



# From The STAFF

IT'S TIME FOR THE WINTER BLAHS...Or is it? So far, 1990 hasn't fit into the classic "winter weather pattern"--maybe a good sign for those looking for unusual DX conditions. Following a cold and generally stormy December across North America, weather moderated, bringing what appeared to be extended "January thaw" conditions in many areas. Many veteran VHF-UHF enthusiasts will tell you that some of their best tropo results of the year can be found during unusually mild winters. Usually, February is the worst time of the year for DXing the VHF and UHF bands (with, of course, notable exceptions to be found in the Sunbelt areas).

AND DON'T FORGET ABOUT AURORA...And as the cover shows, it CAN be amazing. Since we're so near to the peak of the 11-year sunspot cycle, and since current activity has been so intense, there is good reason to believe that last year's fantastic auroral openings were a preview for what could happen this year. March is the traditional peak month for auroral disturbances, but February could prove to be almost as good. Don't forget to keep your antenna pointed north!

F2 SKIP DROPS RAPIDLY AFTER AMAZING NOVEMBER...December 1989 seemed to feature only a day or two of the kind of great F2 skip events that took place in November--no doubt due to the wild variations that took place in solar-terrestrial conditions; news about November DX via F2 skip keeps coming in. A reminder--West Coast DXers may be able to get into some great F2 again soon, as seasonal peaks on transPacific paths will occur within the next several weeks.

COLUMN NEWS...QSL CORNER editor Tom Yingling relates that technical problems have prevented him from doing a column this month.

## TABLE OF CONTENTS

ANARC UPDATE: ANARCON '90 will take place in Virginia in September...	3
TELEVISION NEWS: WRAL-5 and WPTF-28 in NC lose towers in ice storm...	4
FCC FM NEWS: FCC shuts down pirates, goes after "community" station...	6
NORTHERN FM DX: December 15 FM E-skip noted by many.....	10
PHOTO NEWS: Wrapping up Kadet's super September '89 UHF DX photos...	14
SOUTHERN FM DX: Interesting off-season loggings from AL and CA.....	16
FM STATISTICS: The first FM Scoreboard of the 90's.....	18
WESTERN TV DX: December was good for E-skip; F2 activity drops off...	19
EASTERN TV DX: Still a ketchup column???	22
SATELLITE NEWS: BBC is planning a World Service Television channel...	23
A COMPARISON OF TWO MODIFICATIONS: More about FM tuner filters.....	24
MODIFYING YOUR TX-11A FOR BETTER DX: As easy as flipping a switch...	25
TV TIME TUNNEL: When UHF TV service started, so did problems.....	26
PUZZLE PAGE: Brand name word puzzle, last month's crossword answers...	27

# ANARC UPDATE

## ANARC Newsbriefs

Happy 1990! The beginning of the new year brings little in the way of ANARC News. Elections for the ANARC Executive Council took place in December. Elected to the Council were Bob Brown (of NASWA), Tom Gavaras (of MDXC), and Arlene Luskin (of WAOXA). They join Kirk Baxter (of ACE), Bob Walker (of MARE) and Don Moman (of CIDX).

ANARCON '90 will be held September 15 to 16 at the Radisson Hotel in Virginia Beach, VA. ANARCON '90 will be held in conjunction with the annual Tidewater Radio/Computer Fair. The expected cost for rooms will be approx. \$55 per night single, \$65 per night double. The organizers are hoping that representatives of several Eastern European stations will attend.

ANARC is looking for comments on the proposed revocation of the shared frequencies of 3800-4000 and 7100-7300 kHz. Currently, these frequencies are shared by Amateur Radio Services in North and South America and International Broadcasters. It seems likely that in 1992, these frequencies will be given to the International Broadcasters. The FCC has set up a docket number on the subject, Gen. Docket 89-554. Comments on the docket are due by Feb 16th.

## Sprachman's Corner

Observations from Vermont... We finally had a chance to take a vacation in 1989. We spent 5 days driving around Vermont and the Hudson Valley of New York. New to the air, WRDW 107.3 Highland NY with a country music format. WMXR 93.9 Woodstock VT, "Magic 94" is on the air with a lite rock format. WSBH 96.1 Warren VT is the State's outlet for "Zippo in the Morning". Waterbury's WGLY 103.1 has a lousy signal range. The station's translators have a greater signal range. WMNM 92.1 Port Henry NY likes the Vermont side of Lake Champlain better. Their offices are in Vergennes VT and they make a big deal about it. New in Rutland VT, a station on 94.5 calling itself KISS 94.5 (what are the call letters?), and WRUT 97.1 has new call letters and has a non-ID of "Z-97". Bennington's WHGC 94.3 is mono.

New York Media Briefs... WGLI 1290 Babylon is gone. The East End of Long Island will be gaining two new stations in 1990- WMNK 104.7 Montauk will go on the air once they can figure out a format, and WVEH 96.7 East Hampton. Two East ender's given power increases, WBAZ 101.7 Southold, and WJHB 107.1 Westhampton. A little trivia, one of the owners of WJHB is Paul Simon's brother. WJOT 94.3 Smithtown has applied for a power increase. An oddity on TV- W53AA continues to test sporadically. The station has been doing this for about a year without signing on with any programming. The station tends to test during holiday weekends.

Are New York's pirates gone? In the last few months I've only heard them one or two times. Recently, the operator of WHOT were busted. Also, WSHR 91.9 Lake Ronkonkoma has increased its broadcast day. It is often on the air as late as 10pm. So, what happened to all those pirates that used to broadcast on such a regular basis last winter?

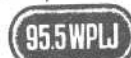


73's and the best of DX in the 90's, **CD2JOL9**

Steven P. Sprachman



**92.7 WDRE**



# Television news

Bill Fabber, editor  
336 Atlantic Street  
Bridgeton, NJ 08302

## FORUM

I found this letter from **JAMES J. NAHIRNIAK** (Warren MI), dated 9/10/89, stapled to its envelope and filed away with some junk papers on my desk. Anyway, here it is: "CBS' purchase of a substandard facility (WCIX in Miami), obviously because the price was so cheap, got me thinking about how one of the networks might acquire a station in a major market at a bargain price by considering UHF. CBS buying a UHF station in Detroit could work out well, for several reasons. Their present affiliate, WJBK-TV channel 2, is in sorry shape anyway, with early evening newscasts often beat out in the ratings by **IMO** UHF stations. The disadvantage of being on UHF in Detroit is not that bad - Detroit is a compact size and flat market - ideal for a UHF signal. Lots of viewers are used to having UHF, with WKBD-50 and WXON-20 both very popular. And the growth of cable removes any disadvantage of the signal on UHF.

"The networks make their biggest profits on their owned & operated stations, not on network operations, so they should try to own as many stations as possible. The FCC allows one company to own stations covering a maximum of 25% of viewers throughout the country, but UHF counts only half that of VHF. The FCC is also granting waivers for radio-TV crossownership restrictions involving UHF stations, so CBS could keep WWJ-AM and WJDI-FM. If this UHF experiment doesn't work out, channel 2 would probably jump at the chance to re-affiliate with CBS, and the UHF station could be sold." I believe the FCC is easing its ownership restrictions only in situations where the public would benefit. I don't see how this would be the case in Detroit.

Also, with respect to the disadvantages of UHF operation, it goes beyond just smaller coverage areas. Back in 1978, the FCC established a UHF Comparability Task Force to study what was then called the UHF handicap, the fact that UHF stations were having tremendous difficulty gaining parity with VHF and financial stability. Among other problems that it found were higher operating expenses, particularly in the much higher power needed to transmit, shadow areas within the station's coverage area, receivers that cannot tune UHF stations as easily as VHF, have no coaxial cable jack for UHF, remote control sets that work only on VHF. One thing they didn't mention, is that the mentality of the average couch potato is such that he doesn't know how to count past thirteen.

From **BILL NIENAJADLY** (Clifton NJ), this article from the 12/28/89 *North Jersey Herald News*: "If you thought live back surgery was exciting, wait till you hear what WHYY-TV in Philadelphia (channel 12 in Wilmington DE. -wbf) has planned next - live reconstructive surgery on an infant's skull! True fact, operating-room freaks. Following the success of the public station's 'The Back Opera-

tion' in June, WHYY has lined up another live production Feb. 20. This one's out of Children's Hospital of Philadelphia. The patient will be a 15-month-old girl." I just hope the sudden popularity doesn't get to the kid's head.

This idea isn't really new, of course. The networks have been messing with children's brains every Saturday morning for years. I'd hate to see the Playboy Channel catch on to the idea of live operations.

**JOHN COMBS** (Jacksonville FL) reports, "the towers of both WRAL-5 (Raleigh NC -wbf) and WPTF-28 (Durham NC -wbf) collapsed due to the severe ice storm in the area (about half mile apart -wbf)!" "WPTF-28 was still on cable (presumably microwaving their signal to the CATV headend)." "WKFT-40 (Fayetteville NC -wbf) was carrying WRAL-5's programming! Sure enough, I caught WKFT-40 running WRAL with full WRAL-5 IDs, promos & PSAs, occasionally adding a WKFT-40 ID at bottom of screen."

**TOM YINGLING** (Dundalk MD) confirmed the above, and added that programming of WPTF-28 is being aired by WYED-17 in Goldsboro and WFCT-62 in Fayetteville.

A little excitement in the midwest, according to **MARK JAMES** (Marquette MI). From the *Marquette MI Mining Journal*, "Almost 300 families in western Marquette County have had a quarter of their television programming discontinued, apparently due to a conflict between the signal provider and a Detroit TV station. The signal, WDIV channel 4 in Detroit, was received locally via satellite and rebroadcast from a translator tower (...W11AV) located south of the village of Champion, to a small number of households not currently serviced by cable television..." "The signal was shut down about 9 Friday night...after the [Translator] authority...received notification from a WDIV attorney requesting that the service be stopped. The letter, dated Dec. 11 and received by the authority several days later, said the communications should serve as 'notice that WDIV, channel 4, Detroit, does not consent nor authorizes the retransmission of its signal in whole in part by W11AV.'"

**RONALD PURDUE** (Byron MN) writes on the Minnesota Independent Network, "It is apparent that KTMA's programming from the Twin Cities continues to falter. They are broadcasting the same movies over and over and over again! Along with scores of those so-called 'paid programming' shows on about 15% of the time of weekdays and 40% on weekends. I don't think that the MIN network will ever materialize due to KTMA's nonsense type of shows. It means that KXLT-47 in Rochester, MN won't be back and anyone is free to apply for the channel once again. This means that the FCC freeze will affect this?" It would be more likely, and simpler, for anybody wanting a television station in Rochester to buy the station's license and facilities, rather than wait for the freeze to end, apply, risk competitive applications, seek a tower site and construct the new station from scratch.

"If the freeze doesn't affect a new application for channel 47, the Rochester, Austin and Mason City, IA market is in desperate need of a Fox affiliate." Judging from the Fox

FEBRUARY, 1990

TELEVISION NEWS - page 2

FEBRUARY, 1990

network ratings, I don't think there's much chance of anybody being in desperate need of a Fox affiliate.

"In other TV news, the channel 60 LPTV station in Rochester went on the air in November 1st with the Trinity Broadcasting Network programming full time from a xeat located NE of Rochester in Haverhill Township."

"Another question on the freeze, what the FCC will do to all those vacant TV channels...since the freeze means that no one can apply for them even the channel(s) available to the community?" The freeze is only temporary while the FCC is studying the possibility of establishing a new television system superior to the present system. After the study is completed, the FCC will decide whether to reserve those channels for the advanced system or reopen them to conventional broadcasting.

While we're in Minnesota, let's go on to **JOHN EBELING** (Bloomington MN), who writes, "I did run across a channel 62 the other day, carrying the same program as KTMA-23. For several days the same thing, never a separate ID (or ID of any kind). Also noticed testing a few weeks ago a LPTV on channel 7, with an ID of K07UI (must be a mess of Ch 7 LPTV's). Last evening when KTMA-23 ran their sign-off, they mentioned K07UI, even though it is not on the air (hasn't been for over a week).

"Anyway, to tie this all together, I called KTMA. Found out that the Ch 62 signal (calls unknown) will be on the air 18 hrs a day as a shoppers channel (Value Network? ). K07UI will be simulcasting KTMA-23 to provide a signal for those who can not get or having difficulty receiving KTMA-23. What a waste of allocational!

Both antennas of Ch 62 and 7 are on the IDS building downtown Mpls. I do not know the power of either station. I get Ch 62 about as well as Ch 53 at my home 10 miles from the IDS tower, but I am in somewhat of a valley-no direct line of sight.

"I too have noticed nothing regarding the MN UHF network (MIN). Red River TV in Fargo has made no changes in their programming, and they were to have been a part of this now defunct new venture.

"The Grand Marais MN translator story pops up every year since MacLean-Hunter cable TV dropped the Duluth stations that were being relayed up the shore of Lake Superior to Thunder Bay, ON. They have Detroit, MI stations on their cable system, which most people in TB can't understand. Their ties are much more with Duluth than Detroit. There are a lot of Canadians driving to northern MN and Duluth to shop, as the Canadian prices are way too high."

"P.S. Calculus textbooks can be blamed for anything!" I must admit one thing, John: That calculus textbook gave me a whole new meaning to the term, "DX."

It's been a bad month both for mail and research. The library hadn't bothered sorting out its reference material during winter recess, and what little research I got isn't worth printing, except to say that two new stations on the air are KTDZ-TV, ch. 24+, Portland OR (2710 kw ERP; TBN affiliate) and WFXX, ch. 8+, Morehead City NC (316 kw; a desperately needed Fox affiliate). Correcting a mistake in the 8/89 VUD, WNUV-TV, ch. 54 Baltimore MD was to raise its ERP to 5000 kw, which it had done a few months ago.

That's all for this month. - wbf

## FM STATION ADDRESS BOOK

3rd Edition

ONLY \$10.95

- \* INCLUDES CANADA STATIONS!
- \* 8 1/2 x 11"
- \* FULL SIZE TYPE
- \* LISTED BY STATE, BY CITY

ORDER FROM:  
NRC PUBLICATIONS CENTER  
P.O. BOX 164, MANNSVILLE, NY 13661

Order by Phone: (608)423-4159 7PM-11PM Eastern Local Time [NO COLLECT CALLS]  
USE YOUR VISA OR MASTERCARD

or Mail this form to:  
NRC Publications Center, P.O. Box 164, Mannsville, NY 13661.  
Foreign Orders write for correct pricing.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_



Readers' Reports

"Although I do not DX on FM, I thought I may use [the FM Atlas] to ID some stations which simulcast FMers and use only FM alogans as ID," writes William R. Hale, who edits a column for NRC's "DX News." He says KQFX 96.7 Georgetown-Austin is now 100 kw.

"Sorry we did not make the 1989 convention," says Brooklyn's Max Engel. "Ise is still recovering from 12-16-88 car accident. She was treated for a fractured KNEE for three months. She actually had a fractured HIP. On March 31, 1989 she had to have a complete hip replacement. Ise is starting to walk again with a cane. I hope all will be well soon." I do, too, Max, and wish you and all the readers the best in '90.

John Ebeling sent articles from Audio (Jan. '90) on a small FM radio made to work in a printed circuit board—probably no FM DX instrument—and a write-up on the Audiopriam 7500 indoor antenna (Dec. '89) by Leonard Feldman. I can't understand Feldman, who's obviously no friend of FM DX. He rates indoor antennae only on the basis of local station reception, measuring field strengths. Further, his frequencies are in error, for he shows, for NY City FM reception, "90.9," "100.5" and "106.9." I have written him, suggesting that he get an FM Atlas and then he could accurately report and check on the frequencies of stations he obviously knows nothing about. Maybe somebody locally could contact him and set him straight.

Bill Nienajadly could set Len straight on how to compare receivers or antennae side by side, and how to improve selectivity. He's also out to clear the air of "lame" FM stations. I just got flack from former FM DXer J. Alex Bowab, now in FM station ownership: "I have known of your pre-eminence in the area of FM signal propagation since I was a DXer back in 1968. Frankly, I enjoy FMedia! but am sick and tired of the tirades about 'lame' radio. WDLT [98.3 Chickasaw AL] is what you would call a 'lame station'. We play soft adult contemp., sticking with 'safe' titles and there is nothing wrong with this. It appeals to a segment of the audience, and serves a need, primarily to be a station that one can listen to at work without being too obtrusive, and . . . not put one to sleep. We don't apologize for it. If you plan to continue all this 'lame' crap, please cancel my subscription."

Bill N. exults in the realization that his local AM station, WPAT (but mainly with co-programmed WPAT-FM 93.1) is No. 1 in the NY ratings, ahead of WHTZ and others. The AM is in his home town of Clifton NJ with its transmitter. He points out that AM DX will be around for a while with WINS being No. 1 in the morning, followed by WOR, WCBS AM and then it's WLTW and a flock of FMers. "I just joined the NRC. See that goes to prove I don't hate AM! But the programming on AM is the pits! Hope you're having great success modifying tuners with those 180 kHz filters! Mostly everyone who modified their tuners reports great success!" Bill reports success in modifying Bob Smolarek's Carver TX-11 and the receiver of an unnamed CT DXer has been so modified. "I'm glad you are finally listing a separate category for oldies and are not including lame stations! I disagree with Nick Lombardi, as Ernie Cooper mentioned in the Dec. '89 FMedia! 'r' is too broad a category and Nick says 'you're opening a "hornet's nest".' But as Ernie mentioned during E-skip one needs to know the various formats on each frequency to help narrow down the

possibilities. As new stations clog the FM dial it will be necessary to distinguish the oldies from classic rock from top 40 from lame. Heh, how about 'Im' for lame—a/c, softrock. Does 'rm' really stand for 'rotten music'? Does 'A/C' really stand for 'all crap'? Heh! I'd like to see a Philly/South Jersey dial history. Would be interesting!" [I ruled out Ernie's suggestion as a great time-waster on my part, and something that would make clutter worse on the by-frequency pages of the "FM Atlas."]

"Bruce, don't cut back your column because of some ungrateful members!" Bill exhorts. "Really! It would be hurting a majority of us WTFDA members! Why? Because of someone's comments? Keep up the excellent toil! Looking forward to MORE pages, regardless of 'comments.'" Bill sent an excellent article on pirate radio that was in the NY Daily News Magazine, Dec. 17. Why, the FCC even knows the street addresses of many pirates not yet busted. Only Bill has replied so far, and if others have comments I will print them, but only with reporters' names. I won't print anonymous comments here.

Speaking of pirates, Gordon Fenderson, Jr., mentions receiving on 104.7 and later on 105.3 during several early afternoons in 1989 "WOBS," for as much as an hour at a time, broadcasting "soft contemporary music, with a legal-sounding announcement, 'The sounds of the seacoast are on WOBS 105.3 Old Orchard Beach' [ME]. I've seen no towers in this town; and, I understand, 104.7 is assigned to Kennebunkport, about 16 km south of here, with several applications; and there has been a construction permit for many years for a 105.3 in Kittery ME, 55 km southwest of here. So I am wondering if 'WOBS' is simply a pirate station, or what is the situation here? . . . Could you please supply the current address of the WTFDA?"

John Jefferson was able to take advantage of the Loma Prieta earthquake to DX, with only seven of San Francisco's FM stations on the air. He found 100.3 the most productive frequency to camp on. An FM SCA customer in Detroit is enjoying a new form of DX: "The Sony radio [boombox] was received 12-27-89. You did excellent work on the radio, and for this I must commend you. Thanks for bringing SCA to my attention in the 3-89 Monitoring Times. Very interesting!" writes Sander J. Rabinowitz.

On-and-off-again DXer Don Voegel's heard the new KBVM #88.3 Portland OR, giving Salem a strong signal with Christmas music and easy listening, on 7 a.m. to 7 p.m. Knowing stereo KBVM's Catholic ownership, perhaps they're continuing Christmas music into 1990; year 'round Christmas music a possibility? KDNW #90.5 Duluth and other stations on the NW College satellite network continued Christmas music well past Christmas, which I find a delightful trend. Not to digress, but Don's thinking of adding a tunable Elf-II adapter to his Panasonic RF-2200 so he can DX an additional "band."

One of my TV Factbook buyers was Bill Dulmage, who sent \$10 for a 1977 edition. Yes, 1977! But it was still full of relevant information, and over half that money was eaten up in mailing it to Canada. I still have the 1977 Services Volume. No station addresses, but in very good (but slightly musty) condition. Send \$5 and a SASE for US customers; \$8 Canadian. It has the names of firms that do business with TV and cable systems, translators, CATV systems' addresses, etc. The SASE is in case I have to return your check. I had to return the checks of about four people who ordered the

1987 TV Factbook that I had, so I lost a dollar postage returning the checks. Bill found out it is cheaper to remit by Canadian Postal Money Order to the U.S. rather than using a personal cheque. "Besides the exchange rate, the banks here now charge a five dollar service fee for cheques written in U.S. funds! As if it is that much trouble for them. So my \$10 cheque to you cost me \$16.83 U.S., whereas the postal money order cost me \$13.15 (exchange plus 1.25 service charge)."

Bill says CFMX-1 96.3 in the Toronto area tested with 100 kw for a couple of weeks. "I guess the results were good (there was no improvement this way because we have to protect CFMK Kingston). From what I understand, we have D.O.C. blessing, so just have to decide whether to apply to the CRTC for a power increase. We are still looking seriously at CKO's 99.1. If and when the CRTC decides to open that frequency up for new applications, the competition will be very tough, I'm sure!" CKO's carrier has since returned with a pesky tone, probably to protect SCMO contracts on 67 and 92 kHz. CFMX-1 and CFMX Cobourg had a "good ratings book. No major jumps for the most part, but good, steady growth! We seem to be catching on more and more. AMs really dropped in this Toronto fall book, too!"

Larry Weil mentions the demise of Canada's CKO network, saying he'll miss it when he travels to Canada, and he believes CBC AM stations in NB and NS may already have bitten the dust in favor of FM.

Neil Griffin noticed the article in a recent VUD about David Shapiro starting an organization for disabled journalists, and he's starting to experiment with SCA DX. WO-FM Ames' reading service to the blind is at 92 kHz and is weak in Ottumwa IA, "but receivable when connected to an outside antenna." He likes the FM Atlas, but its cover has worn out from usage. His solution was to apply contact paper to it. "Not only does it reduce wear and tear, coffee and soda spills wipe off."

A NJ reader sent a newspaper article on Gerry Turro filing for low power FM at his translator serving Bergen County. No name was on the envelope; perhaps it came from Turro himself. Turro is now running a translator on 94.3 in Pomona NY, carrying WHTZ 100.3. This causes Karl Zuk to muse, "Boy, is this a useful addition to the band! There is absolutely nowhere where WHTZ's signal doesn't pound into this county. I called co-channel stations WCTO and WJLK-FM and they just shrugged and said 'We can't do anything about it'. WHTZ commented, 'Well, we have an FCC license, and it doesn't matter what you think!'. This is some amazing one watt Turro is transmitting! He now has four translators in the area. . . Maybe he should start the Turro Translator network! He's trying for LPFM, but good luck! Love the column! Keep up the good work."

A WHTZ consultant, Robert B. Mugrdechian, objects to what Karl says about W232AL. "I don't agree that 'there is absolutely nowhere where WHTZ signal doesn't pound into this county'. There are plenty of spots where the signal drops out, due to mountains. . . With the translator, the problem is almost eliminated. As a further note, why did this person call WCTO and WJLK-FM? Neither one of these stations serve Rockland County! I know that W232AL is not reducing their coverage area either! He said he made field tests from Croton to Manhattan. Big deal! Croton is in Westchester County, not Rockland! Before this person wrote in he should have done field tests in Rockland and Bergen Counties. In the town of Tallman (outside of Suffern) W232AL is barely listenable! Only eight km to the southwest! WCTO is 'pounding' into Tallman, so I don't think they have a problem in Long Island. W232AL can be heard in some parts of Bergen. I even hear it here in Palisades Park. I don't believe Z-100 was quoted correctly! . . . I agree that it doesn't matter what the

writer thinks. As a matter of fact, I do freelance work for Z-100, and the chief engineer has nothing to do with W232AL; it's Turro's project. . . In fact, Z-100 doesn't know where the translator is located in Pomona (not to mention the fact where Pomona is!). I was wondering, do you know the location? The only thing I could think of is the AM radio station WRKL 910 AM. That's the only big tower in Pomona. If it is then, Turro must have some good connections! I'm sorry your writer doesn't like the audio processing on WHTZ/Z-100. There are constant write-ups in "Radio World" about how fantastic the set-up is. I just think that this person doesn't like Z-100. They are the #2 station in the U.S.A., so they must be doing something right." [However, according to the latest ratings, Z-100 is at about No. 5 in the NY market, behind WPAT-FM and "lame" WLTW among others—b.e.]

Dave Sinclair sent an article on 12 applicants for Toronto's last spot on the FM dial—92.5 mhz at Oshawa. Applications are being heard based on the proposed formats of the stations, so once on the air with a certain format, you are locked in. It's hard to change, unlike in the United States. "Since CKO our all news station went off the air in Vancouver and elsewhere, rumours are that others, all of which are local AM stations, are anxious to apply for the frequency for various formats. This will be interesting to see what happens."

Now to news that is only partially reprinted from my FMedia! newsletter. If I keep offending subscribers, this column may have to grow to take up the slack from the other publication, whose rates I have increased in an effort to cut down on subscriptions and ease our workload in getting it out. You can test how good a reader I am of other VUD columns by consulting the feature, buried farther on, called "See Also."

New FM Station, Translator Grants

- AR Lowell 101.9 50000 h.v; 150 m
- CA North Hollywood KSKO-FM1 97.9 10-w booster of Long Beach station
- FL Tallahassee #88.5 90000 h.v; 375 m, FL State U.
- HI Lihue #90.1 25000 h.v; 100 m, HI Public Radio
- IL Chicago #88.3 280 h.v; 38 m, d [directional antenna], St. Francis Xavier College
- KS Emporia 99.5 3000 h.v; 100 m, C. D. Coffelt
- KY Elizabethtown #90.9 7500 h.v; 180 m, W. KY U.
- LA Baton Rouge #88.5 25000 h.v; 83 m, G. J. Swaggart
- LA Folsom (between Hammond and Bogalusa) 104.9 3000 h.v; 100 m
- MI Allagan 92.3 860 h.v; 183 m, Midpoint Bcsty.
- MN Caledonia 94.7 3000 h.v; 100 m, Oasis Bcsty.
- MO Campbell 102.5 3000 h.v; 100 m
- MO La Monte 97.1 1400 h.v; 150 m
- NE Omaha #88.1 1100 h.v; 91 m, S. Family Stations
- NH Moultonborough KHSA (yes, "K") 106.9 74 h.v; 604 m
- NM Gallup KKOR-1 94.5 5000-watt booster of Gallup station
- NM Hobbs KOKN 102.9 100000 h.v; 518 m
- NY Ogdensburg 98.7 3000 h.v; 100 m
- NY Syracuse WVOA-1 105.1 2500-watt booster of De Ruyter station
- NC Raleigh 102.9 3000 h.v; 100 m
- OH Marysville 105.7 3000 h.v; 100 m
- OK Tishomingo 106.3 3000 h.v; 100 m
- OR North Bend 107.3 100000 h, 41400 v; 158 m
- OR Nyssa 98.7 3000 h.v; 100 m, R. M. Mason
- TN Crossville 102.5 3000 h.v; 91 m
- TN East Ridge (Chattanooga) 107.9 3000 h.v; 100 m
- TX Burnet 92.5 2400 h.v; 100 m
- TX Johnson City 107.9 50000 h.v; 150 m
- TX Lufkin #88.9 35500 h.v; 203 m, LA State U.
- VA Dublin #91.5 10 watts h, 90 watts vertical; 367 m, Golden Rule Organizational Workshop, Inc.
- VA Exmore 106.1 3000 h.v; 100 m
- VA Saltville 106.1 3000 h.v; 10 m

Call Letters Assigned to DX Targets

- AL Linden 102.9 WNPT-FM (from WBAN)
- AL Russellville 97.7 WKQL (WZMX)
- AZ Ajo 98.3 KTTZ
- AZ Eagar 92.5 KTHQ (KVAO)
- AZ Mesa 104.7 KZZP-FM (KZZP-FM; AM has new calls)
- AZ Tube City #91.5 KGHR
- AZ Tucson 99.5 KIIM-FM (KIIM)

AZ Yuma \*88.9 KAWC-FM (KRRQ; KRRQ calls remain in Lafayette LA, 95.5)
AR Greenwood 106.3 KZKZ-FM\*\* (KZKZ-FM; AM has new calls)
CA Morgen Hill 96.1 KRAC [99] (strict)
CA Stockton 89.3 KJJO (KJAX), "Joy/
CA Visalia 96.1 KGYU
CA Winton 98.7 KEAL
CO Grand Junction 92.3 KJVE-FM (KVEE-FM)
107.9 KIOB (KJYE) [(KCSJ-FM)]
CO Pueblo 107.1 KGRQ-FM\*\* [new calls]
107.9 KRYT-FM\*\* (KRYT-FM; AM has/
CO Vail 104.7 KSKC (KVMT)
FL Beverly Hills 97.1 WEDA
FL Callaway 103.5 WBSK (WXDZ)
FL Dogwood Lakes Estate \*81.1 WJED
FL Holmes Beach 98.7 WAPP
FL Lake City 94.3 WQXP (WQPD)
FL Lakeland \*91.9 WYFO (WQWL)
FL Pensacola 101.5 WTKX-FM (WTKX)
FL Riviera Beach 94.3 WOLL (WMXQ), o[ldies]
FL Solana 105.3 WHLC
FL Fort Valley 104.1 WQJX (WLFA)
GA Clayton 97.9 WKXK (WNEG), m
GA Gordon 107.1 WYGO (WQXM-FM)
GA Lakeland 105.9 WHFE (Pearl City)
HI Honolulu \*88.3 KIPQ-FM (KIPQ; AM is in/
ID McCall \*91.7 KDSM
IL Aurora 107.9 WYSY-FM (WYSY)
IL Lynnville 107.1 WEAJ
IL Mount Carmel 94.9 WRBT (WYER-FM)
IL Pana 100.9 WKXO-FM (WKXK); AM is in/
Fort Valley GA; still k
IN Roanoke 105.1 WQTX (WHOR)
IA Clinton 96.1 KMJC-FM (KLIO); AM is in El/
Cajon CA, r, "Magic 96"
KS Columbia 98.3 KQCD (KSSC-FM)
KY Whites City 105.9 WHAY
LA Bunkie 104.3 KRBB
LA Houma 107.5 KIXA (KCLL)
ME Madison 97.5 WHAA
ME Pittsford 99.5 WFOU
MI Baraga 104.3 WXNL (WJMY)
MI Detroit 92.3 WMXD (WVAE), r, uses slogan
"The Mix," but always with calls.
MI Gaylord 95.3 WMJZ-FM\*\* (WMJZ-FM; AM
has new calls)
MI Mount Pleasant 104.3 WCZY (not WMMI)
MI Norway 94.3 WZNL (WNWY)
MI Oscoda 100.1 WCLS
MI Sturgis 99.3 WMSB-FM (WSTR-FM)
MN Jackson 105.3 KRAQ
MN Wabasha 102.5 KWMB-FM\*\*
MS Cleveland 107.7 WZRI [in Biloxi]
MS Gulfport 107.1 WXLN-FM (WXLN; AM is/
MS Pascagoula 99.1 WKNN-FM (WKNN)
MO Chaffee 104.7 KZRZ
MO Parryville 93.1 (not 106.7) KRAA
MO Republic 99.5 KADI [from KTCM]
MO Washington \*89.9 KGNV (back to, /
MT West Yellowstone 96.5 KRGS
NE Hastings \*88.1 KJNL-FM
NE Lexington \*88.7 KLNE-FM
NE Norfolk \*89.3 KXNE-FM
NV Las Vegas 105.1 KRBO (KLTN)
NV Laughlin 107.9 KLUK
NV Margate City 96.1 WFOU
NM Angel Fire 99.1 KAFC
NM Grants 100.9 KDYC [m (100000 h,v)]
NM Roswell 100.5 KSFX (not KURQ), 37/
106.5 KURQ (not KSFX)
NM Taos 99.9 KRBJ
NY Cape Vincent 94.7 WMHI
NY Catskill 98.5 WKZK
NY New Paltz \*88.7 WFNP
NY Poughkeepsie \*88.7 WMHX-FM\*\*
NY Utica 100.7 WEIF
NC Dunn 103.5 WRCO-FM (WDKS; AM is in/
New Britain CT), r ("rock")
NC Elizabethtown 105.7 WGRQ (WSAD)
NC Erwin \*88.3 WUAW
NC Nags Head 92.3 WPJR
OH Caldwell 104.9 WWKC (WNQV)

OH Coal Grove 97.1 WXVK
OH Crestline 98.7 WAPQ (WHOH)
OH Ironton \*89.1 WOUL-FM (WOUL)
OH Loudonville 107.7 WBZW (WLMA)
OK Bethany 104.9 KNKT (KJLL)
PA Franklin 99.3 WFRA-FM (WVEN) [m ono]
PA Jersey Shore 97.7 WRKK (WYRS), still m, /
PA Masontown \*106.9 WRJJ
PA North East 100.9 WRKT-FM (WRKT)
PA Patton 94.7 WBRX (WHUM)
PA Port Allegany 94.9 WHKS (WNSY)
PA Sharpville 95.9 WQJY-FM (WIMGZ-FM; AM
is in Farrell PA), "Joy"
PA Tioga 93.3 WPHD (WKGV)
PA Topham 107.9 WPMR
RI Providence 104.5 WNNB (WLKWL-FM)
SC Aiken \*88.1 WLKJ (back to, from WTUC)
SC Greenville \*91.7 WTBJ-FM (WHBS; AM is in/
Pickens SC)
SC Williston 94.7 WAAW
SD Hunter 105.1 KAAA
TN Duxford 93.7 WBVD
TN South Pittsburg 97.3 WKXJ
TX Abilene 92.5 KFJX
TX Crane 100.9 KAIR
TX Galveston 104.9 KGWV (KRTX), r, "Wava"
TX Harlingen \*88.9 KMBH-FM\*\*
TX Hondo 99.5 KRBB
TX Kilgore \*88.7 KTPB
TX Lufkin \*88.9 KLDN
TX San Angelo 93.9 KTEO-FM (KTEO)
TX San Saba 97.1 KFRJ (KBAL-FM)
TX South Padre Island 92.7 KOVA (not KJIB,
which is in Caldwell TX, 95.1)
95.3 KESQ
TX Tyler 104.1 KGKB
UT Brigham City 100.7 KDQE (KHBS)
UT Tremonton 105.1 KBXQ-FM\*\* (KKVU-FM)
VA Albemarle 107.7 WGNJ
VA Cedar Bluff 107.7 WJHT
VA Williamsburg 96.5 WOSF (WOSF-FM\*\*)
WA Bellingham 104.3 KAFE (KNWR), m,
"lame soft rock"; "Soft Rock Cafe"
WA Colfax 102.3 KRAO [k(ountry)]
WA Lindell 102.7 KORF-FM (KORD), /
WV Linde \*106.7 WHFI
WV Monometh 92.1 WMEQ-FM (WMEQ)
WY Kemmerer 107.3 KRGA
WY Worland 96.1 KKLX (KWOR-FM), m
ON Fort Frances \*90.5 calls assumed to be/
CBQT-1 (from CBQT)
ON Windsor 88.7 CIMX (CJOM), 88.7 The Mix
(strict; never uses call letters)
AK Anchorage KATB \*89.3 11900 h, 15400 v;
88 m [m (100000 h,v), C]
AR Harrison KWNQ 102.9 299/ [m, C]
AR Osceola KMPZ 98.1 100000 h,v (378/ [B]
CA Ridgecrest KZIQ-FM 92.7 1500h,v; 386 m, /
CA Sacramento KYDS \*91.5 410 h,v; 33 m
CA Shasta KKWZ-FM 96.7 3000 h,v; 83 m
FL Bonifay WTBB 97.7 307 m (92000 h,v) [C]
FL Live Oak WKHL-FM 98.1 150000 h,v (113 m), /
LA Belle Chasse KNOX 102.9 6000 h,v (100 m)
LA Oakdale KICR-FM 98.7 (from 104.9) 24000
h,v; 173 m, C2
MO Emmitsburg WMTB \*89.9 1000 h,v; 144 m
MA Athol WCAT-FM 98.9 1900 h,v; 22 m; ON
AIR, r, TU, 87 (telemetry), "99 Cat," "99
NY Pomona W232AL 94.3 has WHTZ 100.3
Newark NJ on air, not WKDQ 92.7 Middle town
NY South Bristol WZSH 95.1 130 m (50000 h,v)
NC Concord WPEG 97.9 446 m (100000 h,v) [C]
NC Reidville WJMH 102.1 99200 h,v; 367 m, /
NC Wilson WAHD \*90.5 3800 h,v; 30 m [346 m]
NC Winton-Salem WFDD \*88.5 38000 h,v, v, /
WSNC \*89.3 3000 h,v; 689 m (monophonic)
OH Cadiz WEIR-FM 106.3 2500h,v; 107 m, /
RI Middletown WOTB 100.3 82 m (3000 h,v); CP
1916 m cancelled; moving from 100.1)
TX Austin KHFI 98.1 (moving from 98.3) 211 m
(100000 h,v) (92.3) 1900 h,v; 115 m
TX Livingston KETX-FM 92.1 (back to, from/

VA Charlottesville WVTV \*88.3 200 h,v; 517 m
VA Ruckersville WKZY 92.1 1400 h,v; 147 m
PQ Montreal CIBL 101.5 (from 104.7, moving
from 104.5), "Seems the 104.7 frequency
tests cause severe interference to the air
band! Since there is no other frequency
available in the Montreal market, CIBC asked
the CRTC for permission to use a frequency
reserved to St-Jean-sur-Richelieu. The CRTC
has just approved it." To broadcast from the
Olympic Tower in Montreal this month.
Stereo, or to be Stereo
CA East Porterville KPOR 100.5, m, on air
CA Grenada KRAB 106.3, r, now on air
CA Kings Beach KBCH-FM 107.7
NH Hanniker WNNH 99.1, now on with
SC Greenville \*91.7 WTBJ-FM, 100.5, k
PA Elizabethville WLIZ 100.5, k
Mono
CA Coalinga KNGS 100.1, k, "But they've been
off the air and likely will return in stereo as a
Class B1."
OR Tri City KTRQ 104.3, "broadcasting in
mono"
See Also January VUD For:
AR Pine Bluff 94.9 calls are now KOLL,
o[ldies], with "Kool 95" nonID, Merrill, and
Station News, p. 14 ["WYFM"; Cooper, p. 17]
GA Columbus \*89.5 calls are WYFK, not /
GA Trenton the mystery 102.7 now solved, as
the station heard testing in the Chattanooga
area. Is 102.7, not 98.1, calls WBDX, and
having stereo, unknown format, Pugh, 20.
IA Fairfield calls (under "Power-96," Merrill, p.
14) KIKI, not KMCD.
MD Greenville WBEY 103.1 Country 103
nonID (from "Bay Country"), Cooper, p. 17.
MI Alpena WATZ-FM 99.3 k, k, Falconer, p. 12
MI Marshall WEL-FM 104.9 listed as, now
believed to be back to m, Falconer, p. 12
MN Collegewille \*88.9 calls are KNSR, not
"KNSR," Merrill, p. 14
MO South West city KMMQ, I list frequency as
100.3, not 103.1. If, indeed, it has moved to
103.1, write me and let us all know for sure. I
recall no word from the FCC that 103.1 has
been proposed for this station. It is \$(tereo),
k, Buntin, p. 20.
NJ Cape May WJSL (not "WCJL") 102.3, still
monophonic? Cooper, p. 17.
NJ Hazlet WCNJ \*89.3 is still 10 watts, but has
vertical, Nieniadajny, p. 13
NY Binghamton WAAL 99.1 r, still "Hot FM,"
Falconer, p. 13
NY Utica 98.7 calls changed to WLWZ (from
WNZY), m, "lame," right, Bill N? Station
News, p. 14. NY's WLTV should therefore be
m, also "lame." Or would you say m?
NC Greenville WNCFT-FM 107.9 format change
from b to r, Cooper, p. 17
NC Jacksonville WKOD 98.7 o[ldies], "Cool
98.7," Cooper, p. 17
OH Bellevue WNRN 92.1 p, "heavy metal," and
"W-92," Falconer, p. 12
OH Chillicothe WFCB 94.3 r, no nonID (no
"Stereo 94"), saying "WFCB 94 FM,"
Falconer, p. 13
OH Columbus WMMG 99.7 op, "Magic 99-7
FM," Falconer, p. 12
OH Defiance WZOM 105.9 now "106.7 Z," not
"W-106"; Falconer, p. 12
OH Lima WGTN 97.7 inspiration 97 nonID,
Falconer, p. 13
WLSR 104.9 r, k, "Live 105," Falconer, p. 12
OH Middletown WPFB-FM 105.9 all country
now, no kg? Falconer, p. 12
OH Wapakoneta WZQQ 92.1 92-Zoo nonID
(from "Zoo 92"); Falconer, p. 12
OK Choctaw \*88.3 1 list calls as K202BH, not
"K202BD," on air, Buntin, p. 20
PA Ebensburg W1YQ 99.1 o[ldies], Coniglio, p.

17 [Coniglio, p. 17]
PA Llanabedburg WKHL 95.5 o[ldies], \$, /
RI Narragansett Pier WPJB (not "WBJB") 102.7
j format, some c, but need to know if stereo
or any nonID or dual-city ID, Cooper, p. 17
TN Graysville EWBV 95.7 \$, m, parallel to
WAYA 93.9 Spring City, Pugh, p. 20
TX Lake Jackson K2FX 107.5 is at 29-17-16;
95-13-53, Merrill, p. 14
TX San Marcos KEYI-FM 103.5 is at 30-02-42;
97-52-50, so Frank Merrill (p. 14) can
paralel calls DX tances
VA Norfolk WLTY 95.7 o[ldies], Cooper, p. 17
WV Wheeling WEEL 97.3 m, from b, still "Wheel
FM," Falconer, p. 13
OH Thunder Bay CSD 94.3 back to "94 FM"
from "Hot FM," Falconer, p. 13
ON Toronto 99.1 former CKO station returns
carrier to air with tone, presumably to
protect SCM's, Coniglio, p. 17
Modification for selectivity by Bill Nieniadajny,
p. 34, looks to be a good idea, and when I get
a new supply of G-E Superoids (18 are an
order), I plan to give the mcd a try. Also, I
may try it in the GM/Delco radio that came
on our new-to-us '87 Oldsmobile.

Format Changes
Formats are the same as in the "FM Atlas"
AL Dothan WESP 102.5 r, "AC/o[ldies]"
AR Nashville KNAS 105.5 m, "Drake soft AC"
CT Hartford WLVH-FM 93.7 (all weather, until
sale of station), no TU, 67, but TE, 92.
GA Leesburg WKXK 103.7 k(ountry), \$?
GA Lyons WLYU 92.5 k, \$ [tereo]?
IN Brazil WSDM 97.7 k
IN Indianapolis WJMC 103.3 r, not m. "Now
rock-gerbage like several dozen others... Ask
your readers to consider when they buy rock
music how many drug habits they are
supporting. The fact that rock is very popular
simply means there are a lot of fools!"
IN Linton WQTY 93.5 m, "EZ/big bands."
LA New Iberia KDEA 99.1 m, "Unis. Special,
soft AC," 1003.5 k
LA Tio KISY /, "Thunder 107"
ME Lewiston WTHT 107.5 (was WBLM) /
ME Portland WBLM 102.9 (was WTHT), cp,
MI Marshall WEL-FM 104.9 m, SMN aud
standards (see "See Also," above)
MI Sandusky WTVG 97.7 b
MS Philadelphia WWSL 102.3 m
MO Marshall KMMO-FM 102.9 r
MO Owensville KLSZ 95.3 o, SMN Pure O[ldies]
MO Washington KQCE-FM 104.5 m, "standards"
NY Vestal WXXM 103.3 r, \$ [weekends]
OH Akron WAPS \*89.1 r, adding ethnic/
OR Newport KYOT 102.5 r, CHR
PA York WQXA 105.7 r, "Hot 105.7"
SC Keyes Corner WJYQ r, "AC, new age"
WV Mercer WKZG 107.1 k, \$
WI Wausau WEAU WEAU KEWZ 103.7 m,
"soft AC" (from b), "Light EZ 104"
ON Midland CFLX 88.1, Penetanguishene CFRN
101.9, Perkinsfield 89.7 mcd y dead air, but
on 40 hours week from 8 to 9 a.m., then sign
on again at 5 p.m., French, country and jazz
music. Evening shows done by volunteers,
but financing a problem. Stereo?
PQ Drummondville CJOM 92.1 m, "French soft
AC... will announce plans for their AM
station CHRD [now silent] in January."
"Encl used is my renewal check for FMedia! Keep
it coming and no mercy to sacred cow!"
"I'm going to pass on renewing FMedia! I get
more public ations than I have time to read."

Off Air, Or Not Yet On
IL Rantoul WLTM 96.1
IN Attica WBRQ 95.7
IN Bloomfield WBHQ 101.1
IN Kent and WPNI 101.7

IN Michigan City WFAJ \*89.5; "Does CP still
exist?"
NV Carson City KRWR 94.7, "KNIS is still
around, all though it was off for several days
just as the call change was announced. It's on
and off currently, as though the management
were trying to minimize expenditures until
they unload it."
NM Alamogordo KINN 105.3, still on 105.5
NM Lordsburg KXXX 97.9, still on 87.7
NY Valhalla WARY \*88.1, still on 88.5. "Pretty
dense signal for them. They have a very
erratic schedule; rarely does one hear them."
"Am looking forward to a new decade of
FMedia! and the FM Atlas."

Mistakes, FM Atlas-12
MI Port Huron WNFA \*88.3 \*missing, p. 112
WGRW \*91.9 remove \$, p. 112
NM Ruidoso KBUY-FM is 93.5, not 95.3, p. 66
BC Kamloops CHRK 97.5, not 97.3, p. 91 map
BC Kelowna CHIM (now CKLZ) 104.7, not
104.1, p. 91 map
ON Chatham CKSY 95.1 add \$, p. 129
SCS News (selected item)
DXing Physicians Radio Network now possible.
Network quit SCA after 16 years, hoping to be
on air night on selected AM stations by spring.

NonIDs, Not Just Slogans
FL Green Cove Springs WZAZ-FM 92.7 Z-93
Fever FM, still s[oul]
FL Jacksonville WAPE 95.1 still Power-95.
"they did not change format to o[ldies].
FL St. Augustine WDSO 105.5 SOS 105-5
MI Detroit WJ01 96.1 no nonID, always giving
calls with "W-Joy"
WOMC 104.3 no nonID, no "Music Now"
MN Litchfield St. Cloud KMXX 94.9 (having
moved from 95.3), "The Mix."
NC Charlotte WMXK 104.7 Mix 104.7, "WMIX,"
And "they even have a jingle, '104.7 WMIX'."
It is amazing how the FCC permits this."
TX Wynnboro KWNS 104.9 Super Country 104,
"instead of the more logical K-105"
ON London C10M 103.1 Q-103
John Abel, VP of Executive Operations, NAB,
claims the average fulltime AM station today has
a net loss of \$3973 against \$246,579 in revenues,
with AM stat on values slipping an average of
four percent annually. Richard Blackburn, a
communications broker, said "AM is viewed as
noncompetitive and not a factor in the market-
place."

One Pirate Challenges FCC, While Others
Surprisingly Operate or are Shut Down
"WTRA," a one-watt "community"
station in Springfield IL continues to
operate on an unspecified FM channel in
defiance of FCC rules. Dewayne Reades,
the community organizer in whose apart-
ment the station operates, was fined \$750
last spring and ordered off the air. The
following month, he turned the transmitter
back on and announced he would not pay
the fine. The FCC then gave him until
Oct. 31 to cough up the money and shut
down. As of mid-November, the station
was still on the air, with the Justice
Department about to begin legal proceed-
ings against it. The FCC rule that stations
have a minimum power of 100 watts is a
policy that "effectively keeps low-income
people off the air, since the cost of
setting up a 100-watt station is a prohibi-
tive \$40,000 compared with the \$600
used for WTRA." WTRA is at 420 North
14th Street, Springfield IL 62702.
"KCHZ" using the slogan, "K-Cheese,"
is on the air on 104.7 in the "San
Antonio Heights area" of Los Angeles,
and operating with a "good format" and

no commercials. Reception was in East
Los Angeles.
The FCC shut down an unlicensed
station on 90.5 in Erlanger KY. Thomas
Cason was fined \$750 "and surrendered
the equipment to the FCC. The second
station was "WJPL" 91.9 Queens NY.
"This station was an archival of the
recently-busted WHOT, and rumor has it
WHOT sold their soul to the devil, so to
speak, and finked on WJPL, hence bust
number two. The pirates have all been
quiet, except for an oddball pirate in the
Bronx that occasionally broadcasts
religious programs in Spanish on 91.9. The
FCC is using a new method of bust. They
will monitor a pirate station for a while,
then get a search and seizure warrant. A
truck pulls up in front of your house and
they present you with some paper and do
some moving of materials in their direction.
Neither WHOT nor WJPL have been
fined, jailed, or penalized in any other
way than losing their equipment."
Dynamo Radio Works With Crank Power
A small FM-AM radio with built-in
flashlight is seen as solving the problem of
communications in the Third World, where
the price of batteries can be prohibitive.
It will plug in for 12 hours to provide a
fully-charged battery that will play for 72
hours; however, the unique thing is it can
be hand-cranked with a built-in generator.
It will operate for about two hours after
about 10 minutes of cranking at 120
RPM. "The longer and faster you crank,
the longer the radio will operate." Retail
is \$44.95 in the U.S., with an AC adapter
and extra flashlight bulb. For more infor-
mation contact B-N-Genius, 22121 Crystal
Creek Blvd., S.E., Bothell WA 98021.
Another radio is in the works, which
would play from solar power. It would
play best in bright shade or near a
window in sunlight, "delivering audio of
remarkable quality to the speakers." FM
and FM-AM models are planned, at \$40-
\$50 retail. For more information contact
The Vanguard Trust, H-C-02, Box 14765,
Arcadio PR 00612.

Other Small-Print Happenings and FM Industry
News
The FCC has granted Group W per-
manent waiver of the one-to-a-market rule
to allow joint ownership of WMMR 93.3 and KYW
TV in Philadelphia.
WMBG 103.1 and AM Georgetown
KY fined \$18000 by the FCC "for failure to
comply with EEO requirements."
Noncommercial WVXU \*91.7 Cincin-
nati plans to challenge the FCC's decision
admonishing it for carrying advertising. The
station was not fined, but still the FCC felt
the violation serious enough to warrant a letter
and warning of possible more severe sanctions in the
future. One of the mentions in the letter
described Jiffy-Lube as offering a discount to
WVXU listeners, and the FCC found the word
"discount" offensive. Since then, WVXU's copy-
righters have been busy rewarding the announce-
ments to remove other words the FCC might find
offensive, including exhortations. The station
said it's lost \$12,000 since mid-November, and
this experience at WVXU has had a "chilling
effect" on public stations in other markets.
Would-b-be underwriters now "don't feel it's
worth it to underwrite programs. They don't feel
they're getting their dollars' worth." WVXU will
be asking the FCC to remove the admonishment
from the station's record.

73ily, *Some Blowing*



# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NEW YORK 14221

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

FEBRUARY 1990

DEADLINE: THE 1ST

Welcome to this decades second column. E-skip was noted well into FM by many on December 15; there was also some Es at the start of the new year. To start off this month we have two new reporters to the column, one from New Jersey and one from Ohio. Remember, everyone is welcome to report to Northern FM DX, let's hear from some more of you!!...

Welcome New Reporters!!

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

Equipment: JVC JR-S 201 receiver, Winegard CS-6065 40' AGL on rotor with Radio Shack 20 db Variable amp with Radio Shack Variable attenuator hooked in.

I've been FM and TV DXing since 1977. FM Totals are 381/29DC/2/2 from NYC metro area. 242/20DC/1/2 w/in 25 miles of current QTH (since 1987). Moved to Rockaway Township from Jersey City on Sept. 1. Former site had aerial on top of three story building overlooking Meadowlands with blockage to East (World Trade Center was four miles away). (WELCOME to Northern FM DX, Richard-gc)

### SEPTEMBER 10, 1989 GROUND WAVE/TROPO

0050 WJPL 91.9 NY Brooklyn, pirate, est. 40 miles  
0059 WMG5 92.9 PA Wilkes Barre, Magic 93  
0105 WKRZ 98.5 PA Wilkes-Barre, 98.5 KRZ  
0207 WNTX 96.3 MA Nantucket, ID with WQXR off

### SEPTEMBER 13 TROPO

2150 WQHQ 104.7 MD Ocean City, Q-105  
2159 WESM 91.3 MD Princess Anne, ID  
2159 WVLT 92.1 NJ Vineland, ID  
2202 WBAZ 101.7 NY Southold, Mets Baseball  
2233 unID 107.3 "107 FM", 60's music  
2256 WZLX 100.7 NJ Wildwood, ID  
2257 WHFM 95.3 NY Southampton, ID  
2326 WMNR 88.1 CT Monroe, classical mx, first time from Northern New Jersey

### SEPTEMBER 14 TROPO

0017 WDAS 105.3 PA Philadelphia, ID thru very local WDHA 105.5

0100 WCWP 88.1 NY Brookville, ID

### SEPTEMBER 21 TROPO

2321 WKFM 104.7 NY Fulton, 104.7 Kix FM through local WSPK, nothing else from area was in.  
2331 WDRC 102.9 CT Hartford, Oldies D-103

### SEPTEMBER 22 TROPO

0031 WVIC 96.5 CT Hartford, through WWDB  
0109 W276AQ 103.1 NJ Ft. Lee, through WGNV with WALK program, is a regular here at 37 miles.  
0121 WEAZ 101.1 PA Philadelphia, through local WCBS-FM  
0125 WHFS 107.9 MD Annapolis, thru WEBE.

(Do you mean WFSI 7-gc)

0135 WOLC 102.5 MD Princess Anne, ID  
0145 WPLR 99.1 CT New Haven, thru local WAWZ

Locals to North and West are weak. WYNY 103.5 NYC at 40 miles knocks out WNNJ 103.7 at about 12 miles. WBAB at about 70 miles can be received through local WSUS, only 12 miles away. WFMV in Blaristown, just 20 miles away, competes with WVIP Mount Kisco at 60 miles and WHTG Eatontown at about 50 miles. However, NYC locals are weak and DX may be heard under other locals once the season starts up again. Our location is at a high point in town and only has some small blockage to the Northeast in the form of a mountain two miles away. Unfortunately, we are in a high point facing to the Southeast, where the NYC xmtrs are, so even low power stuff from NYC, the Island, and Northern New Jersey Shore are strong.

STATION NEWS: Word has it WMMS 100.7 in Cleveland has given up its Top 40 slant and begun concentrating on more of an A.O.R. approach. KHYI 94.9 in Dallas is still Top 40, despite rumors of its demise. WKQX 101.1 Chicago is moving more toward a "lite Top 40" approach.

### SEPTEMBER 22, 1989 TROPO continued

0158 WBSS 97.3 NJ Millville, Disco, Boss 97  
0209 WPEL 96.5 PA Monroeville, religious ID  
OCTOBER 20 TROPO/GROUNDWAVE  
1749 WFFM 89.1 NJ Trenton, thru WFDU/WNYU  
1806 WUSB 90.1 NY Stony Brook, Pacifica News, new from Northern New Jersey

2202 WVIA 89.9 PA Scranton, rock, ID through WKCR

### OCTOBER 24 TROPO

0050 WIHS 104.9 CT Middletown, religious, ID  
0100 WKPE 104.7 MD Orleans, Cape 104  
0120 WBJC 91.5 MD Baltimore, classical, ID, in solid  
0124 WEGB 89.7 NY Kingston, now a regular  
0140 unID 100.9 soft rock, likely WTYD New London, CT

### OCTOBER 26 TROPO

0916 unID 105.7 "Hot 105.7" likely York, PA  
0940 WQEG 103.1 PA Freeland, ad for Newspaper in Hazleton

1000 WPKT 90.5 CT Middlefield, Conn. Pub. Radio

### OCTOBER 27 TROPO

0043 WLAN 96.9 PA Lancaster, heavy metal, FM 97 under local WQHT 97.1

0106 WNCB 101.3 PA Lancaster, ID

### NOVEMBER 12 TROPO

2331 WESS 90.3 PA Stroudsburg, ID

### DECEMBER 6 TROPO

2251 WELV 99.3 NY Ellenville, Muzak with ID

### DECEMBER 7 TROPO

1129 WSHR 91.9 NY Lake Ronkonoma, first time from Northern NJ with local WNTI 91.9 off the air.

## NORTHERN FM DX

GEORGE C. GREENE - 1527 SUNSET AVENUE - AKRON, OHIO 44301

Equipment: McIntosh MR-78, CM Stereo Probe 9 w/rotor at 35'



### DECEMBER 15, 1989 E-SKIP

1605 unID 703.7 Marco or some one in the Port Charlotte area; numerous commercials in the area.  
1614 WKZY 92.1 FL LaBelle, "Cozy Country" music  
1620 WLVE 93.9 FL Miami Beach, adult contemporary music, Love 94 slogan.  
1621 WRXX 96.1 FL Bonita Springs, first time heard on this frequency, album rock.  
1625 WDXI? 105.5 FL Naples Park, is this the adcon using Class 1057 Spot for Jetson Rents  
1626 WCMQ 92.3 FL Hialeah, various Span. ad.con stuff  
1630 WRMF 97.9 FL W.Palm Beach, w/adcon, traffic, etc.  
1632 WHEW 101.9 FL Fort Myers, country music, spot for furniture store  
1635 WINK 96.9 FL Fort Myers, CHR, song #13 on the Home

### DECEMBER 15, 1989 E-skip cont.

1640 WORJ 107.7 FL Mt. Dora, traffic report, adcon music (No doubt it was them but calls are now WJYO-gc)  
1643 WEAT 104.3 FL W. Palm Beach, 1st time on new frequency, w/ EZ music  
1640 WHVE 102.5 FL Sarasota, mellow rock / new age music  
1647 WFLZ 93.3 FL Tampa, "Power 93", Newport Beach Club Ad, CHR music.  
1651 WJOY 106.7 FL Ft. Lauderdale, soft adcon music, traffic report, spot for County Line Lexus.  
1700 WMPQ 92.9 FL Ocala, EZ-type music  
1702 WHQT 105.1 FL Coral Gables, possibly them with black and urban music.

Nice to see a good, though somewhat short, E-skip session this month as I was in the UK during the big ones during early July, hi. Local weather during this opening was a heavy downpour of snow.

(WELCOME TO NORTHERN FM DX, GEORGE-gc)

### BOB ZENT - 1835 FRUIT STREET - HUNTINGTON, INDIANA 46750

Figure it's about time to send another DX report since I haven't done so for awhile. 1989 has been a very hectic year for me and I've had little time to DX. Doesn't look as though it's gonna be possible to devote as much time to my hobby as I had in the past. Anyhow, here is a brief summary of what I found on FM last summer and fall.

### JULY 31, 1989 E-SKIP

1207 KNTU 88.1 TX Denton 850

### AUGUST 3 TROPO

0005 WNWZ 102.5 WI Madison 240  
0006 WDEZ 101.9 WI Wausau 340  
0058 WLJY 106.5 WI Marshfield 335  
0100 WYCO 107.9 WI Wausau 340  
0201 WMTQ 107.5 MI Ishpeming 390  
0205 WGFM 105.1 MI Cheboygan 330

### AUGUST 3 E-SKIP

1254 KMYR 93.9 TX Chorus Christi 1175  
1301 KDEA 99.1 LA New Iberia 850  
1305 KYKZ 96.1 LA Lake Charles 860  
1340 KTXT 88.1 TX Lubbock 1030  
1346 KZOR 94.1 NM Hobbs 1135  
1353 KTZA 92.9 NM Artesia 1200

### AUGUST 18 E-SKIP

1045 WCVU 94.5 FL Naples 1060  
1054 WLPJ 91.5 FL New Port Richie 920  
1059 WSOR 90.9 FL Naples 1060

### AUGUST 19 GROUND WAVE

1300 WCJC 99.3 IN Van Buren 17  
(new on the air)

### AUGUST 30 TROPO / G.W.

0057 WMC1 101.3 IL Mattoon 180  
(new on air)  
0100 WZOM 105.9 OH Defiance 55  
(new on air)

### AUGUST 31 TROPO

0000 WSTQ 97.7 IL Streator 180  
0200 WBNH 88.5 IL Pekin 225  
(new on air)

### SEPTEMBER 5 TROPO

0959 WWKZ 103.5 MS New Albany 490  
1000 WVVY 105.1 TN Waverly 360  
1001 WDRM 102.1 AL Decatur 450

### SEPTEMBER 10 GROUND WAVE

2259 WKSD 99.7 ON Paulding 40  
(new on air)

### OCTOBER 6 TROPO

0007 WRED 95.7 OH Gibsonburg 100  
(new on air)

### NOVEMBER 19 GROUND WAVE

2247 WHZR 103.7 IN Royal Center 50  
(new on air)

Best Wishes, Bob

### JOHN EBELING - 9209 VINCENT AVENUE - BLOOMINGTON, MINNESOTA 55431

As a final wrap for the year on 1989, would like to update the end of the year regarding my DXing... While reviewing my summer DX tapes prior to providing Bill Nienajady a copy of an unID on 105.9 (which he and another DXer were able to ID as WNWK-NJ after hearing it), I ran across a weak ID for my July 4th unID on 107.9 as WVPS in Burlington, Vermont. Luckily I took the time to go through all of the tapes, as I really didn't know what I had on them (I hate listening to "stale" DX tapes!). VT gives me my 48th state from Prosit, MN (Congratulations!-gc), so the two stations are added to my Prosit log. Also at the home base of Bloomington, I did some Geminid meteor shower DXing (via automation) the early morning hours of December 13, using only a vertical antenna. Lots of short bursts all night long, but ID's were scarce. Did manage to catch WKZL107.5 Winston-Salem, NC @ 0147; WMIW 107.5 Jackson MS.....

JOHN EBELING'S YEAR END WRAP-UP continues...

....@0416 (Magic 107 FM and calls), and KSJT 107.5 San Angelo TX @ 0444 via MB. Other new loggings in Bloomington are 94.9 KMKX Litchfield/StCloud MN (ex 95.3) on Nov 18, 105.9 KWNG Red Wing, MN (ex 105.5) on Nov 21, 96.1 KQPR Austin/Albert Lea MN on Dec 13. I have not spent much time at the dials the past few months. Reflecting back on my FM DX, 1989 was not a particularly good year up in this area as far as I am concerned. Each year it becomes more difficult to get IDs due to the crowded condition of the band. It won't be long and it will rival the congestion of the AM band. I first started FM and TV DXing in 1948 in Duluth (same city as Bruce Elving, but we were not acquainted then). Those early years, when an Es opening was in progress, one could expect a station to remain rather constant (sometimes for over an hour), not being constantly overridden by other stations as is the case today. It is my belief, based on over 40 years, that the 50s and 60s were the most rewarding years of the hobby. Back then, to me anyhow, the music one encountered was enjoyable and I could enjoy listening while waiting for the elusive ID. Today, there is so much abrasive "music??" on the air I quite often find it tiresome to DX and be subjected to so much garbage while waiting for an ID. One man's opinion! So much for the soap box. Will end for now and will update as time and conditions permit. Have a happy holiday season.



Regards

*John*

John Ebeling

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNETICUT 06082

Equipment: Carver TX 11 with Probe 9 at 30 feet. New are underlined

SEPTEMBER 13 TROPO

1947 WQEZ 100.9 PA Milton, Easy 101  
2016 WGCW 96.1 PA Red Lion, g

SEPTEMBER 17 TROPO

1345 WCVN 100.9 VT Middlebury, FM-101, k

SEPTEMBER 20 TROPO

1927 unID 103.3 Defenitely Canada w/antenna pointed due North, WODS nulled, FF w/girl DJ and rock (Rolling Stones, etc.)

OCTOBER 23 TROPO

2000 Coastal tropo w/Norfolk and WSFL 106.5 in all evening

OCTOBER 24 TROPO

0625 WZYC 103.3 NC Newport, Z-103 and local spots. No sign of WPRB.

0636 WSEM 107.5 NC Southport, Surf 107, taped them for 15 minutes.

0700 WMEQ 97.3 NC Wilmington, ID and CBS news on hour

Comments: WKZL 107.5 was originally heard by ES in 1975 using the calls WSGH. The only other stations heard by both Tr and Es are KKYK 103.7 and KLAZ 98.5 (now KZOU) Little Rock. Hope everyone's holidays were happy.

BILL NIENAJADLY - 98 HIGHLAND AVE. - CLIFTON, NEW JERSEY 07011

Equipment: Same as before.

NOVEMBER 14 TROPO

0920 WYMX 106.5 VA Richmond, Oldies 106, ads 297  
1015 Had to leave-conditions weakening

1248 Conditions gone! What am I dense? I forgot to check UHF!!!! #&^\$\*!!!!

1836 WNNN 101.7 NJ Canton, confirmed by Joe Fela Thanks! 105

NOVEMBER 16 TROPO-SCATTER

0700 WSEN 92.1 NY Baldwinsville, ID, finally! 205  
0709 WCNY 91.3 NY Syracuse, ID, ph# 451-WCNY, wx 201

NOVEMBER 19 TROPO-SCATTER

2003 WNNK 104.1 PA Harrisburg, Wink 104 o/WAEB! 150

NOVEMBER 20

At 0230 locals 89.5 WSOU, 89.9 WKCR, 93.9 WNYC, 96.3 WQXR, 101.9 WQCD all off!! WAVT 101.9 Pottsville, PA relog and CFMK 96.3 Kingston, Ont.

NOVEMBER 27 METEOR SCATTER

many bursts, some up to 5 seconds long!

NOVEMBER 30 E-SKIP 1740-1810 MUF to Channel 5

DECEMBER 12 METEOR BURST

0652 WVLK 92.9 KY Lexington, "...Blue Cross and Blue Shield of Kentucky" 580

NOVEMBER 4 E-SKIP

1125 Brief Es into FM with a GA station on 92.1. Other unID

heard on 94.1, 92.9

NOVEMBER 14 TROPO

0650 WTVR 98.1 VA Richmond, FM 98

0653 WAKG 103.3 VA Danville, k

0655 WQSR 107.7 MD Catonsville (105.7?-gc)

0715 WWMX 106.5 MS Baltimore

0715 WVVL 88.3 VA Lynchburg, g

0733 WKZL 107.5 NC Winston-Salem, news

0735 WGM5 103.5 DC Washington

0736 WAAI 100.9 MD Hurlock, k

1734 WYCL 107.5 PA Reading

DECEMBER 14 TROPO

1710 WJUR 102.7 RI Narragansett, Bright 102.7

DECEMBER 13 M.S.

0704 WAPW 99.7 GA Atlanta, "Power sports and Here's Cash with traffic, thanks Vicky..."

2038 WHTK 99.7 SC Port Royal, "2 locations..or if you live in Beaufort or just passing by..."

Note:Beaufort is 5 miles from Port Royal!! 663

DECEMBER 14 E-SKIP

1830 KDCC 88.5 IA Sioux Center, ID 1142

DECEMBER 15 E-SKIP

1706 WMCU 89.7 FL Miami, ID 1085

1709 WPOW 96.5 FL Miami, Power 96 1085

1710 WGTN 97.3 FL Miami, ID 1085

1717 WKIS 99.9 FL Boca Raton, Kiss, Country mx 1075

1721 WAFG 90.3 FL Ft. Lauderdale, many local 1080

DECEMBER 15 TROPO-SCATTER

1758 WCTX 92.1 PA Palmyra, ID, X-92 128

1801 WPFW 89.3 DC Washington, ID 207

2323 WAER 88.3 NY Syracuse, FM 88 and weather for Syracuse, WBGO off the air 202

DECEMBER 17 TROPO-SCATTER

0202 WXPX 88.9 PA Philadelphia, WSIA off 82

1040 WYFI 99.7 VA Norfolk, in for 15 minutes! 307

BILL NIENAJADLY'S REPORT - continued

DECEMBER 17 METEOR SCATTER

1123 WHTK 99.7 SC Port Royal, "...A winter storm watch is in effect for all of South Carolina..." again!!! 663

DECEMBER 18 METEOR SCATTER

2214 WQZZ 99.7 WI Sturgeon Bay, "WQZZ" perfect timing 749

DECEMBER 22 TROPO-SCATTER

1647 WRDV 89.3 PA Westminster, Buck county's finest FM 70

DECEMBER 24 TROPO SCATTER

0710 WRCK 107.3 NY Utica/Rome 180

0713 WDBA 107.3 PA DuBois, farthest PA to date 248

DECEMBER 26 GW/TROPO

0200 WWPT 90.3 CT Westport, ID 50

It sure looks like December was an all around DX filled month! Santa came early. A real surprise to have 2 days of E-skip on FM in a row! And December isn't over yet (it is now, hi-gc). **FILTER MODIFICATION UPDATE:** A recent test done in Clark, New Jersey with the Onkyo T-909 MK2 vs. Bob Smolarek's now modified Carver TX 11-A revealed that the filter modified tuners were in all respect just about as selective as the 2 Onkyo tuners! In fact all 4 tuner passed the sandwich test with no problem. Target station WELV 99.3 (class A at 70-80 miles) received on all 4 tuners despite 2 strong locals WAWZ 99.1 and WBAI 99.5 close by!! A Dixer in Connecticut modified his 2 tuners with super results reported..So much in fact that he said he gets scatter from 200 miles in full quieting...ON THE ADJACENT OF STRONG LOCALS!!! Astounding to say the least! The filters are now \$1.67 apiece or \$13.38 for 10.

Good DXing to all. BILL

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

Equipment: Same as before. I now have a Stereo Probe 9 but the weather has not been good enough to put it up yet.

DECEMBER 14 E-SKIP

1600 WRKF 89.3 LA Baton Rouge, cS

1602 WJIS 88.1 FL Bradenton, calls

1611 W7 92.5 FL Safety Harbor, U-92, oldies

was WXCR and classical.

1613 WFLZ 93.3 FL Tampa, CHR5 switch from oldies

1625 WMMK 92.1 FL Destin, local ads

1626 WQBA 107.5 FL Miami, Spanish language

1628 WZTA 94.9 FL Miami Beach, Zeta 4, classic rock

1634 WHGS 90.3 FL Haines City, local ments, weak!

DECEMBER 14 TROPO-SCATTER

1941 WKHL 95.5 PA Salladsburg, classic rock,

statement on local snow emergency.

1400 WJEM 93.7 MI Grand Rapids, local WBLK off

the air. Classic hits, calls, far TrS at about 360 miles



1717 GERVAIS STREET  
P.O. DRAWER 50568  
COLUMBIA, SOUTH CAROLINA 29250

DECEMBER 18-21 LOCAL WNEB 94.5 OFF AIR

94.3 loggings:  
WLVY 94.3 NY Elmira

WEOZ 94.3 PA Seagertown

WKBI 94.3 PA St.Marys

94.5 loggings:  
relogs-WYYY, WOSE, WCEN (strong signal), WDAC, WCHR

and WWSW, also WKLG 94.5 MI Holland, could be my

farthest Troposcatter ever depending on tower location.

(around 380 miles)

On 94.7 all relogs, WDSO, WSNY (strong signal), WFME,

WCSX, and tentative WLTT.

JANUARY 1, 1990 TROPO-SCATTER

1730 WXCX 103.7 MD Havre de Grace, tuned in to calls! k

92 PRO-FM

WNEB was off the air apparently because of a failure with their coax, and it took 3 days to order more! I am really looking forward to putting up that Stereo Probe 9, that added gain will help with the weaker stuff. I am also seriously considering making the filter modification discussed by Bill Nienajadly (See his report, and his special report last month for more details). I have heard nothing but good about these, and the price is right! Hopefully they can improve the selectivity on my aging Pioneer TX-9100. Well, here's a "DXReview of 1989": As John Ebeling comments, the FM band is filling up quick. In 1989 I lost 3 good frequencies to new locals: 89.1, 89.9, and 96.5. Two other station, 94.5 and 95.7, also stopped signing off at midnight, going 24 hours. It is getting frustrating indeed. The year started out with little trop, but March was highlighted by a great Aurora and some E-skip on the 13th. May and June were light for Trop, and skip, but the first week of July exploded in to the best E-skip week I have ever seen (July 4th was the highlight for many). All in all, July was much better than June for Es, the opposite of last year. August was above average for me for skip as well, and for tropo. With Matt Sittel here visiting August 2nd will go down in history with 500+ tropo to Wisc in the morning, and E-skip to Texas in the afternoon!! September saw my farthest tropo logging ever with KVMU 90.7 St.Louis heard (about 680 miles). Since then things have really slowed down, and I have less DXing time. Anyway, thanks to all who reported in 1989, and keep up the good work!!

73 Greg

# PHOTO NEWS

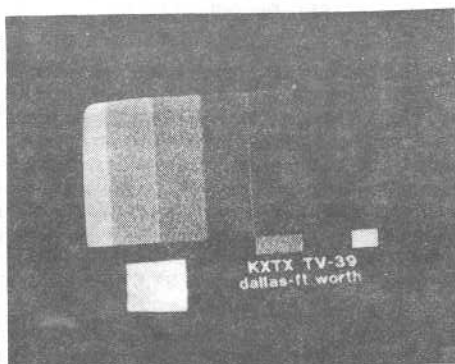
FEBRUARY 1990 page 1

Mailing Address:  
PHOTO-NEWS - P. O. Box 155 - Clarence, NY  
14031-0155 U.S.A.  
Photos submitted to PHOTO-NEWS become  
the property of this column and will not  
be returned.  
EDITED BY  
David J. Nleman

In this installment we put the wraps on fotos sent us by Jeff Kadet - Macomb Illinois. For equipment, see page 18 of Januarys VUD.



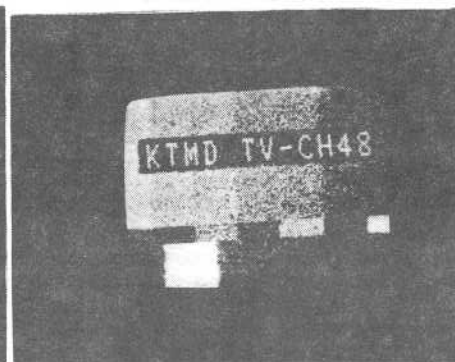
KLTJ-22  
Galveston, Texas  
820 mile tropo  
seen Sept. 20, 1989  
at 0400 CDTime



KXTX-39  
Dallas-Ft. Worth, TX  
645 mile tropo  
seen Sept. 20, 1989  
at 0525 CDTime



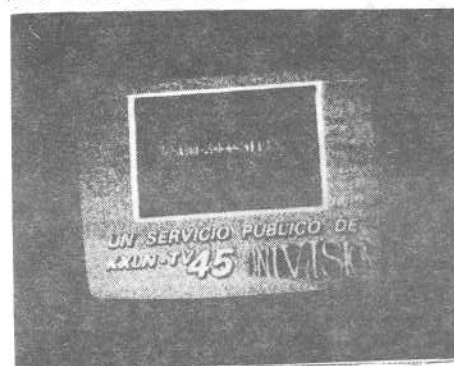
KWKT-44  
Waco, Texas  
731 mile tropo  
seen Sept. 20, 1989  
at 0545 CDTime



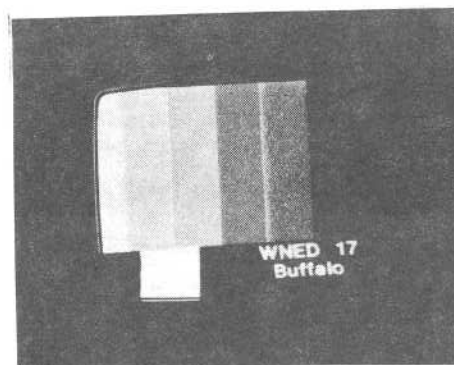
KTMD-48  
Galveston, Texas  
820 mile tropo  
seen Sept. 20, 1989  
at 0630 CDTime

## PHOTO-NEWS February 1990 page 2

Thanks to Jeff for sharing that great DX opening with us. Next time we'll have fotos from Jerry Beaudin-Curtis, MI.



KXLN-45  
Rosenburg, Texas  
825 mile tropo  
seen Sept. 20, 1989



WNED-17  
Buffalo, New York  
620 mile tropo  
seen Sept. 28, 1989  
at 0435 CDTime

WNPB-24  
Morgantown, WV  
579 mile tropo  
seen Sept. 29, 1989  
at 0227 CDTime



KHTV-39  
Houston, Texas  
799 mile tropo  
seen Sept. 20, 1989



KSHH-67  
Alvin, Texas  
799 mile tropo  
seen Sept. 20, 1989





# SOUTHERN FM DX

February 1990

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

DEADLINE: 10th

## AT LEAST AL & GA NOT SILENT DURING THIS OTHERWISE DEAD OFF SEASON

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equip.: McIntosh MR078, S Probe 9

11/26 tr	1751 WKTK 103.1 KY Georgetown, "Cat 103" ID	12/11 tr	0016 WORM 101.7 TN Savannah, k, "The Worm"
11/27 tr	"103 KRA"	0023 WTNT 94.9 FL Tallahassee	
1951 WKRA 103.1 KY St. Matthews, ads		1156 WGGK 101.9 GA Cleveland, r, ID	
11/28 tr		1254 WKXK 97.9 GA Fort Valley, "star 98", (first full broadcast day)	
1923 WGRK 103.1 KY Greensburg, "Kick Country"		12/13 ms	
1931 WAIN 93.5 KY Columbia, ID		2056 KANZ 91.1 KS Dodge City, city ref.	
11/29 tr		2100 WFME 94.7 NJ Newark, ID	
1346 WAGC 90.7 GA Augusta, ID		2153 unID 97.3 "GHRK" where?	
1402 WKXC 99.5 SC Aiken, "Kix 99"		23??+unID 95.3 "52° from (Z or C?) HML" during cold wave thru most of U.S. Could this be a Bermuda station? Sounded rm or k.	
1421 WRDW 96.7 GA Wrens, s, ID		12/14 ms	
11/30 ms		03??+unID 95.3 Larry King Show	
0044 WMEG 97.3 IN Ft. Wayne, promo		06??+WFJY 95.3 FL Ft. Myers, lc. ad	
1641 CJEZ 97.3 ON Toronto, ID, prev. Es		06??+WRKX 95.3 IL Ottawa, "RKX" Es	
12/2 ms		1943 KRVN 93.1 NE Lexington, ID	
0100 KLTE 101.9 OK Ok City, ID		1947 KKYA 93.1 SD Yankton, "KK-93"	
12/5 ms		2040 KIL0 93.9 CO Co Springs, "Kee-low 94" trs (semi lcl WSKZ off)	
00??+WGBR 92.7 IL Arlington Heights, ID		2149 WKBQ 106.5 IL Granite City, "Q-106.5"	
12/10 tr		2216 WRTBt106.5 IN Washington, "B-106"	
1025 WZEW 92.1 AL Fairhope, wx, "92 Zoo"		2220 WSLM 98.9 IN Salem, ID	
1210 WNFJ 99.9 FL Palatka, "I-100"		12/15 ms	
1302 WIOI 100.7 GA Brunswick, ID, "W-101"		00??+WAGX 95.7 NY Manlius, "95-X", area ad	
1307 WFV 104.5 FL Atl. Beach, "Rock 105"		00??+unID 95.7 "7 in Northport..."	
1719 WHJX 101.5 GA Brunswick, rs, "Hot 101.5"		05??+WRBD 95.7 OH Gibsonburg, "WRED" Es	
1802 WQFW 95.7 GA Valdosta, ID		1441 WHYC 88.5 NC Swan Quarter, ID	
1826 WMMZ 93.7 FL Ocala, "Z-93.7"		1453 WKRA 92.1 NC Belhaven, Plymouth or Wash.? k, \$, new to air	
1900 WJWJ 89.9 SC Beaufort, ID		1802 unID 88.3 mono, from s.e. in SS	
1916 WQHL 98.1 FL Live Oak, "QHL" Dolphins f/ball			
1930 WHTK 99.7 SC Port Royal, ads, ID			
2200 WYKZ 98.7 SC Beaufort, ID			

Trop was fairly good on 12/10 most all day. Logged some stations I've tried for many times before, WQFW, WQHL and WYKZ. The Geminid shower was below average, considering amount of time recording. Rare short skip on 12/15 to around 570 miles and first Es to NC on FM. My record short skip is WAUR 107.9 Aurora, IL at 515 mi. on May 10, 1986. And, yes, I did hear Cuba on 6/18. Santa Clara is on 93.5. Thanks to a WTFDA member for the info. Cuban station info: 90.3 Habana (Radio Progreso) //640kHz, 91.9 or 92.1 Habana (R. Rebelde) //600kHz, 93.5 Santa Clara, 95.1 Habana (FM Latina), 98.7 Habana (CMCA, R. Ciudad De La Habana) //820, 99.3 Santiago De Cuba (R. Siboney), 102.9 La Habana (R. Metropolitan) (Metro)

John Jefferson, 4104 Spyglass Ct., Antioch, CA 94509-6051

Well, barring an ms logging off of one of 6 tapes pending review, this should finalize the 80's. Much to be grateful for this year. Never thought I'd beat my 91 loggings in '77, but '89 produced 101! It won't likely happen again, as it was the combination of a good skip season made better by the move from Pleasanton & various trop catches due to the move. Whether Antioch is better for skip than Pleasanton isn't clear, but it does open up some channels that were nearly unusable, which is good in the short term. And the trop possibilities are considerably greater, with the California central coast being the only area that's definitely harder to get (and note 3 of the 1st 4 entries below!).

Does anyone out there know how to acquire an FM-cut dish?

(Very interesting, I've never heard of dishes being used for FM antennas. What next? DB)

CONT...

SOUTHERN FM DX

Jefferson, cont.

FEBRUARY 1990

I'd like to upgrade my aux tuner with a dish in the yard (no room on the roof, & the extra height may not be desirable for what I want to do), which I'm hoping would allow access to some signals which are swamped on the S/Probe-9. Also would like to be able to get KKHI-FM better for listening between dx events. KXPR Sacramento goes off classical at 5pm weekends, creating a definite void. Also, KXPR has a habit of fading during the Met broadcasts; maybe a dish would solve that, & if not KKHI also does the Met. KKHI is currently good only under dead-band conditions: during normal conditions, KALF Red Bluff & KYNO Fresno create a nasty cochannel hiss, while strong tropes can almost obliterate KKHI.

As usual, everything was done with the newer MR80 & the S/Probe-9 unless marked with a # to denote aux MR80 with Winegard antenna (in garage). Underlined are new, dashed underline is new mode, & @ is new to Antioch.

TIME CALLS	FREQ	ST	CITY	DIST	REMARKS
9/10/89 IR					
2201 KZ0Z	93.3	CA	San Luis Obispo	180	ID o/ KYA
9/12/89 SL					
2256 KEZLE	96.7	CA	Fowler	135	Calls; KVFX off legal ID 2305
9/14/89 MS					
0110 unid	94.7	??			K-Rock 94.7
9/16/89 IR					
1206 KSLY@	96.1	CA	SLD		Calls; KCTC off
1329 KLZZ	101.3	CA	Los Osos	180	Class FM; KIOI off.
9/19/89 MS					
0507 CKUA13	91.3	AT	Drumheller	1055	Banff, wx
9/20/89 IR					
1832 KAG0@	99.5	OR	Klamath Falls	290	Calls; KNTI off
9/25/89 SL					
0029-K212AR	90.4	CA	Laurel		62 KEAR calls; off ch condition allowed logging thru KDVS
10/12/89 @W					
2222 KZYX	90.7	CA	Philo	110	ID; new
10/17/89 IR					
2321 KRQK	100.3	CA	Lompoc	235	Calls; KBAY off
10/18/89 MS					
0330 KWID	100.3	WA	Moses Lake	620	Calls
1300 KZDX?	100.3	??			Calls
11/10/89 SL					
1959 K219BK	91.7	CA	Stockton	28	KUOP ID
11/21/89 MS					
0226 KLTO	94.7	TX	El Paso	980	Calls
12/10/89 IR					
0125 K224CA	92.7	NV	Stateline	120	//KQPT; ads
12/11/89 MS					
0802 KFFM#	107.3	WA	Yakima	620	K Double FM
12/12/89 MS					
0321 CIGN	103.9	AT	Edmonton	1155	Kissin'
2300 KZZZ	94.7	AZ	Kingman	485	K Triple Z
12/14/89 MS					
0755 KOST@#	103.5	CA	Los Angeles	330	CA's Coast
0832 XHEM#	103.5	CH	Cd. Juarez	970	20kw... Juarez

KRQK & KWID were presents from the Loma Prieta quake. KBAY is atop Loma Prieta, & was shaken off for nearly a day. I'm going to be cautious about wishing for future KBAY outages! A DX-rich new decade to all!

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. Report today!



# STATISTICS

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

UPDATED 1/ 7/90 FM SCOREBOARD

DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	QF1
DYER	PAT TX SAN ANTONIO	2219	364	1811	49	0	44+	3	21	5	74	70	12/31/88	
BUNTIN	DANNY OK STILLWATER	1781	283	1069	4	0	48+	5	9	2	65	74	08/02/88	
STROBEL	RALPH IN MUNCIE	1725	477	492	124	6	43+	7	2	0	53	72	01/01/90	
ELVING	BRUCE MN DULUTH	1662	289	1322	9	8	45+	3	1	0	50	48	12/07/89	
EBELING	JOHN MN BLOOMINGTON	1580	265	913	44	82	47+	5	5	0	58	52	01/01/89	
NORDQUIST	FRED NY CLAY	1469	287	715	40	58	41+	5	0	2	49	69	01/07/90	
FELA	JOSEPH NJ S. PLAINFIELD	1463	306	778	2	9	37+	6	0	3	47	68	08/18/89	
BUGAJ	MIKE CT ENFIELD	1423	198	748	15	23	37+	3	0	1	42	74	04/03/89	
PUGH	KEITH AL NEW HOPE	1321	213	682	29	3	43+	7	9	2	62	63	08/04/89	
NIEMAN	DAVID NY AKRON	1320	359	403	47	23	43+	8	0	3	55	59	12/11/89	
SEYBOLD	BOB NY DUNKIRK	1114	175	543	0	0	41	6	3	0	50	50	07/22/87	
MCCORMACK	FRED ND DES LACS	1110	145	803	26	87	44+	6	4	0	55	65	04/09/88	
MCCORMACK	FRED ND FARGO	1099	199	759	3	52	47+	6	3	0	57	74	04/09/88	
JEFFERSON	JOHN CA ANTIPOCH	1058	229	620	150	0	29	4	5	0	38	57	07/26/89	
HOWINGTON	CARLON FL ST PETERSBURG	1002				39+				13		87	12/01/89	
EBELING	JOHN MN PROSIT	988	179	650	3	5	47+	8	2	0	58	75	01/01/89	
COMIGLIO	GREG NY WILLIAMSVILLE	974	181	506	6	9	36+	8	0	2	47	85	01/03/90	
HOLBROOK	HANK ND CHEVY CHASE	859	220	232	18	0	35+	6	0	3	45	59	12/06/89	
SHOLAREK	BOB NJ OLDWICK	818	138	344	0	0	36+	3	0	1	41	78	09/12/89	
MICHALEK	ALAN MA SPRINGFIELD	747	100	452	0	0	36+	5	0	0	42	52	04/03/89	
STEINBERGER	RICHARD MA HUDSON	703	147	323	12	6	35+	4	0	0	40	58	10/28/89	
NOLLMAN	BILL CT NORWICH	686	83	294	20	0	35+	5	0	0	41	81	11/04/88	
ROSS	ROBERT OH LONDON	578	160	230	0	0	32	6	0	2	40	76	08/06/89	
KRETSCHNER	BILL NY N. SYRACUSE	564	97	128	1	1	35+	3	0	1	40	74	09/07/89	
SITTELL	MATT TN KINGSPORT	552	75	382	1	0	31	4	3	2	40	85	12/31/87	
ODELL	DAVID AR LITTLE ROCK	496	61	170	3	0	41+	4	5	1	52	80	05/14/87	
ALLEN	DOUGLAS CO WOODLAND PARK	446	76	332	19	0	37	3	1	0	41	88	09/15/89	
HEADE	LARRY IL CHICAGO	437	80	63	5	0	22	2	0	0	24	79	11/26/89	
HOGAN	MIKE IL BURNHAM	326	72	40	0	0	26	1	0	0	27	76	05/01/87	
NIEMAJADLY	BILL NJ CLIFTON	305	64	68	2	0	26+	2	0	0	29	75	11/13/89	
SCHWEITZER	BOB NJ E. BRUNSWICK	266	78	7	0	0	11+	0	0	0	12	77	04/01/88	
HEPBURN	WILLIAM OH MISSISSAUGA	237	85	54	1	0	24+	1	0	1	27	79	02/12/89	
HANCUSO	GUS ND CHEVERLY	216	32	20	0	0	16+	0	0	0	17	70	08/04/89	
WHEELER	FRANK PA ERIE	160	23	1	0	0	8	1	0	0	9	64	03/13/89	
STRICKERT	HANK IL CHICAGO	153	38	8	0	0	5	2	0	0	7	79	10/17/89	
SCHWEITZER	BOB NJ OLD BRIDGE	146	41	0	0	0	9+	0	0	0	10	82	04/01/88	
SORENSEN	MORRIS OH HILTON	136	27	24	0	0	16	1	0	0	17	83	08/29/89	
SORENSEN	MORRIS OH PORT CARLING	131	20	21	0	1	15	2	0	0	17	71	08/29/89	
REMFREW	JIM NY ROCHESTER	126	25	1	0	0	3	2	0	0	5	76	08/10/89	
GRANT	ROBERT MI DETROIT	106	20	21	0	0	12	1	0	0	13	71	07/01/87	
HEPBURN	WILLIAM NT CORAL HARBOUR	58	5	57	0	0	5	8	0	0	13	84	02/12/89	

VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Auroras. USA = Total number of states and the "W" = Washington, DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: The cutoff date was 1987 for updates. Please update/submit your latest stats to stay on the FM Scoreboard. 73-Fred

# WESTERN TV-DX

February 1990

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

Deadline: 03-08-90  
Cut-off: 12-01-89

December was fairly good for E skip with all reporters except yours truly catching at least one opening. The December E skip dates were 3, 5, 13-16, 24-25, 27, and 29-30. Mike Cherry continued to catch some F2 in December, but Jeff Kadet advises that F2 video died after November 26th.

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

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

PST

### Equipment:

Hitachi 5" black & white AC/DC (vintage 1980), Kenwood RZ-1 receiver, Sony Beta Hi-Fi MTS VCR, channel 6 trap (xtal). Realistic PRO-2021 scanner with 6 meter (50 MHz) vertical dipole (through 12/31/89) VHF - Lindsay GA-10FM 10 element wide-spaced FM yagi on Alliance U-110 rotator at 57' asi/agl. UHF - Radio Shack 4-bay with 15-1108 mast-mount adjustable gain VHF/UHF preamp at 45'.

November 1989									
5 tr 1851	unid channel 61	15 tr 0820	KEPR 19 WA	23 F2 1532	unid 46.15/51.75				
10 tr 2246	K3680 36 WA	15,16,17 ms	(Over CBUT35-19) many unid pings	24 F2 1447	unid 51.76 MHz A				
	(Deming KOMO- 4)		on VHF-LO	25 tr 0926	unid ch 58 130°				
	(Snow free)	22 F2 1030	unid ch 3 se	29 tr 1338	KEPR 19 WA				
14 F2 1124	unid chs 2, 3		(Spanish)	1345-1440	unid43,68,51				
1129	TGV 3 Guatemala	1209	unid ch 3 ese	1347	KTNW 31 WA				
	( See Note # 1 )		(No Pacific)	1353	KMTRt 16 OR				
1407	50.75 MHz Audio	23 F2 1517	unid 64.25 MHz V	1412	KTVZ 21 OR				
	(TVNZ-1 tent)		(Australia ch 2)	1416	CCI on ch 22				
1414	unid 51.76 MHz V	1524	unid 62.24 MHz V	1420	KUTF 32 OR				
	(Australia ch0+)		(New Zea. ch 3?)	30 tr 0756	K3680 36 WA				

Note # 1 - Antenna pointed 140° - logging at 1124 was in Spanish. At 1129 heard an ad mention Guatemala City and was barely able to distinguish "T G..." and then the video faded in weakly with no sign of a visual ID. Logging assumed.

Note # 2 - CBUT35-19 and CBUT36-31 off air this day. Interesting and strange tropo down to Oregon. I finally bagged KMTR-16, I think. Programming wasn't parallel to local NBC, KING-5 or KTVZ-21, but antenna was pointed at central Oregon. Audio was distinguishable in NBFM position for short spurts enough to check against KING/KTVZ. No video, but a few faint bars. I wasn't able to determine offset. (I show offset for KMTR as plus. fm) CCI on channel 22 was first time I've seen this under local KTZZ-22, but could have been new assignment in Klamath Falls perhaps. Channels 43, 68, and 51 - weak audio only with faint video lines.

### Tropo Scatter Report (November) (Date / Times of day / Bands affected)

Local Enhancement (0-200 miles): 10/PM/U; 15/AM/V-HI,U; 19/AM/ALL; 20/PM/FM,V-HI; 27/ALL DAY/FM; 29/AM/FM,V-HI,U; 30/ALL DAY/U

Regional Enhancement (200+ mi.): 03/PM/U; 04/PM/ALL; 05/ALL DAY/FM,V-HI,U; 08/PM/U; 14/AM/U; 15/AM/FM,V-HI,U; 17/AM/ALL; 18/ALL DAY/ALL; 21/PM/ALL; 27/PM/U; 29/PM/U; 30/ALL DAY/FM,V-HI,U

Dan, VE7QM, hasn't heard any auroral on 10 meters and up and neither have I. Disappointing. F2 openings have been few with generally weak signals and typical fading. The highest I've heard the MUF this past month is 72 MHz with some Central American (Spanish) repeaters that sound like dispatch/mobile operations. Some of you midwestern reporters should be picking up some of this stuff from the Pacific on your ICOM's, Yaesu's, and high gain VHF-LO antennas. I definitely need a proper 6 meter beam. I've put the homemade 50 MHz dipole on horizontal with slightly better results, although F2 has a habit of changing polarity. I've heard no F2 on FM yet although I have monitored

Mike Cherry (continued) extensively. I haven't seen any F2 activity from Hawaii, nor the west Pacific - Korea, Japan, USSR, etc. although have set up scanning programs to hunt for video or audio. The one or two times during November that signals were strong enough for video sync to come through they still didn't look even vaguely intelligible (in spite of the differing format). However, more gain would definitely help. For sure next cycle (23) I'll have a killer 50 MHz setup.

<u>December 1989</u>	14 Es 1926	CCI on ch 2 90°	29 Es 0724	heavy CCI chs2,3
3 Es 1137	CCI on chs 2, 3	unid ch 3 90°	0743	KMTV 3 NE
1147	unid ch 3 NBC	(Briefly)		(Only station!)
1149	fade/out	24 tr 0918	0745	unid ch 2 100°
4 tr 1833	KTDZ 24 OR	(Very strong)		( Under CBUT- 2)
1836	KUTF 32 OR	Es 1110	0812	fade/out
1848	KTVZ 21 OR	1117	tr 2210	KTDZ 24 OR
11 tr 1043	K65BU 65 WA	1126	2223	CCI on 22,23,43
(Grays Harbor KTPS-28)	25 Es 1924	heavy CCI chs2-4	31 tr 0310	KATU 2 OR
1047	KTNW 31 WA	1932	ms 0341	unid ch 2 (5sec)
(Over CBUT36-31)	1939	fade/out	0402	unid ch 4 (3sec)
13 F2 1435-1517	45.25/50.75	27 Es 0837	0407	unid ch 2 (8sec)
TVNZ2 New Zealand	28 tr 0737	KLEW 3 ID	0418	unid ch 2 (3sec)
unid 46.25/51.76	0742	KXLY 4 WA	tr 0442	KXLY 4 WA
(TVQt Australia)	(Over KOMO- 4z )	0744	0457	KREM 2 WA
tr 2216	KHTR 16 OR	heavy CCI ch 2		
2224	KTDZ 24 OR	(Not "venetian")		

Only tropo listed is rare stuff. Super tropo (regional) occurred: 12/04, 12/05, 12/06, 12/08, 12/11, 12/13, 12/22, and 12/23. Super tropo (local) occurred: 12/11, 12/15, 12/16, and 12/24-26. December 11th and 28th we had major temperature inversions with extreme fog. Meteor scatter observed throughout the nights of December 30th and 31st. Only a sample is listed for the morning of December 31st. Since this report is being filed on New Year's Day - then Happy New Year to all readers, contributors, and editors. I hope everyone's New Year gets off to a better start than mine did. Last night we had a heavy wind blow in off the water and my homemade 6 meter antenna got completely destroyed and became entangled in the coax of the UHF 4-bay. By daylight this morning, the wind had died down enough to throw on the climbing belt and tools and climb up the tower. The antenna is beyond repair and the GaSFET amplifier shorted out fusing the coaxial downfeed. Fortunately, no other damage was done - the UHF and the Lindsay FM yagi are alright. I probably won't replace the 50 MHz dipole until summer. After this morning's hypothermic experience (I'm still half frozen), I'm not in any hurry to do any tower work for awhile. I would like to install a 5 or 6 element amateur 50 MHz beam but don't have too much room left on the tower. I definitely will for the next sunspot cycle. I will probably get a commercial 50 MHz dipole/ground plane or construct another dipole, as it worked quite effectively. The yagi seems sensitive enough to bring in a fair amount of 6 meter skip, and I have done some of my Australia/New Zealand reception with it so am not totally out of the F2 reception picture. When the ionosphere sets up shop with the corresponding MUF, it takes a relatively simple antenna here on the Pacific coast to receive trans-Pacific skip. In the midwest, I'm sure that a good dipole or beam and ultra-sensitive receiver are needed. The Kenwood RZ-1 pulls the stuff out on the coast just fine when the F2 is rolling. There weren't many days of high F2 MUF in December that would have been conducive to TV/FM skip. If Jeff Kadet or any other WTFDA members wish to contact me regarding F2 antennas for 50 MHz, feel free.

Lastly, I still don't have the new call letters for the new TBN channel in Portland. It is parallel to semi-local KTBW-20, Seattle. I'm surprised that Portland is on channel 24+ as this has been assigned to Pullman, Washington. I assumed Portland would be minus or zero. Dave Sinclair says this was originally licensed as KTDZ, a commercial channel that due to finances sold out to TBN. Until next month, 73's. Mike

(Mike, channel 24, Portland continues to be a commercial allocation. At this time, KTDZ continue to be the call letters, and a license has not yet been granted. The owner of the permit for KTDZ is National Minority TV Inc., a non-profit organization with the same president as Trinity Broadcasting Network. I presume this is a tactic to allow TBN to effectively control more stations than would otherwise be allowed. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CST

January 1990

2 Es 1034	unid ch 2 CBS	2 Es 1100	WSB 2 GA 1115	2 Es 1121	WAVE 3(IN) 810
	unids channel 3	1117	WRAL 5 NC 1215	1128	WFMY 2 NC 1150
1054	WBTW 3 NC 1140	1118	(MUF 88.1)	1214	WTWO 2 IN 710

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, Alliance HD73-1 rotator, Winegard PA-4975 preamplifier, Channel Master 9549 RG6 cable.

<u>November 1989</u>	24 tr 0730	KJEO 47 CA 180	24 tr 0730	KFTL 64 CA 310
24 tr 0730	KFSN 30 CA 180	KMSG 59 CA 170		

This was by no means a Thanksgiving "tropo feast" -- the kind that so many members experienced one season. However, considering this region's dry desert-like climate, I gladly accept whatever UHF activity comes down the coax! As noted above, I made two changes to my equipment setup: a Channel Master sub-band trap has been added to curb some annoying channel 2 interference, most likely a neighborhood source. The SITCO arrays I had been experimenting with came down in favor of a more conventional broadband antenna, the Winegard CS-9095. While I have yet to witness any significant improvement in my DX'ing capability, the CS-9095 does enhance my daily reception of most Los Angeles UHF locals and San Diego semi-locals.

December 1989 Good things come in small packages! What I suspect was a 30 Es 1025 KLEW 3 ID 810 very sudden and short-lived solar flare totally disrupted locals KCBS-2 and KNBC-4 on December 30th and brought with it a picture perfect KLEW-3 station ID at 1030 PST. For the most part, KLEW's signal was snow-free and in color. Amazingly, as quickly as this solar activity came about; it likewise dissipated, with conditions on channels 2 and 4 promptly returning to normal at 1035. I hope everyone had a pleasant holiday.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CDT/CST

Equipment: See November 1989 Western TV-DX

<u>October 1989</u>	3 tr 0415	WLOX 13 NC 558	5 Es 0455	CKCK 2 SK 918	14 Es 2100	WESH 2 FL 983
	0430	WBIR 10 TN 489	9 ms 0535	KPRC 2 TX 893	15 Es 1520	WESH 2 FL 983
	0435	WTVC 9 TN 512		0603	1525	WPBT 2 FL 1229
	9 Es 0515	KCNC 4 CO 811	13 Es 1950	WPBT 2 FL 1229	1530	WJXT 4 FL 895
29 ms 0455	KDFW 4 TX 738		14 Es 1730	WPBT 2 FL 1229	1540	WTVJ 4 FL 1229
				1830	1630	&ICRT 3 Cuba 1350
				1930		(Phillips TP)
				1955	1640	WPTV 5 FL 1168
<u>November 1989</u>	1 Es 2215	WPBT 2 FL 1229	2000	WEDU 3 FL 1031	23 ms 0520	KPRC 2 TX 893
					0530	KDFW 4 TX 738

E skip occurred twice in the early AM. On October 9th, E skip was through channel 6 for five minutes, but the only ID was Denver, channel 4. On December 5th, CKCK-2 was in alone for a half hour. Seeing skip to the north between 0430 and 0500 in December would seem highly unlikely. At this stage in the sunspot cycle, anything is possible.

On December 13th, the hash on channel 2 looked strange to the south throughout the day, especially around 1815. A Spanish speaking station came in briefly then, and WPBT-2 was seen at 1950. Nothing above channel 2. We would all like to see F2. How close was it to channel 2 that day? Most likely I saw a Cuban.

Jeff Kruszka, 5855 Walnut Creek Rd, Apt. A-105, River Ridge LA 70123

CST

Equipment:

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

<u>November 1989</u>	12 tr 2020	KPLC 7 LA 170	13 Es 1848	unid ch 5 PBS
4 Es 1040	CKVR 3 ON 1147	KNOE 8 LA 191		(Ron LeBlanc had
12 tr 1931	KTXH 20 TX 319	(Nullled WVUE- 8)		New Mexico)
1935	WHLT 22 MS 116	2325	14 Es 2129	unid ch 2 CBS
1954	WMAU 17 MS		15 Es 1726	unid chs 2, 3
	WMAH 19 MS		16 Es 1830	KENW 3 NM 826
	KLTL 18 LA 170		1900	unid chs 2, 5
		<u>December 1989</u>		
		13 Es 1848	unid channel 2	



# EASTERN TV-DX

HOLD YOUR  
REPORTS  
UNTIL NEXT  
MONTH!!!!!!!

FEBRUARY 1990

Still a "ketchup" situation as I make headway thru reports left over from Summer '89!!!...Please hold onto your CURRENT EASTERN TV-DX reports until further notice! I'll have word about my decision whether or not to continue this section next month....If I continue, will have to get my own P.O. Box for the column, separate from Club box 514!

MATT SITTEL - PO BOX 21441 - RALEIGH NC 27607 - (919) 737-5477

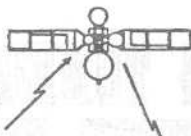
July 1989	July	August 28 Es 2059
KGFE-2 ND	31 Es 1129 KACV-3 TX	1 - 10 on vacation
28 Es 2059	31 Es 1129 KACV-3 TX	1 - 10 on vacation
KGFE-2 ND	1144 KFDX-3 TX	18 Es 0952 unID 2-6
unIDs 3,4	1145 KJAC-4 TX	0959 KFDX-3 TX
2205 unID-2 CBS	1159 KOET-3 OK	0959 KAMR-4 TX
2230 unID-4 ABC	1159 KBME-3 ND	1028 unID-3
2237 unID-3 ABC	1204 unID-2 CBS	1029 KSWK-3 KS
2258 KCNC-4 CO	1229 KAMR-4 TX	1058 KENW-3 NM
KQTV-2 (KS)	1232 unID-2 CBS	1129 KACB-3 TX
very rare for me!	1255 KLBY-4 TX	KLBY-4 KS
29 Es 0008 KNOP-2 NE	1259 KSWK-3 KS	1211 XHRI0-2
0015 KTVS-3	1259 KSNW-3 KS	MEXICO
0017 unID-2	1339 KOTA-3 SD	1213 KIII-3 TX
0029 KSWK-3 KS	1359 KDLO-3 SD	1228 KGBT-4 TX
0030 KSNW-2 KS	1427 Colorvison-2	1312 KDFW-4 TX
0037 unID-6	Dominican Republic, how'd	1431 KAUZ-6 TX
0126 unID-2	this one get in here?	1659 unID 3
31 Es 1107 unID-5 behind WCYB	2058 KJRH-2 OK	M C T V
1112 unID-6 CBS	2104 unID 2 NBC	1728 KSNW-3 KS
1119 KBTX-3 TX	2115 KTVY-4 OK	1828 KLNE-3 NE
1129 KENW-3 NM	2133 KACB-3 TX	1859 KACV-2 TX

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

JULY 1989	3 Tr 0830 WK01-43 IN	12 Tr 0930 Ottawa/
w/repair antenna	to WETO-39 TN	Hull stations
26 Tr 0715 W64AK OH	WMMT-3 MI	13 Tr 2359 WADL-38
w/WVIZ-25	1100 WKJG-33 IN	other Detroit
0730 WOAC-67 OH	near snowfree,	MI U 's
2030 WTJA-26 NY	other MI/OH strong	18 Es 1124 WBRZ-2 LA
new station (61)	3 Es 1230 KFDM-6 TX	1130 WKRG-5 AL
(Must be FLEA-POWER, I	1500 KNOP-2 NE	1136 WSWG-6 MS
NEVER get them here! -RON)	1530 KUSD-2 SD	1230 WPBT-2 FL
28 Es 2200 KSWK-3 KS	both over WGRZ	1230 WEDU-3 FL
ID w/KOOD-9	3 (P.M.)- 7 (P.M.)	1616 WRBL-3 GA
31 Es 1158 KSWK-3 KS	in Syracuse	21 Es 2200 KBTX-3 TX
AUGUST 1989	9 Es 1115 WLBT-3 MS	2230 WRBL-3 GA
3 Tr 0115 WNEH-5 MI	1130 KATC-3 LA	2300 KTBS-3 LA
0830 WSBT-22 IN	1130 KALB-5 LA	2241 KFDX-3 TX
to WKEF-22 OH	12 Tr 0930 CICO42-42 ON	2245 KDTN-2 TX
1100 WRGT-45 OH	McArthur's Mills TVO	

There has been quite a bit of skip activity this August, rather unusual. Maybe something to do with the sunspot peak? Even today (22nd) there was some CCI on 2 and 4, with an ABC on 3. The tropo on August 3rd was nice, but very unstable. I believe Frank Merrill and Bill Eckberg in Illinois had stuff towards my neck of the woods too that day. Matt Sittel helped me log the tropo and skip on the 2nd/3rd. He was here enroute to Syracuse. Now that my antenna is improved I commonly note stuff to erie, N.E. Ohio, Toledo (255 mi.), Detroit, all S. Ontario, Syracuse, Watertown, Ottawa/Hull, Elmira (36), Scranton (16/22). However, much closer stuff (under 200 miles) such as Binghamton, Utica, Pittsburgh, and Altoona PA area very rare the terrain. A problem to the WNW: UHF 17, 23, and 29 are only 10 miles away, so they show up on nearly every channel, including 49, home of 5 kW WNYB! 25 Toronto also images from 20-27 when 23 is off. A final note: rumour has it an LPTV in Buffalo on 67 is about to sign on. The convention was fabulous! Thanks to Bill for hosting such a nice get-together. It was great meeting all of you!

COMMENTS FROM YOUR ETV-DX EDITOR.....Next column we'll have many of the reports I mentioned here last month. A suggestion: everyone should try to type their reports, as it makes it easier on your editors. I sure don't want to mis-quote anyone due to mis-reading. This is as much as I can type this month, so its 73 until next month, RON



## SATELLITE NEWS

GEORGE W. JENSEN  
4604 Anntara Avenue  
Baltimore, MD 21206-4220

Hope everyone had a great Holiday and the 1990's bring great things.

Lots of odds and ends this month.

W P T F - Ch. 28 - Durham, Raleigh, Fayetteville, North Carolina was until recently being uplinked on Spacenet 2 - XPDR 20 with a subcarrier for WRAL-FM Raleigh. This was due to the collapse of their tower due to an ice storm. Also - W R A L - TV Ch. 5 from Raleigh, North Carolina was being uplinked on Satcom 4 XPDR 5 for the same reason. As of 1-4-90 it was still being carried.

Home Shopping Spree has moved from Satcom 4 - XPDR 1 to Satcom 2 XPDR 11. I haven't seen any listed reason for this move, but seem to notice what might have been a failing transponder. Signal on the Satcom 4 XPDR was extremely variable past several weeks, then they simulcasted on the two birds, lastly dumping the Satcom 4 feed completely. It remains unused.

The Department of Defense used as its official Domestic Satellite link during the Panama Incursion - XPDR 1 on Galaxy 2.

All networks and the DOD used the new Intelsat temporarily at 37W as their primary feed bird. This Intelsat VI was last used during the Malta Summit and was quite good with signal strength. This time around though the signals were no where near as strong.

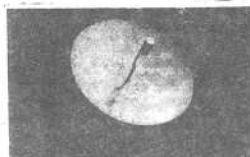
When Westar 4 fades which will be before Telstar IV will be launched - PBS will use Spacenet 1 or 3.

Many thanks to Patrick Martin who has made note of a lot of activity on Morelos 1 - XPDR's 3, 5, 7, 9, 11, 17, 18, 19, 21 and 23 being specifically unidentified here. Patrick - try - if possible - to get some ID's on these. He also reports some testing on Morelos 2. This should be opening up soon also.

The BBC has been reported as planning a World Service Television Channel - like the radio world service. It is interesting to note that TVE - Spain already has something along these lines with what was called Canal America - but lately has been called - TVE - Internacional. Cubanision on the Russian bird and TV5 Europe (Quebec formerTVFC99) are also examples.

Please note the Canada Home Shopping is now on Anik D2 and NOT C-1. Also First Choice is on D-2 no longer on C-1. The French Home Shopping remains on C-1. Most East beam scrambled programs on C-1 are using VCII.

That's all for now see you in 30.



# MODIFYING TUNERS FOR HIGH ADJACENT CHANNEL SELECTIVITY: A COMPARISON OF TWO MODIFICATIONS

BY MIKE BUGAJ

Back in November '89 I received a post card from Bill Nienajadly mentioning that, among other things, he had modified his Sony tuner with 180khz narrow bandfilters and was getting great adjacent channel reception. I was really curious about his claim. Skeptical was more like it. I called him a few days later and asked him for more information. He told me about getting his info from Tim McVay, and Tim should get the credit for finding the part and being the first to do the mod to a tuner.

Simply put, the mod consists of removing the ceramic filters from your tuner/receiver and replacing them with new 180khz filters. The filters can be ordered from DIGI-KEY, 701 Brooks Ave., South, Box 677, Thief River Falls, MN 56701-0677. They take phone orders at 1-800-344-4539. In quantities of ten the cost is \$1.38 per filter. Total cost to you if you charge the purchase is \$18.79. I bought ten.

The first unit I modified is my Carver TX-11. The Carver has 5 ceramic filters. These are blue in color and are the only blue components on the board. The words 10.7MC are stamped on one side. There is another board on top of the board with the filters and this has to be removed and moved out of the way. Once this is done, the old filters can easily be unsoldered and the new filters resoldered. The layout of the board is such that the components are not cramped together, there is plenty of room to work and the old filters are easy to remove. No need to yank hard or to smash the filters to get them out. Once the new filters were soldered back in, the mod was complete and I reassembled the unit. I should mention that the filters should be installed with the printed side facing the same way as the printed 10.7MC side faced on the old filters.

The second tuner I modified is my old Sony ST-5130. The 5130 was one of the "hot" tuners on the market in the early 1970s. It is rated at 100db alternate channel selectivity but adjacent channel selectivity is close to, if not exactly, zero DB. In other words, it's terrible. Quite a few members had them, and I bet there still are a few gathering dust in somebody's basement. The 5130 has 8 ceramic filters. Yes, eight. However, I only had 5 new filters left, so I only changed the first five. The modification this time was more trouble. Components were cramped on one small board. Wires and resistors were attached to the underside of the board and more care had to be taken to make sure something didn't short out. I broke three of the old filters while trying to pull them out. However, once the old parts were out of the board, the new filters went in easily and the unit was then reassembled.

And now, the results with the Carver. First off, I started hearing WEZF-92.9 in Burlington, VT pointing right through local WHYN-93.1. Then I aimed right into my Hartford locals and noticed scatter reception of NYC stations on the following freqs: 92.3, 95.5, 96.3, 100.3, 101.9, 102.7, 106.7. Also, 105.7 cleared up and improved reception was noticed

on 92.9, 94.5, 95.9, 101.1, 104.3, 106.1 and 107.1. Almost NO splatter is audible on the lower adjacent channels while the splatter on the upper adjacent channels is reduced a bit. If the fact that I am getting WEZF scatter thru local WHYN doesn't convince anyone of the selectivity of the modified Carver, then nothing will. And this was around 10pm local time with the outside temperature at about zero degrees!

Now, the results with the Sony-5130. Well, what would you expect with a tuner that didn't have any adjacent channel selectivity to begin with?? I didn't expect much, especially since I only changed five of the eight filters. Well, fellow members, what I ended up with is a tuner that outperforms the modified Carver!! I am not kidding! I have done comparison tests with both tuners using 75 ohm coax and a two way 75 ohm splitter. I have done day tests and late night tests (all done from Dec. 20 to Dec. 22 with outside temps ranging from zero to +12 degrees) and the 5130 pulls in everything the modified Carver does including the following stations the Carver cannot receive: a) WNYC-93.9 and WRTN-93.5, b) WBAB-102.3 and WVE-102.3 (and WVE in stereo yet!). Also, because the 5130 is an analog tuner (remember tuning dials?) stations like WAHB-107.1, WEFX-95.9, WNYC-93.9, WNCN-104.3 really stand out. In short, I have gone from alternate channel selectivity of practically nothing to around 50db. And for the cost of five lousy filters...the grand total of \$6.95. Amazing, ain't it?

Well, what does this all mean? It means new life to hundreds of old tuners tucked away in attics or basements years ago by their owners because they weren't selective enough. It means that DXers who can't afford a MR-7B or a Onkyo or a Carver can have something equal to or close to one, and for a cost of ten dollars or less! And now my question is this. How come these things are on the market dirt cheap and the manufacturers aren't using them??

In closing, I hope that this article will reinforce all that has been written in the WJD about these filters by Bill Nienajadly and others. They are not all that difficult to install and very affordable. I imagine that more will be written about this in the WJD in coming months and I look forward to reading about it. Good DXing!

---

## MODIFY YOUR TX-11A FOR BETTER DX

BY BILL NOLLMAN

After sinking over \$600 into a Carver TX-11A tuner a few years back I was sad to hear that the new Onkyos' were even more souped up--until recently, when I heard from Mike Bugaj that replacing the 5 - IF filters with cheap priced but better replacements will do wonders for the selectivity.

This evening I discovered another improvement that can be done by any user the TX-11A (NOT the TX-11). The tuning increments can be changed to steps of 50 kHz from 100 kHz steps. This tuner is equipped for European FM where this tuning increment is necessary. The switch is located just behind the signal strength meter and has two positions, one labeled "US" and the other "E."

Flip the switch to E and sit back and enjoy being able to detune around the locals. ONE NOTE: the AM Band will be useless as its increments are changed too (but who cares--I wasn't all that impressed with the TX-11A AM section anyhow). Here in the Hartford area with a poor Radio Shack antenna in the attic it made drastic improvements. Note that there is also a switch on the mother PC board that switches to 50 uSec de-emphasis from 75 uSec. Dont change this as the audio quality will be severely altered. Good luck and best wishes in 1990!



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

THE HISTORY OF TELEVISION  
[Part Four]

UHF Commercial Service Begins:

KPTV in Portland, Oregon became the first commercial UHF operation when it began operation September 20, 1952 on channel 27. Five years later the station was sold to the owners of KLOA (12) in Portland and the channel 27 operation was taken off the air; the KPTV call letters were moved to channel 12, and the KLOA call sign dropped.

UHF Has Problems:

Economic and technical problems impeded full utilization of the UHF channels in the early years of service. Because of the large number of VHF-only receivers originally in use, advertisers preferred VHF stations, limiting UHF revenue. At the FCC's request, Congress appropriated funds for a test in New York City to determine the ability of UHF to provide service comparable with VHF in a locality of difficult reception because of tall buildings separated by 'canyons'. As a result of the tests, the FCC concluded that UHF reception was generally equal to that of VHF.

The FCC Looks For Solutions:

In 1956 the FCC outlined plans to promote comparable TV facilities as a means of extending service throughout the nation. In the years following it considered and ultimately rejected the idea of moving most or all television stations to the UHF band. It sought the assistance of the industry to find ways to increase the range of UHF stations. It also made certain areas all UHF, and took other steps to put UHF and VHF on a more competitive basis. In 1966 the Commission revised the table of channel allotments to make additional UHF assignments.

Congress Pitches In:

Perhaps the most powerful pro-UHF salvo was fired in 1962 when Congress adopted a law which required that all TV receivers be made to receive both VHF and UHF channels. Set manufacturers had to convert to all-channel production by April 30, 1964. The move gave substantial impetus to UHF expansion. A lingering complaint was that VHF tuning dials, which click into place, were easier to operate than UHF tuners which worked like radio tuning systems. Efforts were launched to make UHF tuning more like the 'click' action detent tuners used for VHF; and rules were adopted in 1970 to require comparability.

The Industry Matures:

With most of the early technical problems resolved, television broadcasting saw relatively few changes or breakthroughs between the mid-1960s and the present time. Most significant among new technologies was the advent of satellite transmission. This series concludes next month with a look at that area as well as some of the other advances; plus a glimpse at what the future has in store.

[This series concludes next month]

**BRAND NAMES USED BY DX-ERS**

ANOTHER WORD PUZZLE! - SOLUTION TO APPEAR IN THE MARCH V.U.D.

W P F A R C H E R E Y  
C I O N K Y O D A I X  
H O N T H M P H D T P  
A N D E N O N B I S R  
N E J N G C X L O K E  
N E A N E A P O S L W  
E R P A T R R N H P Q  
L U Z C E V O D A N O  
M O E R C E H E C Z K  
A I N A H R N R K H Z  
S A I F N S D T B S R  
T J T T I G I O U S E  
E V H E K J R N T F A  
R C A J A H Y G A I N  
B E L D E N A U I O U  
D S B N N P E E U S P

ANSWERS: WINEGARD,  
ANTENNACRAFT, ONKYO, ROHN,  
CHANNEL MASTER,  
BLONDER TONGUE, TECHNICA,  
ZENITH, RCA, CARVER,  
ARCHER, DENON, RADIOSHACK,  
JVC, PIONEER, HYGAIN,  
BELDEN.

Puzzle by....Bill Nienajadly

-Clifton N.J.

**A GIANT TV DX CROSSWORD!!!**

ANSWERS (FROM JANUARY 1990 V.U.D., PAGES 32 - 33)

