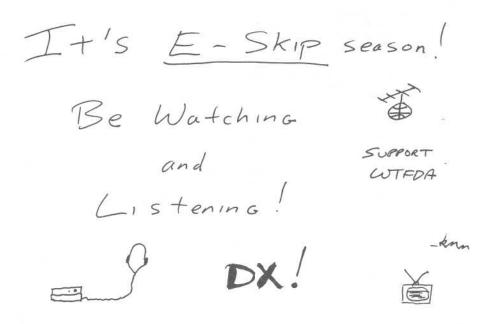
#### LASTLY

addressed to "John Fahber": let it be known

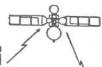
Also a few apologies are due. Last month's

ch. 7 in Boston MA is now WHDH-TV.

Until next month....



## SATELLITE DELL'S



GEORGE W. JENSEN 4604 Anntana Avenue Iltimore, MD 21206-4220

Much to report this month. Every day brings something new or something off.

Family Network is seen now on Satcom 4 XPDR 5

Sports Channel - Bay Arcs - Westar 5 XPDR 15 currently in the

Ha - The Comedy Channel - as reported last month - Galaxy 3 XPDR 23. The Family Net which was here is reported above.

3 Angels has moved from Satcom 1 XPDR 16 to Spacenet 1 XPDR 24.

Stardust - in the surprise of the year has ceased operation - this was on Galaxy 2 XPDR 2. Yet their Porn channel - TuXYedo is still operating on XPDR 4 at this writing. Subscriptions to Stardust have been transferred to Showtime.

ECO - the Spanish All News Service from Televisa Mexico City has moved from Westar 5 to Spacenet 2 and is carrying the Mexican Rock station as a subcarrier that was on Galavision (Galaxy 1 XPDR 20) and is no longer on Galaxy 1 (Galavision).

As a result of a large lawsuit - American EXXXtasy is off. Was on Spacenet 1 XPDR 18. Remaining subscriptions were transferred

RTP - the Azores service to North America keeps switching all over the place. Last seen on Wester 5 XPDR 24 - 6:00-6:30 PM. The time remains constant but which Westar and which XPDR varies. RTP - Lisbon also noted on same bird and XPDR Sundays 8:30 -9:00 PM with Portugal Magazine - in Portuguese.

Scola has moved to Spacenet 2 XPDR 20.

Satellite Real Estate Network noted Westar 5 XPDR 4 - Friday at 6:30 PM

XHST - ch 13 - Trecevision - Merida, Yucatan, Mexico on in the evenings ( s/on 6:00 - 6:30 PM EST) - Morelos 2 XPDR 2.

Jim Pizzi from Paso Robles reports the following info on Morelos 1. XPIR7 - Sports/Variety Programs - source?

XPDR 9 - "Super Canal"

XPDR 11 - ESPN in English with Spanish voiceovers sometimes)

XFDR 21 - XHIQR - Ch 7 - Chetumal, Quintana Roo - Mexico.

XPIR 23 - XEIPN - Ch 11 - Mexico City (FYI - I - Instituto, P - Polytechnico,

N - Nacional) My Spanish isn't too good but I think you get the meaning of the calls.

on the Ku side he reports that XHIMT - Imevision is on 11.8520 // to XPTR 2. I have noted lately that Imevision XFDR 2 is running a color-bar with music instead of programming. I wonder whats going on here.

That's all for now - see you in 30.



Your membership dues in the WTFDA are at work. when you consider all the articles recently published on selectivity improvement. This I see as one of the finest functions a radio club can perform-showing techniques for improving DX reception, I have been modifying radios of people who did not even ask for modification, to see what the reaction will be-if any will notice changes in fidelity and if they mention being able to hear new stations in their local areas. I have a Proton 930 receiver which received the FM/SCS treatment and a selectivity modification with 150 kHz Murata filters. Ninety-two kHz SCS was no problem with that receiver, even after the selectivity mod, although the 92 signal was somewhat weaker than the more robust 67.

Please refer to the Feb. article by Bill Nollman, p. 25. Like many digital receivers made for either the European or North American market, the Proton has a small slide switch, near the front of the radio circuit board, "Eur" and "American" positions, The European position gives tuning in 50 kHz increments, and of course, throws the AM tuning off, You don't have to face the cruel choice of settling for European tuning and then losing AM, but you can add a simple binary, "on-off," switch, with

leads connecting as shown. Leave the switch on "Eur." and control it from the new switch. which you could mount at the rear of "American" the receiver. However, with the more

SPST Switch, Mounted at Rear of FM Receiver or Tuner Connection Made to Underside of "Eur"-Switch-

selective 150 kHz filters, tuning away from a strong local doesn't always work. The reason: the FM station signal is no longer wide enough to side tune in on.

Bill Nienajadly claims DXers can also delete AFC for even greater selectivity on sets that always have that feature on. If you have a VOMeter, clip the ground lead to the chassis, and probe with the red (positive) lead near the tuning capacitor. Switch the VOM to DC volts and with the antenna connected and receiver on, start tuning across the FM dial, "Look for a change in voltage as you are tuning the dial. . . Try to trace the circuit back to the beginning," maybe a diode or a wire leading to the tuning capacitor. "Cutting this can delete the AFC. Then check the AM and FM sections to see that you did not cut the wrong wire; if so, resolder it and cut elsewhere. Eventually you will find the right spot and you've done it! Hint: car radios are the easiest to delete AFC, with the circuit board sometimes having the lettering AFC on it! Just cut the path and good luck! Note of warming: I don't recommend this on tube sets where voltages can be high, but most internal circuits of modern tuners [in and near the FM sections at least-ed.] have a maximum voltage of 14, so working on these is relatively safe! You must have some radio experience to do this; if not, leave it to a ham friend or TV/radio service center to be safe if you're not sure. This modification is more complicated than just changing filters!" I tried Bill's method on a receiver and never found the true AFC point, although there were diodes, resistors and IC points that yielded changing voltages. When I severed one circuit the stereo light went out: another, the tuning meter failed to function; another

Bruce F. Elving, Ph.D., Editor Adolph MN 55701-0024, M.S.A.

gave impaired audio and more distortion; still another, no audio-so I left the radio the way it was. Still the promise remains. Bill says: "This modification can bring radios useless for DXing back to life! Bruce, tell DXers to get hold of a good analog car radio, modify it with the 150s and enjoy razor sharp selectivity! Digital car radios can benefit from filter mod, but not as dramatic as the analog car radios! There is a loss of sensitivity with the 150s, but it can be made up with an FM car amp! The 150s do sound tinnier (less bass and midrange) but who cares really? It IS a trade-off and well worth it!" For removing filters, rather than using solder braid. Bill recommends Radio Shack's desoldering iron. A DXer in Philly with a modified Scott receiver (six 180s!) is getting NYC adjacents. "I modified a DX-440 Radio Shack and I could honestly say it compares very favorably with a home set, with 150s-unusual for a portable," and an Audivox car radio also works well on adjacents with 150s in it.

Bill sent a Doonesbury cartoon from early March satarizing light rock and NPR, and probably "lame radio." Another story was about WFMU \*91.1 East Orange NJ and the possibility the FCC may cut its power, which the station claims would "effectively cut off 2.2 million homes, and reduce our revenue base accordingly," while one of the stations affected by WFMU's too-robust signal is WFUV \*90.7 New York, which has applied for a height increase, "Station stinks," Bill says of WFMU. Really, Bill, it isn't "lame," though, is it? I wonder why Upsala College cannot at least partially fund WFMU, rather than forcing the station to be entirely dependent on its listeners, WKXW 101.5 Trenton now "NJ's 101.5" (strict); does it still ID with New Brunswick, Bill?

Bill also sent a piece about W276AQ Fort Lee NJ changing primary to Z-100. "Turro simply has gone too far with putting a grade A local Z-100 on a translator and it's only 6 km from the 100.3 transmitter! I'm going to enlist the help of other DXers and radio listeners to see what legal means we can take before Turro blocks every class A with Z-100! It's flagrant abuse of the public airwaves! If Turro is getting 'paid-off' by Z-100, then it might be illegal." At last report that translator and Pomona 94.3 are both off the air. Karl Zuk also comments on W276AQ: "Now I know that this is definite translator abuse. Z-100 melts radios in Fort Lee, just over the George Washington Bridge from Manhattan, This is Xerox radio! Yawning in New York-"

My guess is that Turro is reacting to the new "horrible" FCC proposal for translators. It is legal to receive compensation from the primary for running a translator. I am receiving payment from WCDK, "K-100" Virginia MN for my Hermantown MN translator, but that could change. The FCC proposes that third-partyowned translators outside the primary of an FM station not be reimbursed for operating expenses for the translator, but rely only on a 30" per hour donor announcement. However, for translators within the primary (where they are the least necessary), any arrangement between the parties for payment would be OK, as far as the FCC goes. I can see Turro cluttering the dial with local signals pecause that's the only way he could legally collect for his expenses. I, too, may have

to do the same, and my comments to the FCC on its proposal may reflect this thinking. A translator doesn't need to ask the FCC for permission to change primaries.

John Marx sent something recommended for European DXers or travelers, information on the 1990 "Rundfunk Auf UKW" by Wolf Siebel and Gunter Lorenz, It is a book roughly the size of the "FM Atlas" and 160 pages. with a price of 15.80 Deutsche marks (about \$10.30), "The guide is German, of course, but the station listings are easily understood. They are arranged by state (lander) with government stations listed separately from private stations," and it includes maps, with some information on East Germany or border areas closeenough for DX, but "no maps for this section unfortunately." There is a listing by frequency of all stations [and] it concludes with a short section on antennas. The publisher is Siebel Verlag, Bonhoeffer Weg 16, D-5309 Meckenheim, West Germany, "France is in desperate need of a similar guide, by the way. The European FM Guide (obtained from Finland thanks to your tip) was helpful, but too large to lug along and, lacking maps, was difficult to use without a home-grown knowledge of geography. I got a copy, too, in exchange for the "FM Atlas," and find the type hard to read. The 1990 edition of the EFMH costs 160 Finnish markkas, from Timo Leponiemi, Box 7, SF-15901, Hyvinkát FINLAND, "Postal giro account is Helsinki 221898-4," The British DX Club, John Marx reports, has a fairly good directory for the UK-but again, no maps.

I also got the National Radio Club's FM Station Address Book, mentioned in December, p. 39. Its main virtue is that the pages are flat, ready to insert into a binder and easy to set on an easel to type from. Format and technical information is there, but cursory. It is a 1989 edition and the addresses of new stations I might like to OSL aren't there. I'd like to see CPs listed, with the editors keeping track of addresses from information published in "Broadcasting" when the stations are

I just read this classified ad in "Radio World." Broadcasting Yearbooks 1950s through 1985, best offer. A. Wilkerson, POB 340, Lenoir City TN 37771. 615-986-7536, I'll have my 1988 BY for sale by the time you read this, asking \$30 plus \$3 shipping.

Paul Mount sent a story from "The Record," published in NJ? about "WMNB," a Fort Lee-based SCStation broadcasting in Russian. Primary not mentioned, but the station is headed by Efim Tovbin, who came to the USA from Russia. He opposes SCA pirates by sicing the FBI on them, since he rents receivers for \$29.50 a month, plus deposit. Even so, it's hardly breaking even. If anybody can mention what station has this Russian service and if it is 67 or 92 kHz, let me know and I will give you honorable (not horrible)

Wendell Ford sent quite a long trip report on stations he heard or didn't hear in AZ, while locally WHFB-FM 99.9 has dropped b and gone to mr, giving an optimistic ID with South Bend, Optimistic, because both it and WBUS Kankakee dropped their directional antenna (dropped them into Lake Michigan, I presume), and now nibble into each other's coverages.

KKGO 105.1 Los Angeles' sister station is KKJZ 540 Hesperia CA, but KKJZ can't be heard around west CA as well as the FM, so it has enveloped the SCA of KKGO for the jazz. W. R. McIntosh says it's on 67 kHz, but strangely, it's supposed to be stereo on the SCA. I have written KKGO for clarification. Maybe it's also on 92, with the two channels on 67 and 92 respectively, Mc also sent a clipping about a renegade FM station in Lithuania, and it will be commercial with some financial help coming from West Germany. And in the 60 mz Soviet FM band. The growth of black radio in L.A. is the subject of an article Mc sent, with the latest convert being KKBT 92.3, which couldn't make it on its previous rock format; KKBT had higher audiences when it was classical

Mike Bugaj sent some station news, including the treasured information about various stations in his part of the country having stereo. WHGC 94.3 in VT and WPJB 102.7 RI have it for sure. He claims a call change occurred for WRUT 97.1 Rutland VT to WXRT, which ean't be, since WXRT is in Chicago, 93.1. I assume it is a typo and that it is WRXT. Correct me if I am wrong. WLVH 93.7 is still 24 hour NOAA weather in stereo, no commercials, only PSAs, awaiting a format change.

"Keep up the good work."

BC's Mike Cherry is confused on my apparent doubletalk about increasing FMedia! subscripion prices to cut down on the number of subscribers and then saying in this column that I'd like to increase subscribers. Well, as Ronald Reagan says, I like to have it both ways-more money coming in and more subscribers. If people are willing to pay the higher rates for subscribing, then I'm willing to produce the newsletter for them. It is not profitable to do a newsletter for a pittance and most newsletters that charge less than \$100 a year do not last-I was told that at a seminar in Chicago that I attended on newsletter promotion. Mike says "FCC FM News is the first thing I read in the VUD," and he includes much station news from his area, including a mystery-relay of CBUF 97.7 Vancouver on 89.7 somewhere near Squamish, Whistler, Lytton, etc. Cable radiations? Also heard on 95.3 a translator of KCMS 105.3 Edmonds-Seattle, and "definitely isn't inter-mod/ spur/mixing or whatever. I've noticed this on my new Toyota radio-full quieting/stereo in a few spots." He's looking for a tunable bandpass filter so that he can notch out CBU-FM1 92.1, CHEK-TV channel 6 and KISM 92.9 and KAFE 104.3 in WA. "Hopefully, the weather will be good enough soon to remove the mast-mount preamp from the Lindsay FM yagi (big, big mistake!) and replace it with a proper balun. I still will have to locate a good indoor booster that will work in conjunction with the bandpass filter. Also, I will probably use Bill Nienjadly's 180-kHz filter mod on both the Sansui and Toshiba receivers," as well as switching to 50 kHz FM steps. [Mike, you might want to consider buying a Magnum/Dynalab tunable FM booster at about \$220; check with me on model and price-b.e.] According to a piece Mike sent both Tier One Communications of Toronto and Michael Vaughn would like to buy the whole CKO network and reactivate the stations; CRTC is believed to be inclined. however, to award the stations just one at a time to various owners.

Gus Mancuso got a record 169 stations from his Bellefontaine OH bandscan in three nights, plus 129 from Cadiz OH in two nights. Next, he plans a bandscan stay in South Hill VA. His radio has been filter modified, so he's ready for more action as he scans the band in such places as New Bern NC, Morehead KY and Orlando FL, He'll share his expertise and experiences with those who attend the convention this year, "since it'll be a 'semi-local' for me."

I've since learned that WKBM 100.7 Coal City IL is stereo, but Ken Onyschuk couldn't tell that at only 45 km; must be a lousy signal in that direction. His local WHFH at the Homewood-Flossmoor High School is

getting a new \$24,000 transmitter, KS Liberal 102.7 100000 h,v; 165 m which will bring its signal back up KY Williamsburg 104.3 2000 h, v; 122 m to its authorized par, Greg Coniglio sent some area station news, and he says "regarding your question about my 89.1 local, really I have two new locals! WBSU and WCID! I haven't modified my Pioneer with 150 kHz filters yet, but hope to soon." From across the lake, he's heard CFRC-FM now on \*101.9. having moved from 91.9. I asked a local Kingston resident who gets ND Minot 106.9 3000 h,v; 56 m, Faith Bostg. FMedia! to check to see if it might have embraced stereo and increased its operating hours, "Glad to see 92.1 Clarence will likely not come about. . . Keep up the good work! Should have another report in April after a trip to Myrtle Beach."

John Ebeling sent a listing of Canada's nightly Music Radio Network, after hearing such a station on 97.9, which he speculated must have been CKYX-FM in Fort Mc-

FCC-FM

"For your question on KWMQ 100.3 South West City MO, I was in error," writes Danny Buntin, "It's on 100.3, not 103.1. I confirmed it just the other day while listening to its weak signal. Another new MO station on is KLOZ 92.7 Eldon. . . Meanwhile, the KNYD translator in Stillwater is still broadcasting on 103.1. Being a DXer, it's certainly bad news that another translator for KVOO-FM Tulsa wants to come to Stillwater. It does mean that KVOO, a country station, will be able to compete better against the two country FMs from Oklahoma City. These two while not of local quality get into here with good and steady signals. But Stillwater would have a local quality country music FM signal for the first time (if a translator's strength can be classified as local). Also, KVOO-FM doesn't HI Kahului 99.9 KNUI-FM (KHUI) get into Stillwater with as quiet a IL Rockford \*90.5 WNIJ stereo signal as the three Tulsa stations that virtually match most of the OKC stations for strength, so at least in that regard KVOO-FM is a reasonably logical choice."

Read on, and check out "See Also," for my report on news culled from April's VUD.

New FM Station Grants

AL Bay Minette 106.5 2600 h,v; 106 m AK Anchorage 92.9 100000 h,v; 387 m AZ Claynool 105 53000 h v 85 m C. Besta, Co. CA Auberry 105, 1 710 h, v; 580 m CA Garberville 104.7 50000 h.v: 808 m. CA Thousand Oaks K280DT 103.9 (KOST 103.5 Los Angeles) GA Richmond Hill 105,3 3000 h,v; 100 m

IL Mount Vernon 102, 1 25000 h,v; 100 m II. Nashville 104 7 3000 h v: 100 m IN Evansville 107.5 3000 h.v; 82 m, Tri-State IA Ankeny 106.3 3000 h, v; 100 m, V. O. B., Inc. NE North Platte 94.9 KJLT-FM (KSRZ), g. \$

ME Harpswell (43-44-16; 69-59-43, 14 km S. Brunswick: old map shows it as "Harpswell Center") \*91.9 3000 h, v; 72 m, g, Downeast Christian Communications MS Monticello 102.1 3000 h, v; 100 m, M./ N.I Freehold Township \*89.7 1300 vertical only; 46 m, d-a, g, Faith Bostrs. NY Mount Hope (8 km W, Middletown) \*90. 1800 h.v: 172 m. Shawungunk NC Rocky Mount \*90.9 6000 h,v; 191 m, NC

Wesleyan College; see also "Deletions," WVSP OH Belpre \*91.7 110 h,v; 130 m, L wr OHValley Educ, Corp. [Spanish Cultural Net. OH Lorain \*89.1 2200 h,v; 114m, Spanish, I,/ PA Elizabethtown \*88.3 200 h, v; 35 m, E. (a, g, United Christian Way College PA Marietta WRFH \*88.7 3000 h,v; 207 m, d/ TN Loudon 105.3 3000 h,v; 100 m

TX San Diego 105.9 3000 h,v; 91 m UT Richfield 97.5 24600 h,v; 1081 m, R. FM Partnership (Whistle Broadcasting WA Dayton 92.5 210 h,v; - 143 m, Peanut/ WV West Liberty \*91.5 150 h,v; 65 m, WL State Im. tm. on air, French Callege ON Brockvitte CBOF-7 \*102.1 2500 h, v; 101/

PO Microssini (not Mistassini Station; this one is near Dol beau PO) 95.3 50000 h,v; e, Cree, English French community station SK Pinehouse Lake 89.9 CKRW- 89.9 7-w (h)

ke, relayer of Whitehorse YT station, plus 20 hours per week Local programming, split equally between Cree and English

Call Letters Assigned AL Talladega 97.5WSSY-FM (AM is in Evanston/ AK Wasilla 99.7 KMBQ (KNBZ) AZ Douglas 96.5 KDAP-FM (KOUD) AZ Williams 96, 7 KDAN"-FM" (KDAN-FM; AM gets new calls) CA El Cajon 93.3 KECR-FM (KECR) CA Lancaster 106.3 KGMX (KKZZ), r (AColdies), "KMIX" CA Pismo Beach 95,3 KWBR (KPGA) CA Salinas 102,5 KDON (KDON"-FM") CA South Lake Tahoe 102.9 KZFF (KTHO-FM) DE Seaford 98.3 WECY-FM (WSUX-FM), mr FL Orlando 98.9 WEZO (WURG) GA Buford 102.3 WLKQ-FM (WLKQ) GA Cairo 102.3 WOBB (WTGQ) GA Camilla 105.5 WQVE (WOFF) GA Reidwille 104, 1 WRBX GA Royston 103.7 WPUP (WBIC), rm (from k) GA St. Mary's 93.5 WAIA (WLKC) GA St. Simons Island 92,7 WPFI IN Lafayette 96.5 WAZY (WAZY"-FM") IA Atlantic 103,7 KXKT (KOMJ), "The Cat," still r (CHR) IA Eddyville 101.5 KRAM KS Dodge City \*91.9 KINF-FM (KINF; AM is a commercial station in Lafayette LA)

KS Downs 94.1 KWNL KS Emporia 99.5 KGZF KS Rozel 98.7 KGZE KY Monticello 93, 1 WMKZ LA Folsom 104.9 KGZC LA Opel ousas 105.9 KVOL-FM (KVOL; AM is in Lafayette), \$ [WOLF"-FM" (WHUH) MI Houghton 96.3 (moving from 97.7)/ MI Norway 94,3 WZNL (WNWY), to be b

MI Roscommon 101, 1 WGRY-FM (WGRY; AM is in Grayling), k MN Berson 93.5 KSCR-FM (KSCR) MS Greenville 104.7 WYBJ [Jackson MS Utica92,9 WJXN-FM (WYCH); AM is in/ MO Campbell 107, 5 KKJJ MO De Soto 100.1 KDJR (KOLS) MO La Monte 97.1 KOSY

NV Reno 92.9 KWNJ NH Newport 101.7 WXXK"-FM" (WNTK-FM) to 340 m (150 h, v) ("Rebel Radio" NM Los Alamos 98 5 KRBL (KKBR) r / NY Rath 98.3 WVIN''- FM" (WVIN-FM: AM nets new calls) NY Ogdensburg 98.7 WPFE NY Rochester 101.3 WRMM-FM (WRMM) NC Forest City 93.3 WBBO"-FM" (WBBO-FM;

AM gets new calls) NC Tarboro 104.3 WCAS (WAZO), back on air, r, \$, ID with Raleigh and various third cities OH Circleville 107, 1 WTLT (WLRO)

OH McConnellsville 100.9 WYBH OK Locust Grove 100.7 KWOJ OR Creswell 95.3 KERT (KZAM) OR Newport \*90.5 KGZD

OR Nyssa 98.7 KGZH PA Avis 99,9 WHUM-FM (WHOE); AM is in Hughesville; drops multi-city ID PA Elizabethville 100.5 WYGL-FM (WLIZ); AM

is in Selinsgrove PA Lewisburg 96.3 WYBA PA Radnor Township \*89, 1 WYBF PA Sellersville \*88.9 WBYO PA Villanove \*89, 1 WXVU SC Charleston 188.7 WSUY

SC Goose Creek 94.3 WUJM (WWHT-FM), "94 (Cleveland TN) Jams" TN Calhoun 104.1 WCLE-FM (AM is in/

TN Franklin 100.1 WRLT"-FM" (WRLT-FM; AM in Madison TN gets new calls), r, "Radio Lightning," eclectic rock

TN Harriman 92.7 WLIQ (WWBR-FM) TX Beaumont 107.9 KWIC-FM (KWIC) TX Brownfield 103.9 KLCU (KKTC) TX Burnet 92.5 KGZG TX Jefferson 104.5 KJTX

TX Killeen 92.3 KIFX (KPFX) TX Kingsville 92.7 KNGV (KODK) TX Paris 107.7 KPLT-FM (KTXU) TX Wichita Falls 103.3 KWFS (KKQV), o[Idies]

VT Burlington 98.9 WOKO (WOCR), k VT Canaan 94. 1 WKNW (WKQC) VT Rutland 97.1 WRXT (WRUT), "T-97," format unchanged, says Mike Bugaj

VA Emporia 99, 1 WEVA-FM VA Rural Retreat 103.1 WYBD WA Pullman \*88,1 KRLF WI Mayville 98, 7 WMVM (WMVW) WI Sturgeon Bay \*90.5 WPFF

WY Greybull 100.3 KZMQ-FM (KZMQ) BC Spoke-Metchosin (not Metchosin-Sooke) \*105.1 CBU-FM2, c. \$, thought to be relaying CBU-FM1 \*92.1 from Salt Spring Island (Victoria), rather than directly from

CRILEM \* 105.7 Vancouver NF Deer Lake 95.1 CJDY"-FM" (CKWK-), r, "Music Radio Network" affiliate, a network which is on from 6 p.m. to 6 a.m. on stations across Canada having otherwise varied formats

PO La Malbaie 105.9 CIHO"-MF"-1 PQ Riviere-du-Gouffre 92.3 CIHO"-MF"-2 SK IIe-La-Crosse 89.9 CILX, re, Music Radiö

Network affiliate Facilities Changes Granted AZ Oracle KAWV 103. 1 900 h, v; 153 m AZ St. Johns KQZE 95.7 354 m (100000 h,v) CA Santa Rosa KLVR \*91.9 300 h,v; 911 m CA Taft KMYX-FM 103.9 100 m (6000 h,v), \$ CO Duray KURA 105.7 3100 h,v (-6 m) GA Blakely WBBK-FM on 93. 1 (from 93.5), k, \$ GA Crawford WGMG 102. 1 6000 h,v (100 m) GA Eastman WUFF-FM 92.1 2000 h,v (113 m) (CP for 2400 w is "cancelled") HI Honolulu KIPO-FM\*89.3 3300 h, v (600 m,/ IL Rantoul WLTM 96. 1 1400 h,v; 145 m KS Derby KRZZ 96.3 (from 95.9) 50000 h,v; 150 m, C2 KS El Dorado KBUZ 99, 1 45000 h, v (157 m) ME Portland WWGT-FM 97.9 37500 h,v; 173 m MA Greenfield WHAI-FM 98.3 1400 h,v; 144 m

MA Winchendon WINQ 97.7 1900 h, v; 127 m

MI Gladstone WENL 105,5 6000 h,v; 77 m MITraverse City WLJN-FM \*89, 9 135 m; 10000 h.v. adding vertical

MN Alexandria KXRA-FM 92.3 (from 92.7) 13500 h,v; 136 m, C3

MN St. Cloud KCFB \*91,5 800 h,v; 37 m MN St. Paul KEEY 102.1 315 m (100000 h,v) MO Kansas City KMBR 99,7308 m (100000 h,v) MO Marshfield KTGZ-FM 104,7 (from 104,9) 50000 h,v; 150 m, C2 MT Helena KMTX-FM 105,3 86900 h, 57800/ MT Kalispell KOFI-FM 103.9 100000 h, 55000

NE Lincoln KHAT-FM 106.3 3000 h,v; 65 m NJ Stockton (Delaware Township) WDVR \*89.7 3500 vertical only; 92 m, gm, "Christian music, beautiful music," monophonic

NY Deposit WIYN 94,7 800 h,v; 196 m NY Oneida WMCR-FM 106.3 1200 h,v; 217 m NY Smithtown WCTO 94.3 1200 hv: 141 m OH Troy WTRJ 96,9 96 m (3000 h.v) PA Ephrata WIOV 105, 1 25000 h.v: 212 m. SC Cayce WYYS 96,7 4400 h.v (125 m), adds d-a SC Chester WDZK 99.3 6000 h.v: 100 m TX Bridgeport KWCS 96,7 69 m; 3000 h,v VA Warrenton WMJR 107-7 33000 h.v: 181 m.

WV Romney WJJB 100 1 480 h.v: 251 m | IC1 WI MinocouaWWMH 95.9 100000h v: 142 m./ WI Superior KUWS \*91,3 83000 h,v; 197 m NF St, John's CHMR \*93, 5 has vertical, \$, 24 hrs PO Natashouan CKNA 98.1 6600 h v (18 m) Stereo, or to be \$tereo

AL Oxford WKFN 97.9 r, "K-98" (strict), 1D with Anniston CA Barstow KXXZ 95.9, "Kicks 96 FM," on 24 hours. "This station should be in a major

market! Sounds great!" CA George-Victorville KATJ 100.7, k, live, not automated, parallel to KCIN Victorville CA Sacramento KYDS \*91.5 but on mostly during school hours, with occasional sporting

events at night IL.Coal City WKBM 100.7, r, "begging for notential advertisers to call 476-5855." IA Northwood KPLW 182.7, km, no nonID

KY Millerstown WJCR \*90.1, a LA Belle Chasse KNOK 102.9, ID with New Orleans, "The Breeze," now on with 6808 h,v; 100 m, and "tracks well 48 km out"

LA Lafayette KRRQ 95.5, s

NV Reno KSXY 101.7 NY Frankfort WKLL 94.9 or, classic hits, ID with Utica-Rome, non-strict: "Classic 94.9." If WKLL "is not actually licensed Utica, they make no mention of that in their 'legal' ID at the top of the hour,"

NC Rocky Mount WSAY-FM (AM is in Salem VA) 98.5, k, "Say 98.5 FM" RI Narragansett Pier WPJB 102.7

VT Bennington WHGC 94,3. "Probably the reason people can't get them in stereo is because WHGC gets out hadly to the S., E. and N. The only direction that seems good for them is to the NW-the Glens Falls NY area."

NY Potsdam WSNN 99.3 r, "99 Hits FM" WV Buckhannon WBUC-FM 101.3, k

Monophonic (or off air) FL Key West WO ZN 98,7 off air, remove \$ listing NC Belhaven WKJA 101,1 (moving from/ have a poor transmitter site, down by Homestead (shared with WCIX-6 and WXDJ \$ format SCA indication

IA Ida Grove KIDA 92,9 off air; remove/ MN Preston KFIL-FM 103.1, remove \$ listing, is mong, My 150-kHz selectivity modification told me this.

Format Changes Formats are the same as in the "FM Atlas" "Radiois in the hands of such a lot of fools who try to anesthetize the way that you feel," Elvis Costello, c. 1978 [contemporary AZ Show Low KRFM 96.5 rm, adult/ CA Apple Valley KZXY 102.3 r, "Y-102" CA Barstow KDUC 94.3 rs, \$, "K-Duck"

CA Kerman KTAA 94.3 k, "Nashville Network," SC Dillon WZNS 92.9 k, still "Z-93" to have come on Apr. 1 CO Vail KSKE-FM 104.7 o[I dies]

FL Belle Glade WBGF 93.5 o, ID with Pahokee- TN Lexington WZLT 99.3 rm, Drake AC Clewiston, claiming to use "all CDs," Its TN Maryville WGAP. FM 95.7 k music library "can't be too large or deep." TN Nashville WZEZ 92.9 mr, "I FL Fort Lauderdale WJQY 106.7 rm, still "Joy TX Lamesa KIOL 100.3 mr, Unis. soft AC

FL Jupiter WTRU-FM 99.5 m, leaning/ FL Key Largo WZMQ 103.9 Spanish, rt (AC with VI Christiansted WAVI 94.3 s heavy news/info in Spanish language). "Sure BC Vancouver CKKS 96.9 rm ("lame soft they're Spanish language, but that is not a format, unless you consider 'English' to also stereo." [age"; still "Key 93"

FL Key West WKRY 93.5 rj, close to "new/ WIIS 107, 1 rp, "FM 107," Claims they'll be moving to 92.5, but "did not get to WEOW 92.5 to get their side of the story!" FL Melbourne WGGD 102.3 o[Idies]

FL Port St. Joe WJST 94, 5 g FL Riviera Beach WOLL 94,3 g, "Oldies 94 (strict) " no ID with West Palm Beach GA Atlanta WAPW 99.7 rs, "quite a bit of urban

mixed in with the r' GA Gordon WYGO-FM 107.1 o GA Thomasville WSTT-FM 107.1 k, "South/ IL Alton KATZ-FM 100.3 sj, "black AC, jazz" IL Galena WJOD 107.5 mr, \$, Unis, Special IL Morris WUEZ 104,7 o, seeking WCFL call

letters and use of WCFL (1000 AM Chicago) ingles, music and promotions IL Pol o WLLT 107.7 mr, \$, "Easy Lite" IN Corydon WG ZB-FM 96.5 s IA Chariton KELR 105.5 k

IA Devenport KRVR 106,5 mr, "soft AC" IA Jefferson KLSN 98,9 b. \$? Chariton IA Lamoni KLAL 97, 7 k, simul casting with/ KY Paris WCOZ 96.7 rm, Unis. 41, AC LA New Orleans WMXZ 95.7 r, "another

soundalike rocker." ME Bath WIGY 105,9 (and WJTO AM), remove format, \$, as off the air. ME Boothbay Harbor WCME 96.7 k, "96.7

Coastal Country," dumping b ME Brewer WKIT-FM 100,3 rp MD Westminster WGRX 100.7 on MI Lansing WJIM-FM 97,5 mr, soft AC MS Jackson WTYX 94.7 o, "Oldies 94"

MS Lexington WLTD 106,3 sq. R&B oldies NE Beatrice KTGL 92.9 rp, "Eagle 92-9" NH Haverhill WYKR-FM 101.3 k \$tereo? NH Mount Washington WHOM 94.9 mr, more

vocals to attract a younger audience; "no more beautiful music" NJ Pleasantville WMID-FM 99.3 or, "Classic Rock Plus" (not strict)

NM Clovis KTQM-FM 99,9 rm NY Carthage WTOJ 183,1 rm, \$, via satellite NY Hampton Bays WWHB 107. 1 pr, to simulcast with WBA8-FM 102.3 Babylon, creating a Long Island superstation covering from New

York city to Montauk Point" NY South Bristol WZSH 95.1 m, "very mellow adult contemporary, "still" Wish 95" (strict), with an improved signal [92, 1), gk

FL Miami WD NA \*88.9, still mono, "OK as they NC Elizabeth town WG QR 105.7 o, "Gold 105." "I don't know if stereo or not, as I di dn't have it strong enough and no mention of stereo." NC Washington WCZ1 98.3 rm, "Classy 98.3," ID

with Greenville NC High Point WWWB 100.3 o, "B-100" ND Wahpeton KGWB 107.1 rm, \$, Fred McC?

OH Chillicothe WFCB 94.3 r OH Coal Grove WXVK 97,1 rm, \$tereo? OK Bethany KKNT 104.9 tg, CBN talk-news; still Steren? OR Portland KXL-FM 95.5 mr, Unix soft AC

PA Emperium WOKY 99,3 k[ountry] PA Harrisburg WXBB 97.3 r, "B-97.3" PA Lewistown WCHX 105.5 r

TN Graveville WAYB 95.7 rm TN Karns WCKS 93.1 op, classic rock TN Nashville WZEZ 92.9 mr, "Lite 93"

[toward '40s-'50s ballads VA Cedar Bluff WJHT 107.7 k WV Beckley WJLS-FM 99.5 k; Stereo?

rock"), dropping all jazz, having started as jazz stati on CJAZ on 92.1

be a 'format'... Was not paying attention to NFSt John's VOCM-FM 97.5 r, "24 hours rock and top 40" [\$, "K-103" ON Hamilton CKLH 102.9 m (from b),/

On Air (Selected) CA McFarland 102.9 still KXEM-FM, not yet using KSUV calls, and still "mono, low power and simulcast of 1590" AM

CA Montalvo K272CB \*102.3, and other Family Radio translators in the area, as shown on the 'FM Atlas'

CA Quincy new \*90, 5 translator now on carrying KNIS \*91.3 Carson City NV, not KCHO 91.7 Chico CA [from 106.3, still b CA Santa Margari ta KWSP 186, 1, having moved/ CA Victorville K228AJ 93.5, but carrying KFRG

in mono IA Des Moines KUCB \*89.3 not "permanently dark," but with a schedule confined mainly to late afternoons and early evenings with

sign off 10 p.m. NY Potsdam W280AK 103.9, but "weak" NY Richvale W261AB \*100, 1

NY Watertown W221AQ 92.1, W285AD 104.9 TN Cookeville WGSQ 94.7, having moved from 94.3; still k, \$

Off Air or Not Yet On CA Bakersfield KTIE 107. 1, expected on last month: format rumored to be country CA Ventura KAGR 107.1

FL Marathon WWFF 97.7 IL Chicago WSSD \*88. 1, "off for good?" WOUI \*88.9, IL Institute of Technology. Its telephone has an answering machine, "but at least the number's still in existence... has not answered my messages yet, however."

WBHI \*90,7 Bogan HS, "still on?" IL De Kalb WDKB 94.9 IL Gien Ellyn WGHS \*88.5" off for good?" IL Lake Forest WMXM \*88.9 "still on?" Maybe Gary Olson can check on this one.

IN Gary WGVE \*88.7 "never heard-on at all?" IN Michigan City WFAJ \*89.5 "ever on?" IA Sac City KSRG 105.1, "a typically sadlooking NW lows town, with few obvious

businesses to support a radio station" NY Cape Vincent WKGG 102.7 NY Irondequoit WOSB 106.7 NY Oswego WPZX 96.7 NY Syracuse WENY \*90.3

WV Bridgeport WDCI 104.1 NF St. John's CBAF-20 \*105.9

Deletions AZ Tsaile KNCC \*91.9-calls taken over by Elko NV 91.5

CA Apple Valley K2880 K 105.5 CA Simi Valley K292CR 108.3 K296AJ 107. 1, neither of these two on; had been licensed

GA Brunswick WIOI-FM1 100.7 (was to have been a 20-kw booster serving Jacksonville FL, where its main studios were to be). FCC resicinded grant without comment.

IL Park Forest WRHS \*88.1 off air for years; its old phone number has been a residential number for two years, "according to the man I talked to, [says he's] gotten a lot of calls for that station since moving to Park Forest."

NE Rocky Mount (Warrenton) WVSP \*90.9. replaced by new Rocky Mount grant TX Pittsburg KRQO 96.9, "application dismissed for extension of time"

FCC-FM

FMistakes, FM Atlas-12

AL Enterprise WKMX is on 106.7, not "100.7,"

CO Snowmass Village dot misplaced, p. 70; it is 16 km south, "right by Snowmass Peak" NC New Bern WTEB \*89.3, not "WTNC," p. 145

See Also April VUD For:

FL Homestead WX DJ 95.7 and Goulds WAQI-FM 98.3, this is actually a brokerage agree ment where each stati on trades the other's programming 20 hours a day (see last month. p. 16 col. 3 and "Late Breaking Station News," p. 31). "Radi o World" says because of rules regarding brokering, it cannot be a 24 hour-a-day trade, I assume the remaining four hours a day the stations are as they were.

IL La Salle WAJK 99.3 rm, Falconer, p. 29 IN South Bend WNSN 101,5 rm, still "Sunny 101.5," Falconer, p. 29

NJ Rockaway Township-I don't see where Richard K. Shaftan's equipment modification is "mentioned below," p. 31. Like many other readers. I'm anxious for all the selec tivity modification news I can read. It would be nice if Bill Niensjadly would stop using possessives for plurals ("150s" should be written for "150's" and "reports" should be written instead of "report's"). When typing take two spaces after a period (al though on a ward processor you space only once, with the computer program doing the rest). Still, Bill's type is very readable.

NY Frankfort WKLL 94,9 is \$ and 50000 h,v; 84 m, Station News, p. 29

NY Valhalla WARY is on \*88.1, having moved from 88.5, Smolarek, p. 30 WV Wheeling WKWK-FM 97.3 rm, "Lite Rock

97," Falconer, p. 29 WI Eau Claire WAXX 104.5 still k not rm. [Falconer, p. 29 Falconer, p. 29 WI Milwaukee WLTQ 97.3 rm, "Lite 97," /

NonIDs, Not Just Slogans AL Montgomery WLWI-FM 92,3 I-92 FM CA Carpentaria KSBL 101,7 K-Lite CA Dial KKUR 105,5 Your Station CA San Bernardino KOLA 99.9 Cool Gold, o CA Santa Ana KYMS 106.3 Eagle 106.3 (strict) CA Victorville KVVQ-FM Q-103, simulcast with AM in Hesperia Iv Dos ("92") FL Hialeah-Miami WCMQ-FM 92.3 FM Noventa/ FL Marathon WAVK 106,3 The Wave FL Plantation Key WCTH 100.3 Ketch FM FL Tampa WFLZ 93.3 93 Power Pig [103") IA Clear Lake KZEV 103, 1 Z-103 (from "Rock/ MN La Crescent-La Crosse (WI) KQEG 102.7 no nonID, spraying DDT on "The Eagle,"\$, r MO Springfield KKHT 98.7 All Hit 99 NC Burlington WZZU 93.9 Rock 93-9

NC Edenton WB XB 100, 1 B-100, still k NC Wilmington WMFD-FM 97.3 Easy 97-3 OH Ottaws WOTL 106.3 Power 106 PA Renovo WMHU 93,1 "WHUM," simulcast with WHUM-FM Avis and AM SC Lake City WOTR 100, 1 O, 100, still k

SC Spartanburg WSPA-FM 98.9 98.9 FM (from "FM\_99") [Jams, still s VA Norfolk WOWI 102.9 The New 103/

AM Happenings (Selected-from FMedial) CA Bakersfield KGEO 1230 AM stereo "dropped live jocks (except AM drive) for satellite rock CA Lemoore KJOP 1248 silent, Note/ [intact" CA Santa Barbara KBB Q 990 silent, "studios still/

KESP 1290 silent. "Letter on door dated 12-23-89 says went off due to no cash flow and may return with new owners. Apol poies to

listeners for going off."

KKBT 92.3 Los Angeles in the soul/urban ratings-getter because it is on the AM band." translators," this Washington attorney IL Urbana WBCP 1580 back on air with black AC told me, "It could mean the AM-ization (had been silent as WJTX)

MI Clare WABX 990 "silent pending sale" NV Reno KRCV 1340 silent NY Brockport WASB 1590, "Dark again, perhaps

for good this time." OH Canton WBXT 900 silent; had been [urban TN KnoxvilleWKGN 1340silent; had been/ TN Nashville WENO 760 being bought by

Trovecca Nazarene College, operators of WNAZ \*89.1 there; the daytime AMer will feature inspirational/MOR music. TX Kingsville KINE 1330 silent

New Rules Proposed for FM Translators: No Low-Power FM, But 1000-Watt Translators Foreseen

"Have you heard about that horrible proposal about translators?" a Washington communications attorney asked me. Well, I had, and here's what the FCC proposes:

The FCC reaffirms its belief that FM translators should be a secondary service only; therefore, it will adhere to the policy that the purpose of FM translators is to provide service in areas where direct reception is unsatisfactory due to distance or terrain obstructions, A translator may not be established solely as a means of relaying the signal of its primary station to a more distant location. The new rules continue to allow no more than a 30seconds per hour commercial "to acknowledge or solicit financial support," but broadens the scope of translators to provide emergency warnings of imminent danger, Presumably, this could include broadcasts of school closings or storm warnings.

Areas where primary stations (or third parties) can set up translators are confined to the one millivolt per meter contour of the primary station, except that commercial Class B stations get a more liberal interpretation-providing for translators within their 5 mV/m contour, while commercial Class B1 stations would be able to set up translators within their .7 mV/m contours. When a third party is involved in any of those areas, financial support is to be "left to these parties."

FM translators providing service to "other areas" may be owned only by independent parties, and a primary station will be forbidden to support, directly or indirectly, any commercial FM translator in such an area, both before and after it commences operation. This is a departure from present rules, where stations are allowed to support the operation (but not the construction) of translators outside their primary areas.

The current power limit for FM translators nationwide will be nudged upward to a maximum of 1000 watts radiated power. For "fill-in" service, the 1 mV/m contour cannot exceed the protected service contour of the primary station. Non-fill-in [on door: "Closed, off the air." translators will have a 1 mV/m contour service radius of not more than 16 km. This means translator operators planning on outputs over 10 watts and up to 1 kw may have to calculate their antenna heights above average terrain so as to be able to estimate their 16-km coverage

Another liberalization is that FM trans-CA Sents Monica KDAY 1580 said to be up for lators would be allowed to operate on all sale at \$10 million, now facing competition from 80 commercial channels (92-108 mz). rather than on only the 20 formerly all format, Rumor that KKBT's owners, Evergreen Class A channels. Specific criteria will be Media Corp., will buy the AM station. KDAY has applied for determining predicted and a 50 kw signal, "but is limited in its potential as a actual interference. "I fear the kilowatt

of the FM band. The FCC has forgotten

the listener. To implement the new rules, the FCC is proposing to continue the freeze on newcommercial FM translator applications or major changes in existing translators for 60 days after the effective date the new rules are adopted and thereafter, to provide a 60-day period for applicants to amend their applications to conform with the new rules. My own translator, through another Washington attorney, had filed for frequency and site change with the FCC; but I have requested voluntary dismissal of the application.

The FCC is requesting comments on all aspects of these proposals to 1919 M Street, N.W., Washington DC 20554, As of Feb. 28, the FCC reported 1815 licensed FM translators on the air. For more information contact Tatsu Kondo in the Mass Media Bureau at (202) 632-6302

My reaction is that, at first glance, the rules are a sell-out to the NAB, and a slap at John La Tour, Gerry Turro and others who wanted a low-power FM service. However, for operators already on the air with translators, there may be certain advantages, I see the following ways in which the FM translator service can thrive, even with the new rules:

. A third party could create a translator within a station's primary and receive payment for that translator's operation, the profits of which could help pay for a second translator the third party is operating on behalf of a station in an "extended service" area.

·Multiple translators in one city owned by the same third party-a translator "consortium"-could legally spring up, Twenty-four daily 30-second commercials on each translator serving a major market could be sold to advertisers as a group

 Existing translators may enjoy "grandfathered" privileges, whereby continued support by the primaries may be permitted. If so, there would be advantages in retaining such translators; or even buying translators known to be off the air, but still having an FCC license or construction permit.

· Translator licensees could benefit from subcerriers present on the main station; selling advertising on the SCA. receivers, or rentals of receivers, Indeed, a translator might be able to persuade a station to embrace an SCA as inducement for its signal to be carried into a nearby larger market.

Bill Sanders, KICD-FM 107.7 Spencer IA, and Chairman of the NAB Radio Board, said he was pleased with the FCC's action, "NAB commends proposed limits on technical interference, translator geographic location, and financial support by stations being rebroadcast." Sanders' own station has no translators relaying it.

In checking Omaha NE, just as an example, I found six probable frequencies on which 1000-watt FM translators could 73, B be established.

# WTFDA CONVENTION '90

WTFDA Convention 1990 is coming soon! Time to start planning on attending. It will be held at the Old Town Inn in Manasas, VA (about 30 miles from Washington D.C.) There are plenty of things to see & do in the Metropolitan area. (something for everyone). Family members welcome!

#### TENTATIVE AGENDA

#### FRIDAY, AUGUST 3rd:

The convention will open at  $5:00~\rm p.m.$  with a pizza party shortly there-after. Plenty of munchies & cold soda will be available throughout the weekend.

The evening will be a time to meet new & old friends, DX, open flea market, trade & promotional items, etc...

Convention will close at 11:00 p.m.

Note: If there is interest in station tours and enough members arrive early on Friday, the opening time will be earlier.

#### SATURDAY, August 4th:

Convention will open at 10:00~a.m. with brunch provided shortly there-after.

The afternoon will consist of a tour of PBS microwave link near Springfield, VA and then on to their studios in Alexandria, VA. For those of you not interested in the tour - there will be continued DXing, trading or swimming at the INN.

A catered buffet dinner will be served around 6:00

The evening will feature Tech Talks & more. For those willing to give a 15-30 minute tech talk or slide presentation please let me know!

Convention closes at 11:00 p.m.

#### SUNDAY AUGUST 5th:

Convention opens at 10:00 a.m.

Either brunch or lunch will be provided.

There may be a optional tour of a nearby T.V. station.

Continued DXing, trading, flea market, etc... will continue throughout the afternoon.

Convention closes at 4:00 p.m.

The fee for the convention this year will be \$45.00 per person and includes:

All your meals listed above plus plenty of cold soda & snacks available throughout the convention. The cost of renting the room for meeting, station tours, equipment setup, any rentals of misc. items. etc...

I have reserved a block of rooms at the Inn. The cost is \$37.00 for 1 person 1 room. \$40.00 for 2-4 people per room. (now is the time to get together with your friends to save on room costs). We would like to see as many people as possible stay at the Inn for convenience (since the meeting room is right there) but there are several other hotels located nearby. (a list will be provided, if requested SASE) I will also make your reservations at the Inn for you if you request it when you send in your registration fee. If you prefer to make them on your own the number is (703) 368-9191. Mention you're with WTFDA. There is a swimming pool available so bring your suits!

Directions for Old Town Inn in upcoming issues.

Deadline for registration is June 15th. You must preregister to attend!! Registration fee is non-refundable. For confirmation of pre-registration your cancelled check is your receipt unless SASE enclosed & for confirmation of lodging enclose 15 cent stamp.

#### REGISTRATION FORM

IAME	INTERESTED IN TOURS
ADDRESS	NEED FLEA MARKET SPACE
	DAY OF ARRIVAL
PHONE NO:	
NUMBER ATTENDING	
NOULD YOU LIKE ROOM RESERVATIONS	MADE FOR YOU AT THE
NN? IF YES, HOW MANY	IN PARTY?
VILLING TO GIVE A TECH TALK?	IF YES, TOPIC
ANY IDEAS ON SOMETHING YOU WOULD SOMETHING YOU'RE TIRED OF DOING? (USE SEPERATE SHEET IF NEEDED)	ANY COMMENTS WELCOMED.

SEND TO: MICHAEL WIMER, 14508 DARBYDALE AVE., WOODBRIDGE, VA 22193.

### PHOTO NEWS

MAY

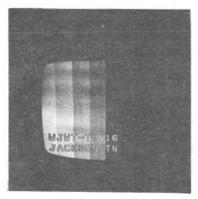
1990

Mailing Address:

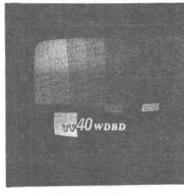
PHOTO-NEWS - 12284 Nice Road - Akron NY 14001-9529

Photos submitted to PHOTO-NEWS become the property of this column and will not be returned.

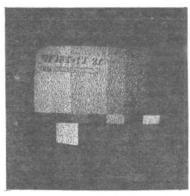
Our first reporter is; William Eckberg - Dixon Illinois. Equipment: 1966 Zenith bow mode: 14NZ2, modified Zenith 175-1962 detent tuner, Channel Master 1110 VHF antonna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamp on a 40 foot tower.



WJWT-16
Jackson Tennessee
419 mile tropo
seen March 10 1989
at 0320 CSTime



WDBD-40
Jackson Mississippi
651 mile tropo
seen March 10 1989
at 0345 CSTime



WVFT-27
Roanoke Virginia
583 mile tropo
seen August 3 1989
at 0305 CDTime



WTBS-17 Atlanta Georgia 610 mile tropo seen August 31 1989 at 0310 CDTime

#### PHOTO NEWS

MAY 1990

Protos submitted to PHOTO-MEMS become the property of this column and will not be returned. EDITED BY David J. Niemen

there will be more DX fotos from Bill next month.



WVUT-22 Vincennes Indiana 231 mile tropo seen August 31 1989

"only seen 3 times"



KARD-14

West Monroe
Louisiana

651 mile tropo
seen September 4 1989
at 0530 CDTime

Next are some 1990 winter E-skip fotos taken by Dave Nieman - Akron New York Equipment: see April 1990 VUD page 24.



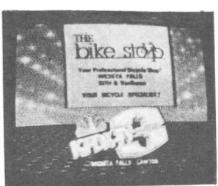
CMTV-3

Omaha Nebraska

898 mile E-skip

seen January 2 1990

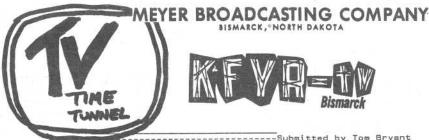




KFDX-3 Wichita Falls Texas 1246 mile E-skip seen January 18 1990 at 1157 ESTime

Please note address change back to 12284 Nice Road Akron New York. Till next time.

DAVE



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

#### GREAT GROCERY CRASH

SETTING THE SCENE: In the early days of small market television it was common for staff members to wear a lot of different hats. When I becan my broadcast career at KFYR-tv in Bismarck in 1956 I was assigned duties in the film/projection department, did some 'booth' (off camera) announcing, and operated the [there was only one] RCA image orthicon studio camera. Part of the cameraman's job was to set up displays for commercials. This particular incident involved grocery store sponsorship of the local news at 6 PM. Remember. these were pre-videotape days..everything was LIVE! Heck, we didn't even have a zoom lens!

APPROACHING ZERO HOUR: To set up for this particular spot I had wheeled a large table into the studio, topped it with two three-tier risers, covered them with cloth drapes, and then loaded them with everything from cans to cantaloupes...complete with a price tag attached to each item. By 5:15 everything was ready. At 5:59 the newscaster was behind the anchor desk, the announcer for the commercial insert was standing beside the "Saveway Superette" sign and display, and I was behind the camera with everything in focus and ready to go.

IMPENDING DISASTER: \* "Cue MacLeod," the director commanded through my headset. I gave the signal and he began with a few headlines and finished up the brief intro saying, '..details on these and other stories coming up." At that point the video switching engineer punched up a slide identifying the sponsor, and the booth announcer read the opening credits. During those few seconds my job was to change from the wideangle lens to the mid-range lens and swing the camera around for a full shot of the sign, the announcer and the display. On command I eased the huge camera ahead toward the target...smoothly focusing, tilting and framing...everything looked great. Then.....

CRASH !!!: It sounded like the world had come to an end! Everything had disappeared from the viewfinder in what looked like an avalanche! The director was screaming, "DOLLY BACK, DOLLY BACK!!!" As I pulled back, I was stunned by the awesome devastation. I had NOT changed ienses; and as a result, while going in for a close-up, had soundly hit the display table with the front leg of the camera tripod.

THE AFTERMATH: Groceries had been launched like missiles. There were cans, fruits, vegetables, and meats all over the place..but mostly on the floor in front of the table. As the disaster area came into full view on screens all over Central North Dakota; the announcer regained his composure, looked at the camera, chuckled a little and said, "I don't see any reason a little boo-boo ought to slow us down!" At that point he knelt on the floor, snatched up a stray price tag, looked at it, and stabbed it into a glob of raw hamburger (also on the floor) saying, '..39¢..that's today's special price on ground beef!" He continued the price tag routine for the rest of the spot. which wound up being about two minutes long. Of course he had no idea which items the tags really belonged to, but somehow it didn't really matter much at that moment of great crisis. After all, "The show must go on!"

NEXT MONTH: What the boss did!

## EASTERN TV-DX

Bill Niena jadly 98 Highland Ave Clifton NJ

Deadline the 5th 855 mile trop from SC to Mass/770 mile trop from Texas to Florida/A rare 345 mile short hop E-skip/Cuba on trop to the Miami area/ Florida to Maryland trop / F2 grace's Connecticuit with AUDIO from possibly Germany and what looked like a European commer cail cluster was seen/DXpedition at 4683 ft!/ 1504 mile E-skip from Cuba to Canada/ Those are the headline's of this months installment of ETVDX,this issue complete's all the backlog's sent here from HQ,& new stuff too! Read on.

Michael Hollis 40 Lakewood St Mary Esther Florida 32569

October 1989				
3 Tr 0915 WOWL 15 AL 320 13 Tr 1630 WJPN	4 33 SC 320	11 Tr 0550	KTXT 20 TX	540
0916 WIRT 26 AL 320 1640 WNEF	T 38 SC 370	0555	KLRN 9 TX	740
13 Tr 1545 WJKA 26 NC 590 1641 WRJA	A 27 SC 450	0600	Houston 14	.20.
1550 WGGS 16 SC 390 1650 WJWJ	1 16 SC 380		and 39 TX	
1555 WECT 6 NC 580 1659 WCES	3 20 GA 350	0640	KHSH 67 TX	520
1600 WHNS 21 NC 420 1700 WJZY	4 46 NC 470	0645	KXLN 45 TX	570
WSPA 7 SC 430 November 1989	75.	0646	KVUE 24 TX	690
1601 WJCL 22 SC 350 2 Es 2000 XRIO	3 2 MV 760	0700	KETH 14 TX	540
1625 WUNG 58 NC 500 2 ES 2000 KRIC			WVLA 33 LA	280
1626 WACH 57 SC 400 4 ES 1000 KUSI	2 20 1000	0705	KLTL 18 LA	390
		0710	KWEX 41 TX	740
The spring like weather in early November p	produced a nice	0715	KLPB 24 LA	340
opening into Texas, However not the quality seen	n in March and	0720	KIMD 48 TX	510

April, total station count after 11 month's back at the con-0723 WLPB 27 LA 280 trol's is over 300.My success in QSL-ing is much lower.Return 0730 KRRT 35 TX 770 rate is around 15% compared to 60% in the early 80's. Several 0750 KVDA 60 TX 740 new station's on the air:WMPV-21 Mobile AL. WPAN-53 Ft Walton

Beach Fl is back on again. Ch 46 from Naple's on with TP w/o ID Happy Holiday's to Everyone

Jim Renfrew 61 Wilcox St Rochester NY 14607

July 1989

31 Es 0955 KTBS WREG			6		WKBW CHEX	 NY ON	70 90			0220 0210				
August 1989					WBRZ CBLFT13		1180 90	17	Gw	0010	WNED	17	NY	70
2 Es 0900 CIII	2	ON	14		CBLFT12									

Having attended the Syracuse convention, my enthusiasm for TV-DXis only limited by my lack of equipment. How can I obtain a LPTV list for CA, NC and NY? The folk's at Syracuse had one, but I neglected to get the info on how to obtain one. ( Jim kindly mention's that he think's that ECO which is seen on skip is likely based in Mexico City-BN)

Peter George (N1GGP) 24 Columbia St Apt 1-F Brockton MA 02401 (508) 584-0374

It has been a long time since my first and last musing. So a introduction is in order. I am 30 yr's old, married and the proud father of a 2 yr old girl named Kyle. I am currently Station Engineer for WBET/WCAV (FM) in Brockton Mass. In addition, I am week end Master Control operator at WHRC-TV (46) in Foxboro Mass. This year's WIFDA convention in Syracuse was a blast. The DX was made to order as we were able to view station's like WCCO-4-MN, KPRY -4-SD, KUSD-2-SD and a host of other's. I was able to some mountaintop DX, after the covention in the Lake Placid region of upstate NY. The place...high atop... Whiteface Mountain, elevation 4683 ft above sea level. Using a simple Watchman portable with built in antenna, I was able to make some great catches. CBFT-2-PQ, WCAX-3-VT, CBOT -4-ON, WPTZ-5-NY, CBMT-6-PQ, CJOH-6-ON, CHLT-7-PQ, WMTW-8-NH, CJOH-8-ON, CKSH-9-PQ, CBOFT-9-ON, CFTM-10-PQ, CBLFT-11-ON, CFCF-12-PQ, CJOH-13-ON, WNPE-16-NY, CIVM-17-PQ, WNPI-18-NY, WCDC -19-MA,WVTB-20-VT,WVNY-22-VT,CIVS-24-PQ,CICO-24-ON,CFTU-29-PQ,CIVO-30-PQ,CFKS-30-PQ WNNE-31-NH,WEIK-33-VT,CFJP-35-PQ,CHOT-40-PQ,CFGS-49-PQ,WFYF-50-NY,W55AI-55-NY(WVNY-22 xltr)WCFE-57-NY(Ed.note I'll print bandscan's of member's from mountaintop and super location's only. It is my opinion that other member's might be inspired to DX themselve s if they see what a great location it really is and they might want to make the trip too-BN)...Til next time,73's and good DX !!!!!

comment's)

Matt Sittel PO Box 21441 Raleigh NC 27607 (919) 737-5477

WIVZ 33 VA 142

August	1.989

August 1989		
24 tr 0827 WOLO 25 SC 173 30 tr 2159 WRJA 27 SC 155	9 tr 2230 WRLH 35 VA 135 11 tr 0201 WJCL 22 GA 294	13 tr 0749 WRJA 27 SC 155 WNSC 30 SC 145
2350 WRLK 35 SC 169 WACH 57 SC 169 31 tr 0050 WTAT 24 SC 200	WOLO 25 SC 173 WYAH 27 VA 144 WIVZ 33 VA 142	WTSG 31 GA 420 WRLK 35 SC 169
WOLO 25 SC 173 0821 WIAT (STILL IN) 0850 WRLK 35 SC 169	0724 WEBA 14 SC 233 WTAT 24 SC 200 WRLK 35 SC 169	Note:re WEBA-14 At 0730,WLFL -22 had a breif break,whch left a
September 1989	0829 WJCB 49 VA 156 0956 WHKY 14 NC 150	dark screen, Clearly visible was WJCL-22 ID!!!
1 Tr 0759 WIAT 24 SC 200 7 tr 0843 (Columbia, 25	13 tr 0749 WEBA 14 SC 233 WLIX 19 SC 162	WEBA audio on scanner
35,57) 9 tr 2230 WHRO 15 VA 142	WGXA 24 GA 345	8.8

I mentioned last time how unsual that I saw E-Skip 2 yr's in a row the day before I left for school What are the odd's that the best tropo DX fall's on Sept 13th, 1988 & 1989!? In 1988 I saw my best tropo ever, WTOG-44. This time WTSG-31 & WGXA 24 my best DX of thye tear so far. No tropo seen due to Hurricane Hugo. (Yea youre right all I seen or heard was Zilch here too-BN) Where in relation to the storm do you need to be, to get any good DX from it? (I dunno-BN) In fact the worst DX has been in the last week before Hugo!Note I know there is a 200 mile logging limit, But I included some under 200 stuff a lot of it is Very Rare, And otherwise I wouldn't show how good DX Really was. Consider ing Im holding a 4 Bay ant in my hand, I find Columbia to be great. (Matt there is no longer any limit on mileage's in ETVDX, but... If sta-tion's are reported in excess, then I might be forced to delete them if it get's too common, fair 'nuff?-BN)Hopefully DX is great where you are 73's Matt.

WAGT 26 GA 239

Editor's note; You might have noticed I have eliminated the tentative's and Unid's from these dated report's mainly because of we now have a Unid section again in the VUD. I will print Unid's in up to date report's only if there is information that might be helpful to other's, such as if the unid show's the MUF at a given time and or if the unid show's somehow the direction of the opening be it trop's or Es -BN

Tom Bryant 849 Todd Preis Dr Nashville Tenn 37221 CDT

July 1989

oury	1707															
	2159 KOTA		1024		ıst 198					18	tr		WIVA KIVI			198 257
Z LS	0003 KREG		1138	3 7	r 0118			OH	250			OLUS				
	0032 KTVS	3 CC	9-170-70		0138	KAIT	8	AR	226	0.0			KPLR	50,700	The Control	
	1628 KLNE	3 NE			0141	WAKA	8	AL	268	30	tr		WCPO			250
	1756 KSNW	3 KS	598		0210	WSB	2	GA	212				WIHI			
	1759 KSWK	3 KS	799		2159	KDLR	10	MO	345			2158	WILL	1.2	IL	293
	1859 KENW	3 N	1 963	47	r 0110			AL	372			2203	WKRC	12	OH	250
	1901 XEPN	3 CI	938			WBIR		TN	165			2212	WHAS	11	(IN	170
4 Es	2200 KBTX	3 T2	647	5 1	r 0154		-	AL	268			2217	WCIA	3	IL	293
	2028 KDLO	3 SI				WVIM	1.0	AL	175			2305	WISH	8	IN	262
1500000	2228 CBWF			6 T	Es 1300			KS	799	31	tr	0019	WITHR	13	IN	271
25Fs	1014 CKVR	3 01			4s 0133			SD	754			0106				212
	1029 KSWK	3 KS		10 1		KXMA		ND	1107				WIWO			223
	1030 WSTM	3 NY											WRTV			269
28Fc	2210 KTVS	3 CC		7.7 0		KUSD		SD	754				KTVI			257
LULS	2239 KOTA			16 1	r 0259			GA	212			0210	KIVI	- 2	PRO	231
201	0158 WIWO	3 SI				WREG		TN	175	Se	ote	nber	L989			
Zall		2 IN		17 1	r 0001		32		171	2	m.	2057	WOT D	10	MO	2/5
245	0200 WIVW	7 IN				WNIN		IN	140	2	IT		KOLR			
31Es	1029 KSWK	3 KS			0004	WPSD	6	KY	141	-			KAIT			226
	1130 KTVS	3 00	926		0005	WBBJ	7	TN	104	1	tr		KPLR			
	1430 KBME	3 NI	1022			KFVS	12	MO	174				KTVI			257
	1438 KDLH	3 MM	789		0006	WSIL	3	IL	154	25	Ms	?0313	KUSD	2	SD	754
	1445 CBWF	3 MB	1087			WIVW			140							
	1450 XHY	3 YL	1170	18 0	w 2400				001	- 19	se	e nex	t page	2	for	Tom's

Eeastern TV DX

May 1990

2 NE

2 KS

Tom Bryant continued

On Vacation 7/8-16 (no DX seen in Bismarck)

Re; Local WKRN-2 off, WIWO rarely seen here. 7/31 Es XHY logging, in a 10 minute span, all the Northern US & Canadian Es dissappered & I made this logging plus several unid-3 Spanish likely a mix of Cuban & Mexican.8/3 First sighting's of WAKA over 7 year's 8/4 Second time for WBIR & WALA 8/13 Ms KUSD eight more sighting's of KUSD between 0204 and 0438...odd condition's,looked like Ms at first,then a Es appearance & toward the end almost a tr look! (Strange!! Hmm maybe UFO scatter ?.....HI!-BN) 8/18 W12BV new LPTV Home Shopping Net dual ID with LPTV ch 24 in Belle Meade. That's it 73's Tom.

Saul Chernos POB 611 Orillia ON L3V6K5 (705) 327- 7809

													Assess	ot 1080		
								n man datah					2316	WESH		FL
	0614	010-	20	UN	21	Es	2130	WBRZ	2	LA				KDFW		TX
		CIC-		ON	17	Tr	0700	CICA12	12	ON				WPBT		FL
		WFYF		NY			1989							WDIO		AL
	0110	WCNY		NY			2124	WWL.	4	LA		-		KPRC		TX
		CICO24		ON			1730			FL	24	Es	1633	WBRZ		LA
		CIC-	42	ON	5.70	7.7	1989	T 1775CH 1	-	-				CIC-	-42	ON
2 Tr	0030	CIC-	55	ON				River			24	Tr	0545	CIC-	55	ON
July	1989				775	2002		n.					0945	CITY31	31	ON
7.7	1000				31	Es	1900	KUSD	2	SD			0915	CB	56	ON
8 Es	1330	KJRH	2	OK				WXXI	21	NY				CB-	20	ON
		WUHF	31	NY			0630	CIC-	53	ON				WUTV	29	NY
		CHAR	27	ON			0626	WNYB	49	NY				CBLFT15	34	ON
		WNEQ	23	NY				CBLFT12	44	ON				WNED	17	NY
8 Tr	0100	WNED	17	NY				CBLFT14	32	ON	23	Tr	0840	CBLFT13	15	ON
	From	Orillia	19	89	2	tr	0625	CBLFT13	15	ON	22	Es	1100	KPRC	2	TX
JULIE	TAGA															

Note's; CH 27 ON is Global, CIC is tv Ontario//19 Toronto 1905 KNOP it's just that Im not sure of call's.7/2 CBC French sta 2310 KSNC tion's were in on 15,32,44 with test pattern from WVIZ 25

Cleveland OH, Here ch was empty, indicating Toronto was not sending out a signal. So I suspect the 3 French outlet's I did get were getting DX from Cleveland. Station's I logged were listed as CB- are CBC English station's, not sure of call's. But in this case they're not alway's //25 Toronto, some are on earlier with different programming even before Toronto sign's on.

Robert and Vicky Grant, c/o 5775 Bishop Detroit MI 48224

We are presently at a new QTH less than one mile from the old one, but will probaly be be moved out before you read this. (Probably to the ST Joseph MI area, a DXer's nightmare with snowfree signal's from Chicago, Milwaukee, Kalamazoo/G.R. and the South Bend TV station's-bombarded by FOUR market's!) (Ed. Note; I thought my area was bad Hi ! -BN)

12 May (Carelton) Breif Es KBTX - 3 TX @ 1200 (1060 ml).14 May much better Es opening 2000 KENW-3 NM and station and state, turn to 4 "60 Minute's" starting, zero offset (0- WDIV), MDT, hence KDBC-4 TX (1450 ml.) new and best DX from Carelton station never seen at Detroit nor Honor ..... Still 2000 KAVE-6 NM (1300)KAMR-4 TX (1090) (ID) all new. No Es noted in June! (perhap's because I had no access to TV while on afternoon shift job, and DXing was out of the question in mid June). 4 July Carelton a dynamite Es opening 1800 WCPX-6 FL (935) absolutely CATV quality with NX on car crash nr Disney WORLD .WTVJ-4 FL(1120) so strong I wouldn't have known WDIV were ever there!new logo with NBC peacock. WCIX-6 FL (1150) using old logo but with the CBS "eye" in the same place the "33" used to be (defunct xltr) in the old logo . WPTV-5 FL (1080)xlnt. all above new Drive from C'ton to Detroit and TX FM on car stereo, unid's on 107.9.3 August (Detroit) Tr 0000 WICD-15 IL (305) new and 150th UHF, So. Bend U's in, 0100 11 0-beat WIOL (minus) fading in/out ,must be KPLR-MO or KARE-MN. 7 20khz-WXYZ w/NBC ,kept with it to see if it was KWWL or WPBN, 0130 turned out to be the latter ( burmer 190 mi). 4 August Es 2330 SRC on 3,ID as Manitoba @2340, CBWFT-3 MB (861). 2355 unid-2 z or -,think"Dr Who" but not sure, KTCA ? These first 10 day's of August had Es almost every night, but usually only very weak, MUF ch 2.remind's me of 1979 at Honor, but on those night's I didn't WJBK to deal with Those were the day's!..... WADL-38 Mount Clemen's is on the air, The first 5,000,000 watt LPTV featuring Home Shopping Spree in the afternoon's and Hit Video USA evening's.WDIV-4 will not become WWJ again ,Post/NX Week say's "no sale". WSYM-47 rumored to be possible future ABC affiliate (back when WXYZ-7 was ABC 0 & 0, ABC wanted Lansing to watch them (at 70-80 mile's good luck -RG) but WJRT-12 serve's them there with xmtr west of Flint.

Eastern TV DX

September 1989	October 1989 cont	October 1989
	occoder 1707 cone	occoper 1909
6 Tr 2345 CKLT 9 NB 345 7 Tr 2200 CBHFT5 46 NS 377 2215 CBHFT1 3 NS 279 2220 CBHT6 8 NS 377 2230 CIHF 9 NS - (MTTV) 2250 CBAFT5 31 PEI 481 2258 CBHFT8 34 NS 315 2300 WMED 13 ME 288 2305 CBHT73 11 NS 279 8 Tr 0136 CJCH6 6 NS 336 0150 CBHFT6 58 NS 324	23 Tr 2315 WUNJ 39 NC 660 WINM 19 NC 577 WYED 17 NC 592 2330 WNCT 9 NC 565 WITN 7 NC 565 WITN 7 NC 565 WJKA 26 NC 660 24 Tr 0030 WPTF 28 NC 591 0118 WPDE 15 SC 688 0200 WKFT 40 NC 616 0217 WFCT 62 NCt652 0220 WGGT 48 NC 635	24 Tr 2300 WLFL 22 NC 600 WTVO 11 NC 591 230 CBHFT546 NS 377 Back of ant 2340 WPDE 15 SC 688 25 Tr 0100 WPDE 15 SC on 52 Craddockwille VA 0115 WBTW 13 SC 687 0200 WECT 6 NC 644 0230 WNCT 9 NC 565 WTCS 28 SC 855
0150 CBHF16 58 NS 324 0152 CBHF17 52 NS 324 0230 CJCH1 10 NS 398 0242 CBHF1 13 NS 408 0245 CJCH 5 NS 408 0247 CJGH7 40 NS 279 0252 CIHF 18 NS 452 (CTHF 8 MITV) 0255 CIHF 20 NS — (CTHF 8 MITV) 0310 W22?? (WPVI 6 PA)  ———————————————————————————————————	Home Shopping Spree  0230 WCTI 12 NC 577  0340 WLTX 19 SC 757  Movie great's network  0400 WRIG 16 NC 614  0844 WUNP 36 NC 533  0849 WGGT 48 NC 635  0915 WTVI 42 NC 705  0920 WUNK 25 NC 562  0928 WJZY 46 NC 713  0930 WGNT 27 VA 455  call change, celebrity	0246 WCTI 12 NC 577 0830 WLNK 25 NC 562 WRLK 35 SC 763 WLTX 19 SC 757 29 Tr 2305 WHMM 32 MD 388 2340 WHSW 24 MD 361 WIVZ 33 VA 457 30 Tr 0001 WCNT 27 VA 455 0010 WHRO 15 VA 457 November 1989  13 Tr 1730 WMDT 47 MD 345 WCPB 28 MD 345
(coastal MD,VA,DC also in this AM)	shopping, went to work late 1300 Home for lunch	WBOC 16 DE 341
October 1989 1 Tr 2326 WSKG 46 NY 277 2329 WMGC 34 NY 277 2 Tr 0030 WVER 28 VT 191	had to check 17,22,19,26,28,36,39 48 NC,1% SC 43 SC t Could not belive it	A nice opening to the North and then to the South Did not get much sleep around Oct 23,24 and 25.0n those date's not much of DC and
(rare)	some near local quality.	and Baltimore seen and if so weak. Nothing further than WTGS 28 SC.

J	eff	Falconer	Box 63 C	Clinton	ON	NØM	1L0										
Ji	uly	1989															
9	Es	1229 KOTA 1230 KTVS	3 00 11	L20	22		1831	KTIV KSNB	4	IA NE	746 878	2	etri		LPI	V	???
		1300 KDUH 1340 CJSS						KPRC			1237			WBNS	10		263
		1352 CKYB			22	Pa.		KBTX KENW			1201 1375			WITE	28		248
		1400 KGFE		352	23			KSNC		KS	966			WPTO WPTD	14 16		329 303
		1427 CKCK			24			KPRC			1237		0647		45		303
		1430 CKND	2 MB 9	989				WBRZ			1060			W67AL			???
		1500 WTOM	2 MI 2	200				KTBS			1009		0034	xltr			Z 25
18	Es	1558 WWL	4 LA 10		25			WESH			1011		0659	WILW		OH	240
		1600 WESH			26	Tr	0100	WNDU	16	IN	277		0726	WSFJ		OH	257
		1658 WEAR		956				CICA			105		0730	WIJC	26	OH	283
		1659 WKRG		956				CITY			105		0800	WOAC	67	OH	186
		1700 WBRZ			-			CFMT			105			WNDU	16		277
		1804 WDSU			31			KNOP		SD	993	10		WICD	15		411
		1900 KTBS 2200 WLBT		921				KOTA			1082	3	0000		46		275
22	Fe	1330 KLNE		946				KTVS			1120		0001		54		227
		1351 KCNC						KIWO KGWN			1248 1208		0002		58	1	324
		1359 KRMA						KLBY			1068			WISH		IN	353
		1400 KTVS	3 CO 11					KDUH			1101		0023		59 18		353 324
		1757 KSNW		28				KBME		ND	962			WZZM	13		223
		1759 KQIV	2 MO 7	757				-		1.100			0043		17		454
22		1800 KTVO		589				st 198		-	100			WXMI	17		214
22		1801 WDAF		747	2			CFTO			105		0054		28		276
		1.812 KSNC	2 KS 9	966				WUIV WNYB			134 162		0057			IL	400

Jeff Falconer's report	continued	from preceedin page	
August 1989			
3 Tr 0059 WFHL 23 IL 0107 WRSF 55 IL 0130 WIII 64t0H 0147 WCIU 26 IL WFLD 32 IL 0148 WHMB 40 IN 0204 WCGV 24 WI 0219 WKEF 22 0H 0226 WGN 9 IL 0228 WHBF 4tIL 0236 WLUK 11 WI 0244 WGC 6 IA 0245 WRIV 6 IN 0249 WQRF 39 IL 0253 WXIX 19 KY	487 346 333 333 324 304 304 479 328 478 353 399 344	s 1500 KMID 2 TX 1377 1604 KTFDX 3 TX 1133 1756 KSNC 2 KS 928 1759 KENW 3 NM 1375 1800 KSWK 3 KS ???? new station in Lakin // to KOOD-9 Hay's 1800 KACV 2 TX 1219 1801 KAMR 4 TX 1222 1829 KNWZ 2 NM 1428 1851 KNOP 2 NE 933 1900 KLBY 4 KS 1068 2312 KWGN 2 CO 1249 2317 KSNC 2 KS 928 r 2330 WBAY 2 WI 329 s 1157 KPRC 2 TX 1237	9 Es 2300 KQIV 2 MO 757 2309 WEAR 3 FL 956 2310 WIVJ 4 FL 1216 2311 KSNC 2 KS 966 2317 KTBS 3 LA 1009 2323 WJXT 4 FL 919 2328 WDIQ 2 AL 873 10 ES 0000 KDFW 4 TX 1130 0004 WBRZ 2 LA 1060 0030 KDFX 3 TX 1133 0047 KJRH 2 0K 914 Tr 0319 WJVV 18 WI 324 13 Tr 0515 WBNS 10 0H 263 17 Tr 1816 WANE 15 IN 256 1820 WNDU 16 IN 277 1852 WCIU 26 IL 334
0257 WISN 12 WI 0258 WKRC 12 OH 0308 WITT 6 WI 0321 WITB 63 IN 0356 WHO 7 OH 0359 WCPO 9 OH 0521 WWIV 9 MI	327 327 327 324 377 302 346 196	1658 CKCW 2 NB 831 1700 CJCB 4 NS 1054 1709 CBHT 3 NS 884 1721 CJCN 4 NF 1298 1726 WLBZ 2 ME 639 1745 CBSET 3 PQ 838 1802 CHSJ 4 NB 760	1858 WMCC 23 IN 330 18 Tr 2100 WCIU 26 IL 334 2353 KLJB 18 IA 479 19 Tr 1619 WDJT 58 WI 324 2002 WCFC 38 IL 333 2315 WANE 15 IN 256 30 Es 1714 KPRC 2 TX 1237
0529 WWUP 10 MI 0531 WJHL 11 TN 0539 WOTV 8 MI 0540 WBEM 2 IL 0557 WIFR 23 IL 0559 WSBT 22 IN	213 496 6 E 213 333 399 277	1826 CJCH 5 NS 1055 s 1256 KACV 2 TX 1219 1257 KMID 2 TX 1377 1813 KSNC 2 KS 966 1836 WWL 4 LA 1055 1857 KTBS 3 LA 1009	1724 KATC 3 LA 1110 1745 KJAC 4 TX 1153 1900 KJRH 2 OK 914 September 1989 18 Tr 1857 WVIV 18 WI 324
0619 WEHS 60 IL 0627 WMAQ 5 IL 0630 WMCC 23 IN 0634 WYCC 20 IL	334 333 330 333	1859 KETS 2 AR 851 1959 KTVQ 2 MT 1327 2100 KOUS 4 MT 1311 2256 KTWO 2 WY 1248	1900 WDJT 58 WI 324 Au 2100 Many un ID 's on low VHF 20 Tr 1743 WFLD 32 IL 333
	/ 4 IA state	2258 KOTA 3 SD 1082 r 2310 CIII7 7 ON 126 #24,KENW 3 NM State #25	1744 WGBA 26 WI 327 1758 WPNE 38 WI 329 November 1989
state # 26 KGWN state#27 if you in OH.8/4 CJCB	5 WY loggir go by the o NS province	FM band7/31 KTWO 2 WY g #200.8/3 WXIX 19 KY ity of license xmtr is e #6, WLBZ 2 MEstate #	4 Es 1224 KPRC 2 TX 1237 1243 KMOL 4 TX 1353
very little ES it has day with Tr in the mon I have seen WHMB on 34 gramming directly off the air & CBLN2-34 sta	made a coup rning and the before. I the air from ay's on with superimposin	le of good appearance's it e afternoon Es.8/3 WHMB 4 hink it's becauseCBLN2-34 m CBLN 40 in London.Late! colr bar's or open carri g them over it's color ba	's; After a few week's with in August. August 3 was great 40 also appeared on ch 34. 4 in Sarnia get's it's proly CBLN sign's completly offier. Could CBLN2 be picking uar's? August log up to 250.

Jeff Wolf 1131 University Blvd	W Apt 701 Silver Spring MD 20902
June 1989	
29 Tr 0212 NC 28 Es 1800 KJRH 2 OK 1031 1858 KETS 2 AR 30 Tr 0919 OHIO tent 16.24,25,36,43 45 both 0936 WGTE 30 OH 378	30 Tr 2020 WRDG 16 NC 251 2119 WTVD 11 NC 246 Es 2259 KJRH 2 OK 1031 2300 WJKS 17 FL 653 2 Es 0005 KBTX 3 TX 1225 2305 WAWS 30 FL 653 0115 WPBT 2 FL 900 1747 Cuba? 3 0757 WPBT 2 FL 900 0323 WJKT 37 VA 226 0803 MJE 4 900
to MIt 31 WGVC 35 1030 WNDU 16 NC 509 Tr 1944 NC 17,22,28,40 Es 2013 KTBS 3 LA 983 2017 KBIX 3 TX	0322 WVFT 27 VA 226 0803 MUF 4 0800+WJKS-WAWS-WYED Tr 0820 NC 16,17,28,40 -17, NC 11,40 allday Es 0859 KUSD 2 SD 1050 0916 WRDG 16 NC 251 0900 KBIX 3 TX 100% 1127 FL fade/out's 0930 KTBS 3 LA 983

Roy Barstow PO Box 488-T Tea Ticket Mass 02536

September 1989	October 1989 cont	October 1989
6 Tr 2345 CKLT 9 NB 345 7 Tr 2200 CBHFT5 46 NS 377 2215 CBHFT1 3 NS 279 2220 CBHT6 8 NS 377 2230 CHF 9 NS - (MTTV)	23 Tr 2315 WUNJ 39 NC 660 WUNM 19 NC 577 WYED 17 NC 592 2330 WNCT 9 NC 565 WITN 7 NC 565 WJKA 26 NC 660 24 Tr 0030 WPTF 28 NC 591	24 Tr 2300 WLFL 22 NC 600 WTVO 11 NC 591 2330 CBHFT546 NS 377 Back of ant 2340 WPDE 15 SC 688
2250 CBAFT5 31 PEI 481 2258 CBHFT8 34 NS 315 2300 WMED 13 ME 288 2305 CBHT73 11 NS 279 8 Tr 0136 CJCH6 6 NS 336 0150 CBHFT6 58 NS 324 0152 CBHT7 52 NS 324 0230 CJCH1 10 NS 398 0242 CBHFT 13 NS 408 0245 CJCH 5 NS 408	2330 WNCT 9 NC 565 WITN 7 NC 565 WITN 7 NC 565 WITN 26 NC 600 24 Tr 0030 WPTF 28 NC 591 0118 WPDE 15 SC 688 0200 WKRT 40 NC 616 0217 WFCT 62 NCt652 0220 WGGT 48 NC 635 Home Shopping Spree 0230 WCII 12 NC 577 0340 WITX 19 SC 777 Movie great's network 0400 WRDG 16 NC 614 0844 WNNP 36 NC 533 0849 WGGT 48 NC 635 0915 WTVI 42 NC 705 0920 WNNK 25 NC 562 0928 WJZY 46 NC 713 0930 WCNT 27 VA 455 call change, celebrity shopping, went to work late 1300 Home for lunch had to check 17,22,19,26,28,36,39 48 NC,1% SC 43 SC t Could not belive it some near local quality.	5 Fr 0100 WPDE 15 SC on 52 Craddockville VA 0115 WBTW 13 SC 687 0200 WECT 6 NC 644 0230 WNCT 9 NC 565 WTGS 28 SC 855 0246 WCTI 12 NC 577 0830 WUNK 25 NC 562 WRLK 35 SC 763 WLTX 19 SC 757 29 Tr 2305 WHMM 32 MD 388
0247 CJCH7 40 NS 279 0252 CHFF 18 NS 452 (CTHF 8 MITV) 0255 CHFF 20 NS — (CTHF 8 MITV)	0400 WRDG 16 NC 614 0844 WUNP 36 NC 533 0849 WGGT 48 NC 635 0915 WIVI 42 NC 762	2340 WHSW 24 MD 361 WIVZ 33 VA 457 30 Tr 0001 WGNT 27 VA 455 0010 WHRO 15 VA 457
0310 W22?? (WPVI 6 PA)	0928 WJZY 46 NC 713	November 1989
0725 CBHT2 7 NS 308 0747 CBHT10 24 NS 315 (coastal MD,VA,DC also in this AM)	0930 WCMI 27 VA 455 call change,celebrity shopping,went to work late	13 Tr 1730 WMDT 47 MD 345 WCPB 28 MD 345 WBOC 16 DE 341
October 1989	1300 Home for lunch had to check	A nice opening to the North
1 Tr 2326 WSKG 46 NY 277 2329 WMGC 34 NY 277 2 Tr 0030 WVER 28 VT 191 (rare)	17,22,19,26,28,36,39 48 NC,1% SC 43 SC t Could not belive it some near local quality.	and then to the South Did not get much sleep around Oct 23,24 and 25.0n those date's not much of DC and and Baltimore seen and if so weak. Nothing further than WIGS 28 SC.
	and the same of th	
Jeff Falconer Box 63 Clinton	n ON NOM 1LO	
July 1989	22 7 4222	
1230 KIVS 3 00 1120 1300 KDUH 4 NE 1101 1340 CISS 3 SA 1088 1352 CKYB 4 MB 1352 1400 KGFE 4 ND 852 1427 CKCK 2 SK 1176	22 ES 1829 KTIV 4 1A 746 1831 KSNB 4 NE 878 2000 KPRC 2 TX 1237 2200 KBTX 3 TX 1201 23 ES 1230 KENW 3 NM 1375 1301 KSNC 2 KS 966 24 ES 1724 KPRC 2 TX 1237	2 Tr 0111 W26?? 26 MI ???  Detriot LPTV 0300 WBNS 10 0H 263 0354 WITE 28 0H 248 0625 WPTO 14 0H 329 0644 WPTD 16 0H 303 0647 WRCT 45 0H 303
1430 CRND 2 MB 989 Tr 1500 WTOM 2 MI 200 18 Es 1558 WML 4 LA 1055 1600 WESH 2 FL 1011 1658 WEAR 3 FL 956 1659 WKRC 5 AL 956	1727 WBRZ 2 LA 1060 1800 KTBS 3 LA 1009 25 Es 0008 WESH 2 FL 1011 26 Tr 0100 WNDU 16 IN 277 0104 CICA 19 ON 105 0107 CITY 57 ON 105	0654 W67AL 67 OH ??? xltr of WVIZ 25 0659 WILW 44 OH 240 0726 WSFJ 51 OH 257 0730 WITC 26 OH 283 0800 WOAC 67 OH 186
1700 WBRZ 2 AL 1060 1804 WDSU 6 LA 1050 1900 KTES 3 LA 1009 2200 WLBT 3 MS 921 22 Es 1330 KLNE 3 NE 946 1351 KCNC 4 CO 1249 1359 KRMA 6 CO 1250 1400 KTVS 3 CO 1120 1757 KSNW 3 KS 928	22 Es 1829 KTIV 4 IA 746 1831 KSNB 4 NE 878 2000 KPRC 2 TX 1237 2200 KBTX 3 TX 1201 23 Es 1230 KENW 3 NM 1375 1301 KSNC 2 KS 966 24 Es 1724 KPRC 2 TX 1237 1727 WBRZ 2 IA 1060 1800 KTBS 3 IA 1009 25 Es 0008 WESH 2 FL 1011 26 Tr 0100 WNDU 16 IN 277 0104 CICA 19 ON 105 0107 CTTY 57 ON 105 0118 CFMT 47 ON 105 31 Es 1924 KNOP 2 SD 993 1929 KOTA 3 SD 1082 1930 KTVS 3 CO 1120 1948 KTWO 2 WY 1248 1950 KGWN 5 WY 1208 1959 KLBY 4 KS 1068 2020 KDUH 4 NE 1101 2100 KBME 3 ND 962 August 1989 2 Tr 0021 CFTO 9 ON 105 0035 WIVV 29 NY 134 0052 WNYB 49 NY 162	2358 WNDU 16 IN 277 2359 WICD 15 IL 411 3 Tr 0000 WHME 46 IN 275 0001 WILJ 54 MI 227 0002 WDJT 58 WI 324 0014 WISH 8 IN 353 0023 WWIN 59 IN 353 0029 WJTV 18 WI 324
1759 KQTV 2 MO 757 1800 KTVO 3 MO 589 1801 WDAF 4 MO 747 1812 KSNC 2 KS 966	August 1989 2 Tr 0021 CFTO 9 ON 105 0035 WUIV 29 NY 134 0052 WNYB 49 NY 162	0043 WAND 17 IL 454 0045 WMI 17 M 214 0054 WSJV 28 IN 276 0057 WNNS 27 IL 400

Eastern TV DX	May 1990
Jeff Falconer's report continued from preceedin page	
August 1989	
3 Tr 0059 WFHL 23 IL 456 3 Es 1500 KMID 2 TX 1377 0107 WRSP 55 IL 487 1604 KFDX 3 TX 1133 0130 WTTT 64t0H 346 1756 KSNC 2 KS 928 0147 WCTU 26 IL 334 1759 KENW 3 MM 1375 WFLD 32 IL 333 1800 KSWK 3 KS ???? 0148 WFMB 40 IN 353 new station in Lakin	9 Es 2300 KQIV 2 MO 757 2309 WEAR 3 FL 956 2310 WIVJ 4 FL 1216 2311 KSNC 2 KS 966 2317 KTBS 3 LA 1009 2323 WJXT 4 FL 919
0204 WCGV 24 WI 324	2328 WDIQ 2 AL 873 10 Es 0000 KDFW 4 TX 1130 0004 WBRZ 2 LA 1060 0030 KDFX 3 TX 1133 0047 KJRH 2 0K 914
0244 KWCC 6 IA 478 1900 KLBY 4 KS 1068 0245 WRTV 6 IN 353 2312 KWCN 2 CO 1249 0249 WCRF 39 IL 399 2317 KSNC 2 KS 928 0252 WLFI 18 IN 344 Tr 2330 WBAY 2 WI 329 0253 WXIX 19 KY 347 4 Es 1157 KPRC 2 TX 1237 0257 WISN 12 WI 325 1658 CKCW 2 NB 831	Tr 0319 WVIV 18 WI 324 13 Tr 0515 WBNS 10 OH 263 17 Tr 1816 WANE 15 IN 256 1820 WNDU 16 IN 277 1852 WCIU 26 IL 334 1858 WMCC 23 IN 330
0258 WKRC 12 OH 347 1700 CJCB 4 NS 1054 0308 WTTT 6 WI 324 1709 CBHT 3 NS 884 0321 WIIB 63 IN 377 1721 CJCN 4 NF 1298 0356 WHTO 7 OH 302 1726 WLBZ 2 ME 639 0359 WCPO 9 OH 346 1745 CBSET 3 PQ 838	18 Tr 2100 WCIU 26 IL 334 2353 KLJB 18 IA 479 19 Tr 1619 WDJT 58 WI 324 2002 WCFC 38 IL 333 2315 WANE 15 IN 256
0521 WITV 9 MI 196 1802 CHSJ 4 NB 760 0529 WWUP 10 MI 213 1826 CJCH 5 NS 1055 0531 WJHL 11 TN 496 6 Es 1256 KACV 2 TX 1219 0539 WOTV 8 MI 213 1257 KMID 2 TX 1377 0540 WBBM 2 IL 333 1813 KSNC 2 KS 966	30 Es 1714 KPRC 2 TX 1237 1724 KATC 3 TA 1110 1745 KJAC 4 TX 1153 1900 KJRH 2 OK 914 September 1989
0557 WTFR 23 IL 399 1836 WWL 4 LA 1055 0559 WSBT 22 IN 277 1857 KTBS 3 LA 1009 0619 WEHS 60 IL 334 1859 KETS 2 AR 851 0627 WMAQ 5 IL 333 1959 KTVQ 2 MT 1327 0630 WMCC 23 IN 330 2100 KOUS 4 MT 1311	18 Tr 1857 WVIV 18 WI 324 1900 WDJT 58 WI 324 Au 2100 Many un ID 's on low VHF
0634 WYCC 20 IL 333 2256 KTWO 2 WY 1248 0712 WKJG 33 IN 256 2258 KOTA 3 SD 1082 0759 WGVK 52 MI 229 8 Tr 2310 CIII7 7 ON 126	20 Tr 1743 WFLD 32 IL 333 1744 WGBA 26 WI 327 1758 WPNE 38 WI 329
Note's;7/22 KTIV 4 IA state#24,KENW 3 NM State #25	November 1989
7/25 0008 Muf breifly into FM band7/31 KTWO 2 WY state # 26 KGWN 5 WY logging #200.8/3 WXIX 19 KY state#27 if you go by the city of license xmtr is in OH.8/4 CJCB 4 NS province #6, WLBZ 2 MEstate #	4 Es 1224 KPRC 2 TX 1237 1243 KMOL 4 TX 1353
28,CHSJ province # 7.8/6 KTWQ 2 MT sate #29.Comment very little ES it has made a couple of good appearance's day with Tr in the morning and the afternoon Es.8/3 WHMB 4 I have seen WHMB on 34 before.I think it's becauseCBLN2-34 gramming directly off the air from CBLN 40 in London.Late! the air & CBLN2-34 stay's on with colr bar's or open carriwHMB off the air and superimposing them over it's color be Nice to see some Es on Nov 4 although it was short lived a	in August.August 3 was great 40 also appeared on ch 34. 4 in Sarnia get's it's pro 19 CBLN sign's completly off ier.Could CBLN2 be picking u ar's? August log up to 250.
eff Wolf 1131 University Blvd W Apt 701 Silver Spring MD	20902
une 1989	WV / Vik

Julie 1707		
29 Tr 0212 NC 28		7.1.00
Es 1800 KJRH 2 OK 1031	30 Tr 2020 WRDG 16 NC 251	1 Tr 2005 WKFT 40 NC 265
1858 KETS 2 AR	2119 WIVD 11 NC 246	Es 2259 KJRH 2 OK 1031
30 Tr 0919 OHIO tent	2300 WJKS 17 FL 653	2 Es 0005 KBTX 3 TX 1225
16.24,25,36,43	2305 WAWS 30 FL 653	0115 WPBT 2 FL 900
45 both	July 1989	0747 Cuba? 3
0936 WGTE 30 OH 378	1 Tr 0303 WTGS 28 SCt	0757 WPBT 2 FL 900
to MIt 31 WGVC 35	0322 WVFT 27 VA 226	0803 MUF 4
1030 WNDU 16 NC 509	0800+WJKS-WAWS-WYED	Tr 0820 NC 16,17,28,40
Tr 1944 NC 17,22,28,40	-17, NC 11,40 allday	Es 0859 KUSD 2 SD 1050
Es 2013 KTBS 3 LA 983	0916 WRDG 16 NC 251	0900 KBTX 3 TX 1225
		0930 KTBS 3 LA 983
2017 KBTX 3 TX	1127 FL fade/out's	0330 11100 3 111 300

continued on next page

asteri	II IV DA			Tady 2000
		Jeff Wolf's	report continue's	
2 Es	0959 WBRZ 2 LA 950	11 Tr 0030	MIND 11 NC 2/6	6 E- 1917 Cabo 3
	1230 KJRH 2 OK 1031	Fc 1801	K 100 11 NC 240	0 ES 1017 GUDA 3
	1329 WBRZ 2 LA 950	1927	Cuba 3	1000 UDDT 2 FT 900
	1648 MUF 2-4	13 Fe 2130	KIISD 2+SD	1900 MEDI 7 LT 300
	1729 KBTX 3 TX 1225	1/ Ec 2111	Mif 2	7 P. 1000 MEE 2
	1810 KTBS 3 LA 983	17 Ec 1922	Cuba 3	7 ES 1800 MUF 2
	1830 KFDX 3 TX	1, 55 1023	LIDRY 2 ET 000	8 17 U/SU WC11 12 NC 209
Tr	1840-2315 NC 16,17,28,	1900	WPBI Z FL 900	WUNK 25 NC 244
	40.11, VA 40	1922	WEDU STFL	9 Es 1800 MUF 2
	2353 WUND 2 NC 219	1959	WESH Z FL /ZU	12 Es 1145-1441 Mut 2
Tr	0651 WYED 17 NC 248	18 ES 1859	CUBA 3	13 Tr 0815 NC 17.28.40
Es	1829 KNOP 2 NE 1234	2000	KPRC 2 TX 1235	1117 OH 25,43
	1930 WRRZ 2 LA 950	2030	KATC 3 LA 1000	1215 WKFT 40 NC
	2015 WMAR 2 MS	21 Es 1816	Muf 4	Es 1230 MUF 2
	2035 MITE /	1909	KPRC 2 TX 1235	14 Es 2033 MUF 2
	2100 LT RT 3 MS	1914	KATC 3 LA 1000	18 Es 0827 KPRC 2 TX 1235
	2220 MEDI 3 FE 9/6	2044	KETS 2 AR	0844 MUF 92.9
	2220 WEDU 3 FL 040	2049	KTCA 2 MN 867	0859 KETS 2 AR
	2223 KAIC 3 LA 1000	22 Es 1045	KTBS 3 LA 983	0900 KTBS 3 LA
	2238 KJRH 2 UK 1031	1700	KUSD 2 SD 1050	0908 KJRH 2 OK 1031
/ m	2300 KBIX 3 IX 1225	1721	KDLO 3 local	0919 KARK 3 AR
4 Es	0011 KJRH 2 OK 1031	29 Tr 0850	WPTF 28 NC	25 Fs 1958 KUSD 2 SD 1050
Tr	0555 NC,16,22,28	Es 0932	Muf 2	2125 KETS 2 AR
Es	0900 WBRZ 2 LA 950	30 Es 0045-	-0137 MUF 2	27 Tr 2015 WYED 17 NC 248
	1615 KIII 3 TX	0708	WPTF 28 NC 248	28 Tr 0658 WICE 49 VA 158
	1628 KATC 3 LA 1000	0,00	WET 48 NC 265	20 Tr 0000 WOCD 45 VA 130
	1640 WLBT 3 MS	0729	WCTT 12 NC 260	0000 UREEN AD MC 365
	1650 KPRC 2 TX 1235	0720	LIVED 17 NC 269	0000 WKF1 40 NC 200
	1744 WBTV 3 NC 345	U914	WIED 17 NC 246	0018 WYED 17 NC 248
	1822 KBTX 3 TX 1225	ES 1114	CUDA 3	0125 WLFL 22 NC 248
	1900 MUF 95.7 to IA	31 Es 1829	KICA 2 MN 867	0705 WKFT 40 NC 265
	2000 KTAC 4tTX	1957	KOTA 3 SD 1361	0725 WGGT 48 NC 256
5 Fe	1734 Cuba 3	1959	KACV 2 TX 1164	30 Tr 0137 WPTF 28 NC 248
2 1,3	17/0 Orbo 2	2015	KSNW 3 KS 1050	WRDG 16 NC 251
	1924 VDIO 2 CD	2057	KJRH 2 OK 1031	0251 WIVD 11 NC 246
	1003 MITE E	August 1000		0308 WCTI 12 NC 269
	2000 LIDDER 3 ET 000	August 190	,	Es 1800 KJRH 2 OK 1031
c 171-	2000 WPB1 2 FL 900	3 Tr 0120	NC 16,17,22,28,40	1827 KUSD 2 SD 1050
b Es	1238 WLB1 3 MS	0708	NC 22,28,40	1849 MUF 5
	1301 WMAB 2 MS	Es 1827	Cuba 3	1902 KDLO 3 SD
	1316 KFDM 6 TX 1117	1839	Muf 4	1957 KTCA 2 MN 867
	1533 KTBS 3 LA 983	Tr 2300	NC 17 28	31 Tr 0200 LIVET 27 VA 226
	1632 Cuba 2 t	/ Fc 2058	VCEE 2 ND	31 11 0200 WVF1 27 VA 220
	1650 KETS 2 AR	4 ES 2036	CDC 2 22	September 1989
7 Es	1918 WPBT 2 FL 900	2149	UDG 3 ::	0.00.0010.111.77
	1930 Cuba 3 local	T- 2200	KDLH 3 MN	8 Tr 0/13 WV 44
	quality w/canal 6 ID	TT 2328	WLFL ZZ NC Z48	0730 WVIT 30 CT 283
	1950 KOET 3 OK	Tr 2328	VA 12,35 s/f	0750 WNEP 16 PA 160
	2044 MUF 93.7	2353	WGGT 48 NC 256	9 Tr 0633 WPTF 28 NC 248
	2259 KTRS 3 LA 983	Harvest-coarges we	WIVD 11 NC 246	WKBN 27 OH 238
R Fe	0000 PPPC 2 TV 1235	5 Es 0000-	-0016 MUF 2	14 tr 0730 WPDE 15 SC 349
0 110	0000 KIKC 2 IA 1255	Tr 0131	W41AC VA 114	0800 WFMY 2 NC 269
Tro-	005/ NC 11 17 22 29 40	0141	SC 15,24	19 Gw 2211 W48?? VA
	1007 /0 NC 256	0232	WCTI 12 NC 269	was W14AA VA
11		0243	WJKA 26 NC 344	
IT F-	OOSO MOST 3 OF		TETTOWN O CONT. 4 O.O.F.	
Es	0059 KOET 3 OK	Es 2015	KFDX 3 TX 1225	
Es	0059 KOET 3 OK 0118 KJRH 2 OK 1031	Es 2015 2110	MUF 4	AND DESCRIPTION OF THE PARTY OF
Es Tr	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC	Es 2015 2110 6 Tr 0102	MUF 4 NC 16-22-28	Many un-ID's with E8 open
Es Tr	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC WCTI 12 NC	Es 2015 2110 6 Tr 0102-	MUF 4 -NC 16,22,28 NC 17 28	Many un-ID's with E8 opening's on July 2,3,4,5,7,8,
Es Tr Es	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC WCTI 12 NC 2043 Cuba 3	Es 2015 2110 6 Tr 0102- 0805	MUF 4 -NC 16,22,28 NC 17,28	Many un-ID's with E8 open ing's on July 2,3,4,5,7,8, and 9.Correction KACV on
Es Tr Es 9 Es	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC WCTI 12 NC 2043 Cuba 3 0759 KUSD 2 ND	Es 2015 2110 6 Tr 0102- 0805 Es 1022	MUF 4 NC 16,22,28 NC 17,28 MUF 4	Many un-ID's with E8 open ing's on July 2,3,4,5,7,8, and 9.Correction KACV on 7/31 should be Amarillo TX
Es Tr Es 9 Es	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC WCTI 12 NC 2043 Cuba 3 0759 KUSD 2 ND 1059 KXMA 2 ND	Es 2015 2110 6 Tr 0102- 0805 Es 1022 1129	MUF 4 4	Many un-ID's with ES open ing's on July 2,3,4,5,7,8, and 9.Correction KACV on 7/31 should be Amarillo TV at 1337 mile'sMany IN
Es Tr Es 9 Es	0059 KOET 3 OK 0118 KJRH 2 OK 1031 0130 WJKA 26 SC WCTI 12 NC 2043 Cuba 3 0759 KUSD 2 ND 1059 KYMA 2 ND 1131 KXJB 4FND	Es 2015 2110 6 Tr 0102- 0805 Es 1022 1129	MUF 4 NC 16,22,28 NC 17,28 MUF 4 WREG 3 TN 767 KTBS 3 LA 983	Many un-ID's with ES open ing's on July 2,3,4,5,7,8, and 9.Correction KACV on 7/31 should be Amarillo TX at 1337 mile'sMany UN ID's on 7/31 and Aug. 6.6
Es Tr Es 9 Es	0959 WBRZ 2 LA 950 1230 KJRH 2 OK 1031 1329 WBRZ 2 LA 950 1648 MUF 2—4 1729 KBTX 3 TX 1225 1810 KTBS 3 LA 983 1830 KFDX 3 TX 1840–2315 NC 16,17,28, 40,11, VA 40 2353 WUND 2 NC 219 0651 WYED 17 NC 248 1829 KNOP 2 NE 1234 1930 WBRZ 2 LA 950 2015 WAB 2 MS 2035 MUF 4 2100 WLBT 3 MS 2220 WEDU 3 FL 846 2225 KATC 3 LA 1000 2338 KJRH 2 OK 1031 2300 KBTX 3 TX 1225 0011 KJRH 2 OK 1031 2300 KBTX 3 TX 1225 0011 KJRH 2 OK 1031 0555 NC,16-22,28 0900 WBRZ 2 LA 950 1615 KIII 3 TX 1628 KATC 3 LA 1000 1640 WLBT 3 MS 1650 KPRC 2 TX 1235 1744 WBTV 3 NC 345 1822 KBTX 3 TX 1225 1900 MUF 95.7 to LA 2000 KJAC 4tTX 1734 Cuba 2 1824 KDLO 3 SD 1902 MUF 5 2000 WPBT 5 FL 900 1902 MUF 5 2000 WPBT 2 FL 900 1258 WLBT 3 MS 1301 WMAB 2 MS 1301 WABB 2	Es 2015 2110 6 Tr 0102- 0805 Es 1022 1129	MUF 4 NC 16,22,28 NC 17,28 MUF 4 WREG 3 TN 767 KTBS 3 LA 983 KFDX 3 TX 1,225	Many un-ID's with E8 open ing's on July 2,3,4,5,7,8, and 9.Correction KACV on 7/31 should be Amarillo TX at 1337 mile'sMany UN ID's on 7/31 and Aug 4,6,1

Eastern TV DX

That dude from Joisev ....... 98 Highland AVE Clifton NJ 07011

July 1989 August 1989 21 Es 1710 MUF 3 2 Es 1730 MUF 4	14 Tr 0740 WHP 21 PA 149
22 Es 1710 KLNE 3 NE 1320 2 ES 1730 MUF 4 1853 KIMT 3 IA 872 4 Es 1832 MUF 95.1 2240 MUF 2	over WLTW!!!! 18 Tr 2350 Providence VHF' 23 Es 2053 MUF 3
23 ES 1000 MUF 4 1200 NIV 3 NS-? 5 ES MUF'S ) (maritime area) 7 ES to ch 4	24 Es 1950 KIMT 3 IA 872 2020 WREG 3 TN 938 29 Au 2130 Aurora to FM
24 Tr 2258 WTVZ 33 VA 307 / Es 2259 WCPB 28 MD 190 8 Es AM/PM 2300 WYAH 27 VA 307 9 Es 2320 MUF 3	September 1989 7 Tr 0058 WMGC 34 NY 125 0129 WGGB 40 MA 121
Im somewhere around 103 station's on TV. I did buy a dish a 7 ft Channel Master and found it was OK but I couldn't	13 Tr 2358 WSBE 36 RI 152 14 Tr 0006 W59 xltr of WVIT 30 CT
put it up any higher where it could perform better, so I sold it to a fellow DX-er. UHF here in Clifton is really the pit's and I have just read that my closest local WNJM 50 a FOUR mile's WHO bleed's over and image's all over is going	t

That is all the report's sent to me from HQ Now come's more recent report's

5,000,000 watt's!!!! if they get thier CP.What next?!!? Goodxing Bill

Rich Turcsany 40 Ferndale Ave Stratford CT 06497

November 1989

May 1990

- 5 F2 0930 First E2 logging of the season, offset's on 48.24/.245/.25/.255/.26 all in for 10 minute's (no visual reception though)
- 11 F2 0845 Weak signal on R1 (49.75Mhz), first time received in cycle!
  - 0900 Signal's in on E2/R1, but European VCR picking up only weak sync
- 24 F2 1000 Weak R1 buzz on 49.74
  - 1010 E2 Signal on 48.25 seen using European VCR-six vertical bar's in center of screen (almost resembling 5-day forcast graphic's) not strong enough to
  - 1015 John Combs call's in from Jacksonville sez he's seeing a tennis match down there on E2,I can't watch it here due to QRM from nearby cordless phone's.

December 1989

2 F2 0900 Six vertical bar's on 48.25 (see 11/24)

- 0903 E2 seen on 48.245-belived to be a newscast with graphic in upper left hand corner(appeared to be a man sitting at a desk at the right of the screen)
- 3 F2 1000 Smeared video sync seen on 48.25
- 10 F2 0845 First ever audio signal heard on 53.745, belived to be German language, but distorted due to wideband FM mode(scanner is NBFM)
  - 1030 Six vertical bar's seen on 48.25 once again.
  - 1045 CCI seen on 48.25, visual reception looked like a movie or action drama TV serie's (lot's of scenery men in each shot,etc)-slanted verticle sync 1100 Breif view of woman on 48.24, alternating with "six bar's" station.
- 11 F2 1015 "Six bar's" again on 48.25
- 16 F2 1015 Strongest E2 signal seen yet on 48.25 looked like a sign on the right side of the screen with three undistingguishable word's (top to bottom)
- 17 F2 0945 Video buzz on 49.25, weak
  - 1000 "Six bar's"station on 48.25 back
  - 1015 48.24-noticed view of nurse in uniform, belived to be a drama or serial.

January 1990

27 F2 1100 Fair signal on 48.255-programming looked like a European commercial "cluster" one ad looked like that of a soft drink, saw cup with straw at left side of screen followed by product name in upper right corner

SEE DIAGRAM ---

see next page for Rich's report

Rich Turcsany's Report continue's

Finally-I get the opportunity to actually watch European Channel 2, thank's to the use of a multistandard VCR I purchased last winter! Unfortunatly I've had some problem's with reception due to nearby cordless phone's/child monitor's, but at least the unit is sesitive enough to receive EZ signal's. Compared to the 1979-80 sunspot cycle, there have been less day's of R1 reception now than there was ten year's ago.Also there has been no sign of Ireland,or co-channel signal's from European Channel 3 (55.25), same as our channel 2, but that might change by next winter if condition's continue.Next year I hope to purchase a ICOM scanner/video unit for better E2 reception everyone's had good result's with them!

Equipment; Regency 'Touch scanner' (1978 vintage) 1988 Hitachi VT-4990 multi system

VCR for E2/R1

#### Jeff Falconer Box 63 Clinton ON NOM 1LØ

December 1989	January 1990		7 Tr 2234 WANE 15 IN 256
15 Es 1605 WPBT			2235 WNDU 16 IN 277
	6 FL 1034 1300 KOTA	3 SD 1082	2237 WFWA 39 IN 256
	5 FL 1175 3 CUBA 1504 March 1990		2309 WMHE 46 IN 275
	3 FT. 1087 7 Tr 2230 WTLW	44 OH 240	13 Tr 1130 WCIU 26 IL 334

Equipment; Icom R-7000,25 element LP at 25',rotor Very little TV DX done over the winter.Nice Es on 12/15 with MUF at least 107.9 Mhz Have also had video buzz on E2 a few time's but no video synch.73 for now, Jeff

Christopher S Dunne 21500 Johnson St Box 533 Pembroke Pine's FL 33029

Equipment; Sony Trinitron 9' color TV model KV-9300, Teknika TVC 22 tuner(thanx to John Combs for the tip), GE model 8-1930 color TV; all using rabbit ear's & bowtie antenna(whopee)

Here's my first report for the WTFDA and 'taint much, mainly 'cause I don't have any fancy TV antenna array - yet...DX here has been nearly nonexistant for the past 2 month's or so. I have no plan's to report any full-power station's less than 250 mile's away ,or LPTV's less than 50. With that...

3/17/90 2335 Ch 13 CUBA (Tele Rebelde a.k.a. TR) shown were trapeze artist's & other acrobat's.

2341 Ch 9 CUBA (Television Cubana a.k.a. Canal 6) end of movie(credit's)

9 & 13 are my most common Cuba TV station's-location unknown (Matanzas?)

Th-th-th-th-th-th-th-th-That's all Folk's! Sorry no TV Marti as of yet-73's Chris

Greg Coniglio 5100 Glenwood Dr. Williamsville NY 14221

Equipment; Panasonic Watchman TV, 4 Bay UHF

0830+ CBOT-4-ON/WWNY-7-NY/CJOH-8-ON/CBOFT-9-ON/CKTM ? -10-PQ/CKWS-11-ON/CJOH-13-ON WNPE-18-NY/WNPI-18-NY/CICO-24-ON/CIVO-30-PQ/CHOT-40-PQ/WFYF-50-NY/WCFE-57-NY

Reception seemed to follow along the ST. LAWERNCE Valley. Although there was excellent trop enhancement on FM to Quebec, it was disappointing that Ch 10 was only the farthest DX catch. (Ed. note; Greg inform's me that he is going down to Myrtle Beach SC soon and he will report his result's from that excellent DX area-BN)

Ed Note; I have received some querie's about If I plan to include the citie's along with the TV station's logged... A valid point was bought to my attention that some member's who see a logging with no mention of the city, have no idea WHERE the station is really from. Yes it is a valid point! Sure if you see for example; WMGC-34-NY. Unless you lived in the city of Binghampton or really know your station's real good, you are pretty much in the dark. I see your point, but unfortunatly there are some thing's to think about; Space consideration's are a main reason. The other reason is most reporter's to ETVDX do not list the city, I do not have the time or the reference's to look up each station. I will list city of license for translator's and/or if the station is foreign or brand new to the air but anyway thanx for your comment's and keep the comment's coming!-BN

Ed note; Please send your Unid's to John Combs UNID column. If you noticed I have replaced your unid's with the MUF instead. Please, if all you get on a certain opening is a unid that can't be ID-ed list the MUF instead. Unid's are important... for instance UNID-3-NBC(west) show's that the opening(s) are coming from that area. Of course I'll print that. I'll print ANYIHING UNID only if there is more than just a logging such as UNID-3.But please try give any info on your unid, otherwise it would be fruitless to print it. Comment's Please -BN Hi!

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

Eastern TV DX

Septer	mber 1989	October 1989  24 Tr 0437 SC-15-Id3/4 cb 0543 UNID 28 z,+ 0551 WPTF 28 NC 248 0633 NC-25-39 0639 WGSE 43 SC 366 WPMC 23 SC 373 0653 WJFM 33 SC 358 0722 WITN 7 NC t thru local WJIA 0727 WCTI 12 NC 269 25 Tr 0024 NC-16-22-40 0054 WYED 17 NC 248 NC-28-s/f 0128 SC-15 very good 0135 WJCL 22 GAt WJKA 26 NC 344 0206 WCBD 2 SC 428 0709 13+ SC-13 0222 WIVD 11 NC 246 ID 3/4 cb Local off 0223 WTAT 24 SC t 0231 UNID 31 3/4 cb 0250 WTCS 28 GA 529 good signal 0318 WRAL 5 NC t local off 0321 WTVR 6 10 khz cci 0349 WTOC 11 GAt CBS news nightwatc 0425 WTVD-sign-off 0431 WTOC 11 CAC CBS news nightwatc 0426 WTOC 12 CAC CBC NC 26 0450 WTC 28 0450 WTC 2	November 1989
28 Tr	2236 WPTF 28 NC 248	24 Tr 0437 SC-15-Id3/4 cb	3 Es 2322 KJRH 2 OK 1031
	2242 OHIO 16-34-35-43t	0543 UNID 28 z,+	4 Es 1019 KJRH 2 OKt
	2258 WRGT 45 OHt	0551 WPTF 28 NC 248	1024 MUF 4
29 Tr	0018 WITE 28 OH 319	0633 NC-25-39	1030 KIII 3 TX
	0116 WAKR 23 OH 278	0639 WGSE 43 SC 366	1128 KTBS 3 LA 983
	with 10 khz	WHMC 23 SC 373	1038 NBC 3
	0200 WKBN 27 OH 238	0653 WJPM 33 SC 358	1039 NBC 2
	1000	0722 WITN 7 NC t	12 Es 1003 MUF 2+
OCTOD	er 1989	thru local WJLA	14 Tr 0645 WYED-NC-22-40
6 Tr	0715 UNID 35+	0727 WCTI 12 NC 269	0655 NC-28, VA 35 loca
	0738 WGGT 48 NC 265	25 Tr 0024 NC-16-22-40	0701 WCCB 18 NC 332
	thru local	0054 WYED 17 NC 248	0711 WPCQ 36 NCt
7 Es	2355 MUF 2	NC-28-s/f	WIVI 42 NCt
15 Tr	0612 WYED 17 NC 248	0128 SC-15 very good	0742 WNYC 31 NY 196
RES AND B	WRDG 16 NC 251	0135 WJCL 22 GAt	(my local!!-BN)
	0614 WPTF 28 NC 248	WJKA 26 NC 344	0735 WRLK 35 SC 409
	WPDE 15 SC 349	0206 WCBD 2 SC 428	0800 WFMY 2 NC 269
	WOLO 25 SC 411	0209 13+ SC-13	27 Tr 0710 WYED-WPTF-WKFT
	0624 W14AII NC 235	0222 WIVD 11 NC 246	W40 AH VA 167
	Reidsville (LPTV)	ID 3/4 cb Local off	December 1989
	0637 WRIH 35 VA 111	0223 WTAT 24 SC t	47 = 4000 ppg 0
	local quality	0231 UNID 31 3/4 ch	14 Es 1803 PBS 2 z
	0640 WINK 25 NC 244	0250 WTGS 28 GA 529	1829 MUF 4
	0653 WIFT 22 NC 251	enod sienal	1852 KTCA 2 MN 867
	0655 NC_18_19_47t	0318 WRAT. 5 NC +	2046 NBC 2 +
	0710 WBDA 15 WAt	local off	15 Es 1806 Cuba 3
	0731 LTVD 11 NC 2/6	0321 WTVR 6	1857 MUF 4
	0757 WIVE 11 NO 240	10 kbz cci	January 1990
	0737 WRF1 40 NC 203	03/49 WTYC 11 CAF	1 Tr 0643 WYED 17 NC 248
	0050 LIDIT 30 NO 366	CRS nove nightwate	3 Es 0904 KJRH 2 OKt
16 Te	0030 WUNG 33 NG 344	0/25 WTVD_cim_off	Febuary 1990
10 11	0103 WZ/A3 DE	0/31 MTOC 11t . or	3 Es 1021 MUF 4
	U124 WKDN 27 UH 230	04/31 WIOC 11C + 01 -	March 1990
	WGNI 27 VA	0506 NC 22 A0	2 T∞ 0702 UT TC 55 NV 253
	OSST LITER OF NO 266	0536 WCTT 12 NC 260	8 Tre 0735 LIDTY LIDTE LIVED
	0550 1133AD 11A+	UTCC 28-	12 T~ 0627 LIVED LIDTE
	0053 W33AD VAC	05/0 NC 30	06/2 LECTO 27 OUE
	V032 C1-3UC-5C-13C	0555 LIDTY 35 CC A00	UNITED 45 OUE
	NC-11-10-22-23-20	0535 WKLK 35 SC 409	12 Fo 1020 1057 INITING 2
	0000 IXTE 56 DA 1/2	0610 WKJA 2/ SCL	15 To 0604 LIVED LIDTE LITTE
990.00	1050 WWLF 36 PA 142	26 The 1056 TREET LIDER 240	13 IT 0604 WIED-WITE-WIVD
43 ES	1333 MIL 7	2200 UKER 40 MC 248	NO 25 20 40
2/ 7	2334 WIED-WEIF-S/I	27 The 0227 LICTT 12 NC 262	NO-23-33-40 LICET 13 VA 100
24 IT	0201 NG 11 16 40	0750 UDW 2 NC-	10 Fo 1907 MIE 2:
	0201 NC-11-16-40	20 Th 1000 PA (0.52 NO.02 (0.	17 ES 1007 MUP 2+
	U3ZI WJKA Z6 NC 344	29 IT 1009 PA-40-55, NC-28-40	24 ES 1044 MUP 2-
	WBIW 13 SC 349	November 1989	LII4 MUP Z+
		Z ES U8U5 MUF Z	

IMPORTANT NOTE; Next month's issue June 1990, will be the start of the policy of a 90 day cutoff date. Any report's older than 90 day's will be deleted. The transition period is over now. PLEASE REPORT PROMPTLY. Thank-BN

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

Deadline: 06-07-90 Cut-off: 03-01-90

May 1990

A couple of gremlins crept (or leaped!) into the April 1990 column and I forgot to include a correction to the March 1990 column. The reference on the bottom of page 1 to solar flux having been near its February minimum should have read "January" minimum. Also, the cut-off date shown as 02-01-89 should have read "02-01-90". It will be interesting to see if anyone takes advantage of the 15 month reporting window!

With regard to the March column, Nate Ely's logging of CKCO4, channel 11, on January 20th at 0358 should have read "CKCO, channel 13". I hope I did better this

month!

Hopefully the E skip is starting to roll in. Send in your reports.

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

BN Baja California Norte

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

PST

Equipment:

VHF - Winegard CS-4052 Chromstar antenna, Channel Master 7477A preamplifier, Channel Master 9510 rotator with 9535 programmable control unit, Channel Master 7205 mid-band trap, Channel Master 7203 sub-band trap, Channel Master 7270 step attenuator, Channel Master 7035 MATV distribution amplifier, Channel Master 9549 RG6 cable. UHF - Winegard CS-9095 Chromstar antenna, Winegard PA-4975 preamplifier, Alliance HD73-1 rotator, Channel Master 9549 RG6 cable.

On March 1, I programmed my VCR to record the CBS show "48 Hours" at 2000 PST (local time); the antenna was oriented in a northeasterly direction. The following day, upon viewing the show, I discovered I had picked up some channel 2 E skip! The KCBS broadcast was nearly overtaken by a station apparently in the central time zone; across the screen was the message, "It's 10:00. Do You Know Where Your Kids Are?" Within five minutes, the skip faded; no other clues/ID's were present.

Richard J. Michaels, 641 West 21st St. (A), San Pedro CA 90731

UTC

Equipment: Portavision V/U/AM/FM "Portable Receiver". Rabbit ears.

March 1990			9	tr	0015	KPBS	15	CA	9		KNSD		
8 tr 2345	KFMB	8 CA			0020	KVCR	24	CA		0034	KUSI	51	CA
9 tr 0000					0025	X	33	BN		0040	KTTY	69	CA
0010	XFWT 1	2 BN			(Tiju	ana		XEW-TV)					

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

WPGH 53 PA 565

EST

Equipment ICOM R-7000 with video adapter. Winegard 8100? combination V-U antenna at  $40^\circ$ .

December 1989	5 tr WQHS 61 OH 470 6 tr 0505 W68 68 ??
31 F2 0923-1000+ unid ch 2	Many other OH/IN (Unknown TBN)
( See Note # 1 )	2328 W54AF 54 OH 425 ( See note # 4 )
February 1990	(Bucyrus LPTV) 0521 W47AZ 47 IN 260
3 Es 0859 WUNC 4 NC	( See note # 2 ) (Indianapolis VJN)
0900 WFMY 2 NC	6 tr 0056 W47AB 47 OH 445 0630 WWAT 53 OH 420
WUND 2 NC	(Mansfield WOSU-34) (See note # 3 )
1130 WESH 2 FL	0243 WHIZ 18 OH 460 26 F2 1804 TVQO 0
(1st Feb Es - now only	(Test w/ID card) (Toowoomba Australia )
need March)	O415 W17AI 17 OH ( See note # 5 )
5 tr 2200-2300	(Columbus WWAT-53)

( See note # 3 )

Western TV-DX

May 1990

Frank Merrill (continued)

Note # 1 - This was really a super opening! When this was strongest, a Costa Rican ham was in on 6 meters, so suspect that Costa Rica channel 2 was most likely. Other 6 meter ham signals were noted from the Dominican Republic, Barbados, Venezuela, Martinique, etc. Only time I've ever seen F2 on "our" channel 2. Video was totally unintelligible, though domestic CCI wasn't a factor during its peaks. I had European TV carriers on several earlier November/December dates (coinciding with some of Jeff Kadet's receptions), but had no TV capable of "locking them in" so I was unable to log anything.

Note # 2 - Had a promo stating that RFD-TV is "now on channel 22" which is also in

Bucyrus. Also an ad for Cavallers basketball on WOIO-19.

Note # 3 - WWAT-53 noted ALL NIGHT with Home Shopping Club, but they never give ID's overnight and the 0630 ID was after they were into regular programming (Super Mario Brothers/Ag Day). At 0415, I had HSC on channel 17, but marked it down as a tentative WDLT-17. The way ownerships keep changing and with some evangelists having hard times, I thought that TBN had maybe sold the station. The 0630 WWAT-53 ID was "WWAT-TV, channel 53 and 17, Chillicothe-Columbus" so I am now assuming that my channel 17 was theirs. And indeed WDLI-17 apparently IS in hard times, because I'm almost certain they were off. Formerly, they were always all night.

Note # 4 - Direction seemed to be Muncie/Indianapolis. I don't think this was coming from Fort Wayne (is W68BN still on?) unless there was "wave guide" effect. Are there any TBN's out there (or in western/central

Ohio)? New for me if not W68BN.

Note # 5 - This was when the video carrier was first noted on 46.172 mHz. As with Jeff Kadet, I counted this because no other TV station in the world operates here. It SHOULD be 46.240, 46.250, or 46.260, but it is off frequency. I was much more satisfied when unmistakable video appeared at 1814. The peak was at 1903 when it was virtually snowfree. By 1915 it had vanished. Frequent checks on 51.672 (their audio frequency) produced nothing, except for once when I thought I could hear faint audio. Being on the PAL system, the video was rolling quickly and the vertical hold is exceedingly hard to reach. Jeff Kadet had the vertical hold locked in, but he also was unable to see anything significant. He also had this weakly on February 25th, but the 26th's event was awesome! Because it falls into the low TV band of both Australia and New Zealand, there was no ham activity noted on 6 meters. I also had very weak video carriers at 45.240 and 45.260 (New Zealand channel 1), but no ID's were implied here because there are multiple possibilities. I couldn't tell whether carriers around 46.240-46.260 were other Australian "channel 0" carriers or "spurs" from TVQO. They were putting out nearly as many spurs as the infamous WTJR-16.

(Frank, I suspect your channel 68 TBN was W68BN, Dayton. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CST.

Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Rembrandt VA133 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier: Alliance rotor.

March 1990	10 tr 0105-0200	10 tr 0557 @K44AE 44 MN 145
10 tr 0105 K29CC 29 MN 125	K52AH 52 MN 125	(Willmar w/KGAN- 2)
(Appleton TNN)	(Appleton KITN-29)	(Normal KTCA- 2)
K31BT 31 MN 125	K54AK 54 MN 125	0638 K26CL 26 MN 90
(Appleton CNN)	(Appleton KMSP- 9)	(Alexandria LPTV)
K33CR 33 MN 125	K56BZ 56 MN 125	
(Appleton Movies)	(Appleton KARE-11)	Also others to 150 mi.

Locally enhanced tropo conditions on the 10th allowed me to check out some new and changed translators. All of the Appleton LPTV/translators shown above had scrambled video. Audio was in the clear on all but K33CR. I believe the K33CR movie service is Starion. Their programming was parallel to that of K21AK, the Morris, Minnesota STV (Incidentally, that facility is proposed to be moved to the Donnelly translator site). I was unable to determine the program source for K26CL. During the time I watched there were two program length commercials with no ID's.

0643 WGH

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

May 1990 Stillwater, OK 740' SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

#### CO DXER DOESN'T LET LAST WINTER GET BY WITHOUT SOME ES (and has prize offer)

	prize orier)
Douglass Allen, P. C. Box 5646, Woodland Par	k, CO 80866
12/4 ms	2/25 trs
0800 103.7 WFIV IN Bloomington, ID	0820 89.9 KACVtTX Amarillo, classical
(5 sec. burst	4/1 tr
1143 103.7 WWIB WI Ladysmith, "WIB", short b.	0822 96.9 kNID OK Enid, ID, k
1990:	4/2 tr/gw, local KRDO-FM off air
1/16 Es	0356 95.1 KICT KS Wichita, ID, home of 417
0937 98.1 WMGM WI Madison, "Magic 98"	Wichita's rock and roll
0942 94.5 WCEN MI Mt. Pleasant, ID	0408 95.1 KSQY SD Deadwood, "K-Sky" 380
0945 97.5 WNXR MN Rochester, olkies	"The Black Hills best"
0948 95.5 WIFC WI Wassau, ID	4/3 tr/gw
0953 94.3 WRJO WI Eagle River, local ads	2000 Wichita stations in 2417 miles
0958 90.3 WHLA WI La Crosse, WI Public	2104 90.9 KASF CO Alamosa, ID, "Its's radio-
Radio, //88.3	active"
0959 88.3 WHWC WI Menomonie, ID, //90.3	4/4 tr
1003 94.3 WROE WI Neenah, ID,	2025 96.9 KAML WY Gillette, o/u KCMI
"Fox Valley Weather"	4/5 tr
1005 101.3 WCUZ MI Grand Rapids, "Cuz-FM"	0731 106.5 KWKL KS Arkansas City, "Cool 106.5"
1011 103.7 WEZW WI Wauwatosa, "New Easy 104"	"Wichita's best oldies"
1018 94.9 WVIC MI East Lansing, ID	
1020 94.1 WIBM MI Jackson, ID	Not much DXing, so not much to report.
1044 94.3 CJSD ON Thunder Bay	About 18 new ones since last report mostly
1/28 tr	from the Es of Jan. 18. If there's been any
1750 Wichita, KS stations full quieting off	good tropo this winter I've missed it. With
and on all evening @417 mi.	the stacked stereo Probe 9's, Wichita,
2008 89.9 KACVtTX Amarillo, c	Amarillo and Enid, OK along with several
2/16 gw	Nebraska stations are pretty regular. The
0800 88.1 translator CO Colorado Springs	350-450 mile stations aren't in continuously,
translator of KWBI	but if I sit there and listen for an hour or
2/18 tr	two, I'll hear several minutes of them on tropo
0840 Wichita stations in @ 417 mi.	scatter. Several stations at 200+ mi. are full
0845 106.5 KWKL KS Arkansas City, Cool 106.5	quieting most of the time.
2/19 tr	I'm not thrilled by the poor front to back
1819 96.9 KNID OK Enid, k, fairly regular	ratio of the stereo Probe 9's and hope to try
1910 99.3 K257KI KS St. Francis, t KZNA	the Antennacraft 10 element yagi's this. I'd
1950 93.7 KYEZ KS Salina, "KY Country 94"	even be willing to sacrifice a little gain
2000 91.7 KOSU OK Stillwater, ID	for a better front to back ratio. (You may
2010 99.7 KXLS OK Alva-Enid, local spots	end up missing the Probe 9's narrower direct-
2039 96.9 KLSF TX Amarillo, full quietying	tivity. DB)
2140 89.5 KHCD KS Salina, wx	
- BENNO PLANE - 프라그램 에 프로그램 프로그램 - BENNE -	and the second s

Incidently, in response to the question posed a couple of issues back about using a TVRO dish for FM reception. It would be relatively easy to do if you want the gain of a 5 element yagi! Seriously, you'd need a dish bigger than your house to get appreciable gain

Hope we get the good tropo here we had last April and May. And the Es season is only about 6 weeks away. Good DXing to everyone, I have a special prize to anyone who logs Colorado Springs from over 575 miles away and calls me at 719/687-3549 collect at the time of the logging.

Keith D. Pugh. 227 Martin St., New Hope	. AT. 3
Equipt: McIntosh MR-78, Onkyo T-9090,	
1/8 gw (ex 94.3) 1822 WGSQ 94.7 TN Cookeville 1/21 tr	124
0050 WKJN 103.3 LA Hammond, strong	371
2/5 tr 1055 WURC 88.1 MS Holly Springs, ID	180
1102 KDHX 88.1 MO St. Louis "St. Louis Radio"	359
1120 KCRI 104.9 AR West Helena, s, ID 1200 KCRI 103.1 AR West Helena, ID	
WWUN 101.7 MS Clarksdale, mono, I	D245

3/9 1	rs							
1147	WBBK	93.1	GA	Blakely,	ID,	ex	93.5	237
1935	WRFR	96.7	NC	Franklin'	WSF	3-WE	RFR"	174

-	3/10	tr	1274353 300			. 200	-		_
	1048	WKZL	107.5	NC	Winston-Sale	m,II	)		357
	1109	WCTT	107.3	KY	Corbin, ads,	nx,	"T	-10	7"
	(wh	ile Wo	LT/10	и р	ower)				
- 8	3/13	trs	100						
-16	8000	WJCR	90.1	KY	Millerstown,	g.	ID.	\$	240

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20785 From parent's house, Bartow, FL 3/23 tr 0630 WGWB 101.7 FL Trenton 3/22 tr 1136 WYOU 92.5 FL Safety Harbor, (from 92.1 as WXCR) 2100 WFCE 88.9 FL Tarpon Springs 1145 WQLM 92.9 FL Punta Gorda, from 92.7 2104 WMFQ 92.9 FL Ocals 1159 WSOR 90.9 FL Naples 3/25 tr 0137 WRCC 103.7 FL Cape Coral (ex 103.9" 3/23 tr 0630 WCWB 101.7 FL Trenton 1932 WAVV 101.1 FL Marco, nulled stronger WSTF Cocoa Bch.

WSOR and WCWE picked up as direct result of filter modification, both in sandwich between local and semilocal. Brings total to 124. This is the fourth trip since 1986. Enhancement was quite poor due to low humidity(whole state in drought) No more Nov-Mar trips here! Also WFYV 104.5 Atlantic Bch next to local WRBQ, picked up at will now, took intense nulling before, without filters.

Results of super bandscan II last summer (Bellafontaine, OH) was 169 in 3 nights. Super Scan III will be from South Hill, VA, which has few stations within 50 miles but a lot between 50 and 100(7 to 1 ratio, highest number I find any where in U.S., according to Atlas maps). (So let that serve as a warning for DXers to not move to South Hill, VA. DB) Will be attending convention, have a tape of a 1/2 hour show about a DXer, circa 1960.

Matt Sittle, 220 Brookfield Dr., Kings	port,	TN 37663	
Equipt: Yamaha TX-900U tuner, Radio Si	hack	15-1636 FM antenna in the dorm room	
2/9 tr	14.20	3/12 tr	200
0815 WANS 107.3 SC Anderson, calls	242	0752 WCLN 107.1 NC Clinton, calls	60
0828 WSPA 98.9 SC Spartanburg, calls	192	3/13 tr	77.77
0829 WSSL 100.5 SC Gray Court,k	213	0848 WLGQ 97.9 NC Gaston, "97 Q FM"	77
0833 WAGI 105.3 SC Gaffney, local ad	175	3/14 tr	210
2337 WKRX 96.7 NC Roxboro, "97 Country"	46	0756 WZNY 105.7 GA Augusta, "Sunny 105"	248
2/13 tr		0759 WANS 107.3 SC Anderson, ID	242
0851 WKCP 97.7 NC Kinston, local ads	77	0801 WTCB 106.7 SC Orangeburg, "Bl06 Columbia"	201
0853 WPEG 97.9 NC Concord, local wx	108	0803 WSSL 100.5 SC Gray Court, "Whistle 100"	213
0855 WCZI 98.3 NC Washington, ID	97	0807 WLOW 106.9 SC Bluffton, local mentions	270
0904 WYAK 103.1 SC Surfside Beach, wx	156	0811 WDXZ 104.5 SC Mt.Pleasant, local ad	FF 100 C 100 C
0910 WTCB 106.7 SC Orangeburg, "B 106.7"	201	0814 WHLZ 92.5 SC Manning,k\$,"Wheels"	158 96
0915 WDRP 98.9 NC Windsor,k,ID	100	2302 WZYZ 100.9 NC Fairmont,ID	90
2/14 tr	101	3/22 tr	242
0823 WDZD 93.5 NC Shallotte,k,local ad	131	0811 WANS 107.3 SC Anderson, calls	
0825 WSSL 100.5 SC Gray Court	213	0815 WMIT 106.9 NC Black Mountain, "WFGW-WMIT"	207
2154 WKQB 107.5 SC St.George, ID	207	0816 WKQB 107.5 SC St.George	126
2200 WOTR 100.1 SC Lake City, ID	146	0819 WYNN 106.3 SC Florence,s,"Win 106 FM"	259
2/15 tr	112	0830 WHTK 99.7 SC Port Royal 0849 WSVH 91.1 GA Savannah,c\$,"FM 91",ID	298
0639 WRVL 88.3 VA Lynchurg, local wx	113	3/23 tr	200
0643 WQDK 99.3 NC Ahoskie, local ads	103	0756 WSVH 91.1 GA Savannah,NPR	298
0659 WOTJ 90.7 NC Morehead City, ID		0801 WHLZ 92.5 SC Manning, k\$, ID, over WYFL	168
0719 WSSL 100.5 SC Gray Court,k	213	0815 WLOW 106.9 SC Bluffton, local ad	270
2/16 tr	207	0816 WWKT 98.3 SC Kingstree,s,"Magic 98"	160
0755 WKQB 107.5 SC St.George, "Q 107"	207	0817 WHTK 99.7 SC Port Royal, calls	259
2/18 tr,MS	101	0818 WDXZ 104.5 SC Mt.Pleasant, "Dixie 104.5"	216
1021 WRDX 106.5 NC Salisbury	101	0819 WIBZ 99.3 SC Wedgefield, "Z 99 FM"	165
1025 wild 107.3 MS burst	242	3/28 tr	
1031 WANS 107.3 SC Anderson, calls	213	0811 WTCB 106.7 SC Orangeburg, "B 106"	201
1040 WSSL 100.5 SC Gray Court,k	213	OULT WICH TOO. / DO OLANGEDULE, D 100	
2/19 tr	259	On 2/8/90, I upgraded my FM DX set-up with	а
2140 WHIK 99.7 SC Port Royal, calls	233	new tuner and antenna, and as you can see, the	
2/21 tr	81	results are good. I have the antenna standing	g un
1011 WGQR 105.7 NC Elizabethtown,	332	in the room, as there's not enough space to h	ave
oldies, "Gold 105", local ad	156	it oriented correctly. It's better than noth	ing,
1017 WYFI 99.7 VA Norfolk	130	and for indees DV it's about as good as I cal	n

Danny Buntin, 1312 N. Skyline, Stillwa Equipt: Pioneer TX-9100 modified with	ter, OK 74075	5 ere Antennagraft 10 el. up 20 ft.
Eduib: Lioueer IV-Ainn modified aimi	TOO MIN TITLE	ar b i mi seminare
2/8 (all tr or ex gu)	275 3/23 finest" 1330 k	KFXI 92.1 OK Marlow, "Foxy 92", k, \$120 XYII 104.7 TX Burkburnett, ID, k, \$ 165
0959 KLRC 101.1 AR Siloam Springs, g, 3/23	ID 3/26	CRUZ 00 1 KS Eldorado-Wichita, ID, r120
1310 KEYB 107.9 OK Altus, ad, k	160 2320 H	MYB 104.9 OK Pawhuska, Y-FM, oldies, \$

97.3 VA Newport News, "97Star"153

and for indoor DX it's about as good as I can imagine it can be. TN address effective 5/8. 73s. For DXers in: Canada, ME, VT, NH, MA, CT, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR DEADLINE: THE 1ST MAY 1990

A fair amount of DX to report this time, despite the time of year. The unseasonably warm weather of Mid-March brought tropo to many. The first two reports this month should have appeared in last months column, but were accidentally misplaced. Sorry, Robert and Richard...

#### RICHARD K. SHATFAN - 39 OLD MIDDLETOWN ROAD - ROCKAWAY TWP, NEW JERSEY 07866

#### FEBRUARY 1990 DX

20 TrS

0030 un ID 106.5 family radio, beam towards Reading a spur of WFME?

0714 WCZX 97.7 NY Hyde Park, clear 97.7 CZX ID Fairly common since the modification. 1306 WSNJ 107.7 NJ Bridgeton, no splatter from WRIS

2019 unID 97.3 Muzak, fade in and out for an hour

FEBRUARY 1990 DX 21 TrS

0002 WLAN 96.9 PA Lancaster, no splatter from 97.1 0008 WQXA 105.7 PA York, Hot 105.7, minimal splatter from super local on 105.5

22 TrS

2200 unID 100.5 "on route 113 in Franconia" 23 TrS

1716 unID 100.5 ad for NY Lottery, snow in forecast maybe Rochester?

1730 WJFD 97.3 MA New Bedford, Portuguese pgm.

FILTER MODIFICATION UPDATE: Modification w/180 khz filters cleared up some adjacent problems with stations like WMGS Wilkes-Barre, PA, WRFY Reading, PA, WLVH Hartford, CT, and WFPG Atlantic City, NJ now regulars where they were once rare. Once the 150 khz filters were put in, stations like WRWD Highland, NY, WBAZ Southold, NY, WTYD New London, CT, WRCH New Britian, CT, WPEL Montrose, PA, and WCZX Hyde Park, NY became regular or semiregular where they were rare before. Also removed my UHF antenna from the mast which has improved directionality and nulls. Thanks to Bill N. for technical advice re: antenna and doing the modification (as well as showing me how to do it myself). 73

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

EQUIPMENT: Marante 2226B, FM Beam for antenna

#### SEPTEMBER 3, 1989 TROPO

0032(WDFX) 99.5 MI Detroit, "99.5 The Fox", rock mx, Ex: WDTX

#### JANUARY 16, 1990 TROPO

0710(WXTA) 97.9 PA Edinboro, C&W mx, The New Country 98-WXTAEx: WMYJ JANUARY 28 TROPO

1441(WJMQ) 92.3 OH Cleveland Heights, all new Jammin 92 WJMO", rap music

#### FEBRUARY 21 TROPO

2000(CIMX) 88.7 ON Winsdor, "Motor City's new Mix CIMX 88.7-The Mix",pop/roc

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

Equipment: Sansui SX-1070B receiver, Toshiba SA500 receiver (1973 vintage), Linsday GA-10 element yaqi FM / @57' ASL/AGL on Alliance U-110 rotor; Channel Master "rabbit ears" w/variable cap. & Archer #15-1122 indoor FM amp. \*=Toyota ETR radio with stock antenna.

#### DECEMBER 1989 DX

4 Trs

1904 KLCC 89.7 OR 1906 KWJJ 99.5 OR

28-Trs

0817 KPBX 91.1 WA 0821 KEWU 89.5 WA (over KNHC)

0830 KUFM 89.1 MT 0834 KCDA 103.1 ID

0843 KMBI 107.9 WA

0847 KQUY 95.5 MT JANUARY 1990 DX

3 TrS 0712 CBYW 100.1 BC 0717 CBTQ 98.1 BC

JANUARY 1990 DX 10 TrS 2200 KMGE 94.5 OR

2207 KWAX 91.1 OR 2216 KAGO 99.5 OR

FEBRUARY 1990 DX 6 TrS

0700 KFAE 89.1 WA 0701 K212AC 90.3 WA 0704 KGTS 91.3 WA (over local K217AY) 0714 KRBM 90.9 OR

(over KVTI semi-local)

12 TrS 2134 KKPL 96.1 WA 2146 KPBX 91.1 WA FEBRUARY 1990 DX 16 MS

2308 CHFM 95.9 AL 19 TrS

2019 KZEL 96.1 OR

2022 KBPS 89, OR 2027 KBOO 90.7 OR

21 Tr (\*)

0947 KXL 95.5 OR 1036 KATS 94.5 WA

1038 KMNT 102.9 WA 1041 KKCW 103.3 OR

1151 KFFM 107.3 WA

1158 KMHD 89.1 OR 23 TrS

1029-1037, KFAE 89.1, KATS 94.5 and KFFM 107,3

#### MIKE CHERRY's report - continued

Also on the 21st, gw- all day KXXO 96.1 WA, new station, "The New Mix 96", \$, midtempo AC. Hopefully, by the time this hits print the winter "blahs" on FM will be over. Very little tropo in November December, and January on FM, no Es this winter. With very unstable weather in February, tropo on FM has picked up. Now that CKO4 96.1 Vancouver is aone, it's good to hear KKPL and KZEL again. Also, during the Quadrantrids meteor shower there were many, many short bursts on 96.1, all unID. I'm just getting re-acquainted with 96.1 after 12 years. (Note, Although this was mailed on Feb.24, it did not reach me until after I had finishined the April column-around March 10 or so. Sorry Mike-gc)

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

Figure was was also			
FEBRUARY 1990 DX		FEBRUARY 1990 DX continued	
5 TrS		24 TrS	
2130 WAAL 99.1 NY Binghamton, rs\$, The Hot FM, v			325
for the Southern Tier, nice signal	300	0100 WEZW 103.7 WI Wauwatosa, bm\$, Easy 104	325
2142 WSKG 89.3 NY Binghamton, poor with wx rpt		26 TrS	
WAAL was so strong I tried for this.	300	2133 WBEZ 91.5 IL Chicago, j\$, ID	330
6 TrS		2134 WJCH 91.9 IL Joliet, g, in mono during sermon	360
1559 WFPK 91.9 KY Louisville, c\$, ID, good	430	27 TrS	
1815 WKKJ 93.3 OH Chillicothe, k\$	304	1733 WONU 89.7 IL Kankakee, g\$, ad for store in	
1820 WBTU 93.3 IN Kendallville, \$, brifely o/WKKJ	240	Bourbonnais	363
	240	1744 WOSU 89.7 OH Columbus, c\$	262
7 TrS	205	1759 WUWM 89.7 WI Milwaukee, weak, ID	321
1922 WWSN 107.7 OH Dayton, \$, on top with ads	305	MARCH 1990 DX	04
9 TrS	04200301		
1616 WKBI 94.3 PA St. Marys, thru WEOZ, ID, r, wx	211	7.TrS	400
10 TrS		1558 CJSD 94.3 ON Thunder Bay, good, news	499
1510 WZZY 98.3 IN Winchester, heavy metal\$, poor	294	2300 WFPK 91.9 KY Louisville, c\$, ID, very strong	
11 TrS		some good scatter can make it	
1300 WAJC 104.5 IN Indianapolis, good at times with	1	thorugh the winter doldrums	430
ID to to pgm of German-Austrian music	354	9 TrS	
1652{WEGW}107.5 WV Wheeling, old r\$, Classic hit		0057 WKGW 104.3 NY Utica, r\$, Magic 104	315
	248	9 MS	
on the all new Eagle 107, EX: WZMM	240	1136 CBAF 88.5 NB Moncton, French talk, I'd almost	É
12 TrS		have to include this in a bandscan for my QT	
2018 WIAA 88.7 MI Interlochen, good in CIMX null o			
new frequency, eX 88.3, patriotic folk songs	228	Can be heard almost any time.	830
14 TrS		12 TrS (Au unIDS in evening)	
2158 WNZE 94.3 IN Plymouth, faded up weakly, with	1	1358(WVKS)92.5 OH Toledo, r\$, Kiss, EX:WMHE	168
signoff mentioning WTCA-AM	288	13 Tr/TrS (nice enhancement to lower Mich)	
16 TrS		1059 WBEZ 91.5 IL Chicago, mono talk program	330
1611(WEZE) 104.7 PA Pittsburgh, b\$, Easy 104.7, v	erv	1119 WHMI 93.5 MI Howell, r\$, first time anything's	
good, EX WNRJ, WYDD, etc.	231	made it over CBLN (new calls, CBLN??-gc)	139
1615(WJMO) 92.3 OH Cleveland Hts, s, Jammin 92	201	1132 WUFN 96.7 MI Albion, g\$, no trace of CKGL	187
	145	1550 CJSD 94.3 ON Thunder Bay, r\$, 94-FM, lottsa	
EX WRQC		ads and details for a report	499
2025 WHKO 99.1 OH Dayton, k\$, K-99-FM,	300	2239 WQXC 100.9 MI Otsego, rs\$, "Quicksie FM	400
<u>17 Tr\$</u>			245
0000 WKLM 95.3 OH Millersburg, faded up weakly o		and AM" Second time heard	245
CKDS/WQTE w/sign off announcement	211	13 MS	1265
)124 WAKW 93.3 OH Cincinnati, g\$, Majesty 93, good	d	1545 CHIQ 94.3 MB Winnipeg, "to Q-94"	868
at times with Music Through The Morning pgn		14 TrS	
21 TrS	0 (000)	0035 WHZR 103.7 IN Royal Center, r\$, Hoosier 103	315
2200 WDON 104.9 OH Geneva, light r\$, ID w/Madisor	n I	14 MS	
used the Northern Light no-ID	173	0047 unID 103.7 ?? a mystery here. I sat on this freq	
2219 WCWS 90.9 OH Wooster, ver weak o/u/WGUC		for a hour and a half and heard about 30 bursts of a	
	105	station with a clock ticking. Any ideas?? Antenna S	- 2
with classic rock by CCR, ID	195	(Could this have been WCCK changing format??-qc)	
23 Au	7774.45	(Could this have been work changing lothlat? 1-gc)	
2024 CKMF 94.3 PQ Montreal, weak, FF, dance mx	409		
2026 CBF9 91.9 PQ Mont-Laurier, // CBF 690 AM			
Both regular Au receptions here, some	- 1	WATCH FOR E-SKI	PY
activity on 6m, also, but weak opening	359	WAICH FOR E-DIKE	
(1980) (1984) (1984) (1984) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985) (1985)	(E. E-16)		

EQUIPMENT: Magnum Dynalab FT-101A, Stereo Probe 9 at 27 feet wtih rotor, RG-11u.

Nell DX has really slowed down. Some nice Tr scatter has been heard but thats about all. WCCK in Erie s now "the all new K-hits-104", call is still WCCK. 73, Jeff.

STATION UPDATE: WMHE 92.5 Toledo, Ohio, is now WVKS, with slogan "Kiss". Format is \$ still. Also, CKLH 102.9 Hamilton, Ontario has adopted the slogan "K-103", format: mr\$

#### BILL NIENAJADLY- 98 HIGHLAND AVENUE - CLIFTON, NEW JERSEY 07011

Equipment: Sony ST-J60 and Pioneer SX-828 both modified with 150 khz filters.

MARCH 1990 DX		MARCH 1990 DX	
<u>2 Tr</u>		9 Tr continued	
1930 WCTX 92.1 NY Palmyra	145	2200 WJFD 97.3 MA New Bedford	165
1947 WHJY 94.1 RI Providence, rarely heard	175	12 Tr	
2019 WAAF 107.3 MA Worcester, last heard		0115 WHUR 96.3 DC Washington full quieting	207
in 1983!	177	0200 WESM 91.3 MD Princess Anne	220
2100 WCRB 102.5 MA Waltham	162	1730 Au, unIDs 99.7 AOR, 105.7 Oldies, 4 stns	91.7
3 Tr		1845 WRHP 107.9 NY Syracuse, OVER WEBE	! 203
0300 WETA 90.9 DC Washingotn WHYY off	207	15 TrS	
0330 WPFW 89.3 DC Washington	207	1845 WVOR 100.5 NY Rochester, confirmed by	
0400 WGTY 107.7 PA Gettysburg	170	Bob Smolarek,	235
0402 WITF 89.5 PA Harrisburg WSOU off	155	17 TrS	
0412 WYCR 98.5 PA York	153	0705 WGBI 101.3 PA Scraton, last heard 1976!	97
0800 Conditions way up, some trops stations are		0734 WMHR 102.9 NY Syracuse, gave weather	
up to 5 lights!!		for Syracuse, Watertown, Rochester	202
0805 WAFL 97.7 DE Milford	210	0800 WHWK 98.1 NY Binghamton, local wx	160
0823 WFOG 92.9 VA Suffolk, dominating chnl	307	18 TrS	
0824 WOLC 102.5 MD Princess Anne	200	1800 WUFM 100.1 PA Lebanon	145
4 TrS		19 TrS	
1507 WENU 101.7 NY Hudson Falls	180	0230 WVKZ 96.7 NY Clifton Pk. ph 372-ROCA	2
6 TrS		Rare: WJAZ off	165
0705 WDBA 107.3 PA DuBois	248	0245 WKFM 104.7 NY Fulton, rare:	
9 Tr		WSPK off the air	209
1900 WPBX 91.3 NY Southampton, confirmed		0240 CFMK 96.3 ON Kingston, full quieting	
by Rich Shaftan.	70	for minutes, WOXR off the air	260
1910 WSNE 93.3 MA Tauton, long wanted	175		
		100 000 000 000 000 000 000 000 000 000	

The aurora appeared almost exactly to the day of last years one. We had temps reaching as high as 86 degrees in mid March!! You would think there would be good trops, but NO. MODIFICATION UPDATE: advice to DXers, go get a good analog car radio and modfiy it with the 150 khz filters and you will have a radio with razor sharp selectivity! I modified 2 analog car radios and was shocked by the results. Digital car radios improved too but anglogs much better. Did you knw it is possible to eliminate AFC in radios that have it? It is much more complicated than just changing a part, you need a multimeter for this and patience. I have eliminated AFC from 4 radios so far. I might do a special report on this also very important mod. GOODXing, Bill

#### MIKE BUGAJ - 69 SHERMAN RD. ENFIELD - CONNETICUT 06082

#### JANUARY 1990 DX 2100 CHIK 98.9 PQ Quebec, FF, antenna just east of WQCR Burlington/ 2100 WMJS 93.5 VT Springfield, Kiss 93.5 30 Tr Heavy Ice: WUPE 95.9 off 1810 CJFM 95.9 PQ Montreal, FM 96, EE, FF thrown in 1943 WVOS 95.9 NY Liberty 0742 WYLR 95.9 NY Giens Falls, WUPE on, but weak FEBRUARY 1990 DX 2 Tr 2155 WZCL 105.3 VA Norfolk, also WYFI 99.7 0852 unID 107.5 Thunder 107 (WTHT Portland-gc) 0910 WLNH 98.3 NH Laconia, r 0932 WFTN 94.1 NH Franklin, Classic Hits 0940 WENU 101.7 NY Hudson Falls 0941 WBFL 107.1 VT Bellows Falls, B107, oldies? 15 Tr WMAS off due to icing

2100 WKLL 94.9 NY Utica, r classic hits

JANUARY 1990 DX

26 Tr 0745 WOSR 105.7 MD Catonsville

1748 WLTJ 92.9 PA Pittsburgh, in and out with WMGS Scranton, Lite 92.9 WSHH also heard

MARCH 1990 DX

0640 WXYV 102.7 MD Baltimore, V-103, mixing in with WNEW New York.

Notes: Bill Nollman and I came over one night with 5 150 khz filters. We put the 150's into the Carver. We both noticed improved selectivity over the 180 filters. In my own observation, selectivity on the local adjacent channel was the same as with the 180s. But a dramatic difference was noted on the upper adjacent channels like 107.1, 106.1, 104.3, 103.1, 96.7, 95.9, 94.9, 92.7, 100.7. All of a sudden stations like WGNY 103.1, and WHUD 100.7 were completely in the clear. I would say if the 180 khz don't guite cut it on the upper channel, install the 150s. However, if you are using an analog tuner, you might not even need the 150s. My Sony (with 180s) is just as good as the Carver with 150s.

#### DX,ers Earlybird Specials from Rich.

Rich Wertman

6150 Crosby Rd.

Lockport, N.Y. 14094

CHANNEL MASTER:	Deep Fringe
#9510 antenna rotors \$69.95 + 5.00 U.P.S.	VHF/FM 75 Ohm
#4406 stereo probe Sm. \$63.25 + 6.00 ""	Model 0040C
#4408 " " " Lg \$85.00 + 7.00 ""	75 ohm
#4225 4 bay bowtie \$28.95 +5.00 ""	1 1
#4228 8 bay bowtie \$ 6295 +6.00 ""	75 300 ohm ohm
#0040c VHF 750hm out 17db high input \$60.95+ 5.00 ups	onn onm
#006lc VHF same as above BUT W/ 75 ohm input also. \$76.05 +5.00	
#0071c UHF 23db 75 ohm output \$76.05 + 5.00ups	
#0069c UHF same as above but 75 ohm in also. 79.05 + 5.00	
MONITENNA SCANNER ANTENNA 30-890 Mhz W/Cable +connectors	#400E + 600
WINEGARD COMPANY:	\$49.95 + 6.00 ups
CS-6065 FM \$102.50 + 7.00 ups	
CS-2073 VHF -HI 10 Ele. \$ 73.00 +7.00 "	
CS-9095 UHF corner yagi \$ 99.00 +7.00	
CS-9085 UHF corner yagi \$ 80.50 +7.00	$\times$ $\cdot$
KU-420 4bay bowtie \$36.95 +5.00	
KU-4202 8 bay bowtie \$ 66.00 +7.00	
CP or GA -3800 VHF 28db, \$ 72.00 +5.00	
CPorGA -4800 UHF 20db \$ 79.00 +500	
AC- 4990 UHF 19db low noise \$107.50 +5.00	
AC-9130 VHF 24db low noise \$ 79.50 +5.00	
PA-1375 VHF Commercial 26db \$ 120.50 +5.00	
PA-4975 UHF " " 29db \$ 139.50 + 5.00	
ANTENNACRAFT	
P-5 UHF parabolic dish \$59.95 +6.00 UPS	////
P-7 UHF parabolic dish \$79.95 +8.00 UPS	
GFM-10 10ele F.m. \$45.95 +7.00UPS	
10 ELEMENT cut or broadband Yagis HI-VHF \$30.00 +6.00 UPS	
10 ELEMENT " " LO-VHF \$60.00 +6.00 "	
5 ELEMENT cut or broadband Yagis Hi-VHF \$20.00 +5.00 UPS	
5 ELEMENT " " Yagis LO VHF \$ 32.00 +6.00 UPS	
6 outlet surge +noise suppression strips \$37.95 +3.00 UPS	
Single plug type surge protection \$ 7.95 +3.00 UPS	
RG-59u coaxial cable 18 perfoot or 1000' at \$ 100.00 +UPS	
RG-6u " " .25 perfoot or 1000' at \$149.50 +UPS	
Rg-Ilu sold only in 1000' spools at\$269.95 +ups	
CALL or WRITE	

Just got ahold of some super antennas for a super price, and I'd like to pass along these deals to any members. Cleaned out an attic of an old distributor in our area. Some I thought may be of interest to DXers:

Phone # (716-433-0805)

TEKNIKA - TVC-22 - remote tuners and SAP + MTS -- \$89.00 + shipping, Limited (Super receiver close to 6510'5)

WINEGARD - CH-5200 VHF log Chromstars - 200" boom length - excellent VHF antenna - I'll sell at \$125.00 each. Distributor 12-up cost on this item \$185.00 (way below cost)

WINEGARD - CH 5048 VHF edge style chromstar - 120" boom. Excellent antenna, very directive - I'll sell for \$100 each. Distributor 12-up on this is \$154.00 (way below cost).

These antenna prices don't include shipping; call or write me and we can work out a price for your area. Phone (716) 433-0805 after 5 pm ET M-S.