

# From The Staff:

WTFDA Headquarters, P.O. Box 97, Calumet City, IL 60409

**EXCEPTIONAL WINTER DX...** In addition to all the excitement being caused by peak F2 DX conditions, VHF and UHF DX enthusiasts in North America have been having what appears to be the best tropo and E-skip winter conditions in several years. Many long-haul FM and TV loggings have been made, with some over very unusual paths--all quite astounding, too--considering the time of the year. As many have assumed, much of the great tropo conditions can be attributed to an unusually mild winter that many northerly areas have been enjoying. The summer-type E-skip, however, has caught many DXers almost completely by surprise, despite the fact that it came in the traditional winter "secondary peak" period. Some of the Es MUFs in the January 3rd to 5th period reached well above the top of the FM broadcast band. Who knows--maybe even February will surprise us this year!

**CAN YOU DRAW?**...We're always looking for cover ideas and cartoons for the VUD, and we'd like to hear from you if you can provide us with either. Almost anything you can come up with will be welcome, but please drop us a line first, so that we can let you know our size requirements. Meanwhile, we're in for a treat--one forthcoming VUD cover will feature a cartoon by DXer-artist Harry Hayes.

**TV ADDRESS LIST...**One project that has been suggested to WTFDA HQ in recent months has been the publishing of a TV station address list, for QSLing purposes. However, any undertaking of this sort requires much work, not to mention an expenditure of club funds. If you'd be interested in seeing WTFDA publish such a guide for sale to DXers, we'd like your opinions on the matter.

**TV STATION GUIDE...**Be watching future VUD issues for news on the long-delayed TVSG--with this project now taking top priority, we hope to be able to publish an absolutely up-to-date edition soon--but it all depends on you. If you think you can help, TVSG editor Morrie Goldman will be glad to hear from you.

**BITS...**A planned installment of INTERNATIONAL NOTES will have to wait until March, due to the lack of a volunteer to re-type and lay out the material...Thanks to Paul Traska for this month's cover...F2 conditions were down drastically in early January due to a series of solar flares, but seem to be making a comeback by month's end...Believe it or not, the VUD should be getting earlier in the next few months...

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# MAILBOX

John Zondlo  
1802 N. Rockwell  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 10th

### New Members:

Don Bartlett		Plainville, KS 67663
E.R. Carlson		Fort Wayne, IN 46804
Edward Dunnavant, Jr.	9734 Saratoga Road	Brooklyn, NY 11225
Bo Hagstrom	240 Crown St.	S-141 70 Huddinge,
	Gardsvagen 24A	SWEDEN
Tony Hemphill	2415 Maple NE	Salem, OR 97303
Frederick Marciszewski	8195 Webster Road	Clio, MI 48420
Gregory Neuman	3200 S. Fulton Court	Denver, CO 80231
Claude Ranely	44 FG Victor Hugo	Pointe-A-Pitre 97110,
		GUADELOUPE, FWI
Lybrand Smith	23521C Anza Ave.	Torrance, CA 90505

### Renewals:

Michael Albanese, John Baumgarten, Don Blevins, Lawrence Crane, Pierre Daigle, Perry Ferrell, Robert Foxworth, Neil Grandjean, Chris Hansen, Frank Hostetler, Albert Kopec, W.R. McIntosh, Deane McIntyre, Gerald Pulice, David Rogers, Roger Sabella, Eric Schutz, James Thomas, John Topel, Paul Traska, Arthur Williams, Jr., David Wurl.

### Rejoins:

Steve West--110 N.W. 20th Drive--Gainesville, FL 32601

### Address Changes:

Philip Epstein--2882 Humboldt Ave. S.--Minneapolis, MN 55408  
Michael P. Hollis--102 Starr St.--Enterprise, AL 36330  
Deane McIntyre--Dept. of Chemistry--U. of Waterloo--Waterloo, ON N2L 3G1  
Greg Monti--1110 Fidler Lane, #1424--Silver Spring, MD 20910  
David Rogers--Box 465 WSH--Fort Supply, OK 73841  
Craig Simons--413 Ridelle Ave.--Toronto, ON M6B 1K3  
John Sulak--84 Albright Court--Troy, NY 12180

### Renewals Due in March:

Jim Alexander, John Bolduc, Fred Born, Danny Buntin, Lynn Burke, Thomas Cornell, Emile Courcy, Richard Culin, David Curvin, Clinton Day, Bill Draeb, George DuBois, Alvin Fair, Ronald Green, Gerard Hart, Glenn Jacobs, Guy Kroger, David Leibold, Brad Lovett, R.E. Lyons, W.J. Mansir, Joe Markewicz, Henry McCoy, Jr., Richard Miller, Jr., Greg Monti, Fred Nordquist, Guy Ogden, Steven O'Neill, Jim Pizzi, Les Price, John Robertson, John Sands, Bob Seybold, Craig Simons, Joseph Smith, Jr., Richard Steinberger, John Sulak, Philip Sullivan, Pete Taylor, John Timm, Steven Wiseblood, Mike Worst, Jim & Karen Young, Neil Zank.

Empire State new member EDWARD DUNNAVANT, JR., is also a member of NASWA and is into shortwave and ECB DXing. He's employed as a peace officer, lists his equipment as an RF-4800 and a DAL00, and goes by the ham call WB2HJE. Edward learned of the club in the World Radio-TV Handbook.

BO HAGSTROM learned of WTFDA thru ham radio (thru Pat Dyer?), where he uses the call SMO5483. He's interested in TV DX, and uses a Kennex 12" TV.

### Tidbits.....

Well, folks, it's time to eat my words. I must admit error in my comments regarding Robert Grant's questions in the 12/79 VUD. My apologies, Robert. From another Robert, namely Goodman, we have these comments regarding the matter: "Robert Grant was talking about the possibility of Es backscatter, though he didn't use that word, as the propagation mode for his 8/24/79 catch of WJBR-2. This type of skip certainly does not "defy the laws of physics" as you wrote. Backscatter is mentioned in Beyond Shortwave; it happens. Of course tropo may in his case be the more likely explanation. I see from other reports that there was considerable tropo around then and there, but John Combs' Es loggings

February 1980

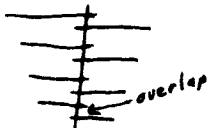
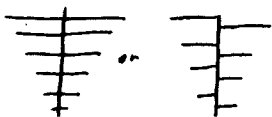
(Goodman, cont.) of Missouri stations demonstrates at least the possibility of backscatter (via Gulf of Mexico) in Michigan that evening. Robert Grant should check his log for mention of other skip or VHF tropo (especially low band), and remember the type and amount of fading and signal strength before claiming such a record. He really should report to Eastern TV DX. I intend to finish my suspense-filled series, "The Facts and Figures of Tropo", sometime. I hope to get a certain reprint from Victor Frank first." Many thanks for your comments, Mr. Goodman. I've never received anything by backscatter, nor have I seen much written about it, hence my unfamiliarity with it. Again, my apologies to all concerned.

As noted on page 3, Greg Monti has moved, and he explains why: "I moved to the DC area a while ago to take a new job at National Public Radio. I work in master control, where various audio programs are sent on their way via the old landline system and, to the 80 affiliates that have it, Westar I satellite. NPR should be free of the Bell System by the end of the year. The improvement in quality is enormous and stereo is possible simply by pairing two satellite channels. There are four channels currently and expansion to 12 is expected. For the RO freaks, it's on transponder 2 (3740-3780 MHz). Modulation is FM at 75 kHz peak deviation, similar to a mono FM broadcast station. NPR's system also uses dbx noise reduction, providing better-than-FM quality. I haven't gotten much into FM/TV DX here yet, mostly for lack of equipment. I'd better look for good overload rejection, hi! WWDC-FM is right out the window! I haven't had them hook me into the building MATV system yet and I seem to be getting HBO for free on rabbit ears. Hmmm. I had a log of 175 FM's and 70 TV's on Long Island; I'll see if I can start some totals here soon. Saw WTFDAer Bob Cooper on NBC-TV with Jack Perkins on 12/23 on Prime Time Sunday. The subject: TVRO, naturally. They showed film of a TVRO sales convention, a terminal being installed on a remote ranch in the southwest (where there is no TV), and off-tube shots of HBO ID's, ABC-TV's Chicago Bureau setting up, etc. The segment was much-enjoyed. Only wish it had run longer. 73's."

John Sulak (new address on page 3) needs some help with an antenna: "I live about 10 miles from Philadelphia's channels 3, 6, 10 and 12 transmitters. I recently purchased a Winegard S100 antenna (their best VHF) to receive NYC 2, 4, 5, 9, 11, and 13. Unfortunately, I receive a lot of co-channel interference. I've tried to remedy this by using Winegard's notch filters (15 db per channel). This helps somewhat, but not enough. I'd like to find the directors and driven elements for the Philly channels and "clip" them so that they work on the NY channels. Unfortunately, the elements each overlap the boom by as many as 5 to 11 inches per element. Other manufacturers don't have this overlap, and I don't know how to deal with it. The ARRL Antenna Book and others never mention this; that is, the elements in their antennas are mounted symmetrically on the boom. Can anyone help, please?" Perhaps you mean adjacent channel interference, John? Any suggestions?

other antennas

Winegard



Looks like the folks out east have been getting their fill of F2 DX. According to Glenn Jacobs, "F2 DX good from 12/8-12/16. F4 audio 54.40 was heard on 12/15 & 16 with excellent quality. RTE on A2 & BBC and lots of E2. Also some E3 QRM on US 2 & R1. Bill Grant has a couple of photos of E2 & R1. One is a West German ID on E2 - not bad! Jerry Pulice has a tentative on Bratislava and has logged Swiss & German video. Conditions now in a downward trend - flux below 170, etc. Should perk up for first half of January. Very little Es in December.

Our French-speaking DX friends in COCQ have a new address- Club Ondes Courtes du Quebec, Case Postale 267, Gaspé, Quebec, CANADA GOC 1RO. COCQ is an ANARC member, and puts out an all-French bulletin called L'Onde.

February 1980

I have some qualms about using the following material, mainly because it could probably fit into both Eastern TV and CGI. However, we've never set any firm guidelines on where foreign reporters send their reports (till this F2 season we've heard little from our foreign members), and things will be expedited by printing it here rather than passing it on. This info comes to us from Mike Allmark (11 Potterneton Crescent, Meanwood, Leeds, West Yorkshire LS7 2DY England). Perhaps some of you could help him out: "The long awaited F2 conditions at channel A2 arrived yesterday (October 8, 1979). I switched on the TV at 1418 GMT to find lots of ham activity around 50 MHz. I then tuned up to A2 vision at 55.25 MHz and sure enough, 2 programs floating 525 line/60 Hz very strong, but also very smeary. I saw what appeared to be a man and woman



talking and captions, this latter at 1446 GMT. I could not tell if the floater was the same or not. The dark areas at the bottom and top of the screen was caused by 60 Hz field sync." In a later letter, Mike tells us more about his catches, and asks for your help: "Since I last wrote concerning A2 reception on 7 November,

things have heated up with many days of F2 reception both in east and west directions. Lots of channel A2 TV for upwards to 4 hours and one reception here at channel A3 at 61.25 MHz. I feel our receptions are of NBC since NBC News has been seen and heard. Anyway, here is a rundown of my reception in December '79, also mentioning receptions to the east for your interest (Channel R1 video received daily).  
 December 11- At 1550 channel A2 video, from 1600 GMT "The Flintstones" cartoon was noted till 1608 and later (up till 1635), and "Beverly Hillbillies". Another transmission was co-channel with this reception.  
 December 12- Channel A2 video from 1527 - 2 transmissions.  
 December 13- At 0930 on channel E2 to a program suspected Dubai-UAE, also many USSR transmissions on channel R1, channel A2 video from 1430, possibly 3 transmissions, also weak A2 audio at 59.75 MHz. At 1600 a caption "AV" was noted, followed by "Flintstones" till 1607, then "Beverly Hillbillies" until fade out at 1700.  
 December 14- A big increase in MUF to the west, with channel A2 video (2 transmissions) from 1232, and at 1259 NBC News. By 1335 the A2 audio was noise free, and I have recordings of NBC News also at 1335. I saw A3 video at 61.25 MHz, not so strong, but there were 2 transmissions, one which appeared to be a news announcer, maybe NBC. At 1414 there appeared to be 3 transmissions on A2, but MUF had dropped and sound on 59.75 was weak. At 1506 I noted "Sesame Street" till 1610, then "Flintstones" and around 1645 "Beverly Hillbillies" till fade out at 1649.  
 December 15- Around 1215 when I switched on there were strong programs to the east on channels E2 and E3 with an Arabic origin (Gulf states). At 1320 Channel A2 video with weak sound appeared till about 1645.  
 December 16- No channel A2 noted this day, only channel R1 video in the morning.  
 December 17- No channel A2 noted but channels R1, E2 and E3 to the east up till 1400.  
 December 18- Again no western DX (except on 50 MHz), but good to the east with Arabic transmissions on channels E2 and E3 and channel R1 with sound at 56.25 MHz.  
 On many occasions during the above openings I listened on 6m ham band, where I could copy X-band contacts. I was particularly pleased to hear KØGUV and KØCJ on the 13th, as Ø was a new call area heard on 50 MHz. So far I've had VE1, VE3, KV4, W1, 2, 3, 4, 5, 6 and Ø. My reception of A3 video at 61.25 on December 14 is the highest MUF I've noted in this solar maximum so far. I receive Boulder PRF weekly and find this very helpful for F2 and auroral predictions. I hope you can help us over here in identifying any of the stateside TV transmissions." It's good to hear from Mike and to see the folks over there have had as good luck with F2 as we've had in the United States and Canada.

Speak German? The Association deutschsprachiger DXer (Association of German speaking DXers, or ADDX) has issued a two part publication called "Die Praxis des TV-DX-ings", or in English "Practice of TV DXing". The booklets are entirely in German. ADDX is a shortwave DXing oriented club with approximately 4,000 members. Each part of the publication is available for 7 International Reply Coupons. For more information contact Wilhelm Herbst, Cornelimunsterstr. 2, D 5000 Koln 41, West Germany.

And finally we continue our report (begun last month) from member A.H. Wiese in Munich, West Germany: "As West Germany is a relatively small country, in most places you can receive foreign programs. Here in Munich, in Bavaria, it's common to receive the two programs of the Austrian network. But their programming isn't much better than the Germans (they often carry simultaneously the same show). The Austrians are airing commercials the whole programming through, but, as the Germans, never interrupting a film or show! I haven't had to learn the Austrian language, because they are speaking German, too (hi). In some parts of Switzerland they also speak German. Two years ago, the American Forces Television Network opened a station here at the nearby housing area of the Munich Army post. It wasn't announced in the local newspapers, but two days after this station got on the air, I tuned it in (that's one great advantage of being a DXer: you are always one of the first when something new is on air). Besides, I learned English at school, and never was in an English-speaking country, so many thanks to AFN-television and AFN-radio; if they weren't, I wouldn't be able to write you this letter.

In the meanwhile, I've added to my PAL color TV an NTSC demodulator and a 4.5 MHz audio transverter, so now I can enjoy "Three's Company" in full color. Looking at this kind of program (and "Rhoda" or "Carter Country" and so on) and relaxing a bit I am imagining myself to be in your great country...

Well, it may be interesting to know that the British Forces Broadcasting Service is airing its own TV program, too, but only in some northern parts of West Germany (audio spacing 6 MHz) and the Belgian Forces, too, but their stations are only retransmitting the two national Belgian programs. In the 1979 official list of all the TV stations operating here in West Germany there are listed 94 transmitters for AFTV (the highest 16 kw ERP, the lowest 500 mW, and all but one in the UHF band), 13 stations of the British (BFBS) (the highest 400 w ERP, all UHF), and 26 transmitters of the Belgians (BGSK) (800 w ERP the strongest, all UHF, too).

Think about that: If you try to travel around within the borders of West Germany and intend to watch (in color) and listen to every TV station you will receive (foreigners, too), your multi-norm TV set would have to have the following features:

First colour: PAL (for West Germany and the bordering states such as Austria, Switzerland, Holland, Belgium, Denmark), NTSC (AFN-TV), SECAM III L (France, Luxembourg), SECAM III B/G (Eastern Germany), and last SECAM III D (Czechoslovakia).

Second, audio spacing: 4.5 MHz (AFN-TV), 5.5 (most countries), 6 MHz (BFBS), and 6.5 MHz (Czechoslovakia).

If you got such a TV set, the difference in the number of lines, 525 (American), 625 (Europe), 819 (French), and the picture per second rate will be no problem for you. Notice that in some areas of West Berlin you can receive, besides the West German program in PAL and the East German program in SECAM, also AFN-TV in NTSC. Ain't that great?

The only firm I know that is selling such a multi-norm TV is "BARCO", a Belgian video and audio producer. Because of the high quality of their products the prices are high, too, so that's nothing for a hobby DXer like me." We'll continue this fine report next month, space permitting.

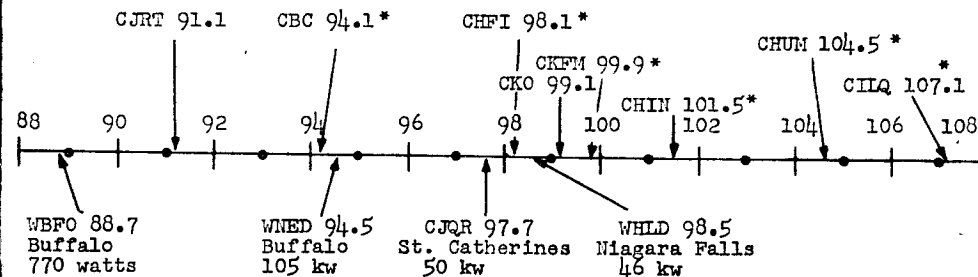
Your comments on most any aspect of the above 30 MHz DXing hobby are welcome here (unless, of course, they would better fit into another column, hi). DX here should be something else once we get into the spring and summer. Had a big skip opening here 1/6, with the MUF above the FM band. With relatively good conditions, I really believe I can log more states than I did in 8 years in Hammond (only 22), and maybe even more stations (about 350). Part of the 8 years in IE were spent TV DXing, hence the low totals. Well, enough for this month. Keep those cards and letters coming in, hi.....73.....jz

# HOW TO MAKE OVERLOAD FILTERS FOR CAR FM

BY PETER WEEKS

I would like to report an interesting case of unusually strong interference to reception on car radios in Toronto, resulting from a number of powerful stations broadcasting from the 1800-ft. CN Tower, and my experiences in experimenting with filters. Following this account, I have a number of questions on FM reception in mobile locations.

First, let me fill you in on the FM spectrum--listing the powerful stations radiating from the city centre: directly below, I note the FM stations from Buffalo and other locations that I have had trouble receiving, due to interference (through "cross-modulation"):



\* -- from CN Tower--generally 40-45 kw, about 1400 ft. (except CHIN--low power)

You can see, then, that stations from the CN Tower operate on a range of frequencies, i.e. 94.1, 98.1, 99.9, 101.5, 104.5, and 107.1.

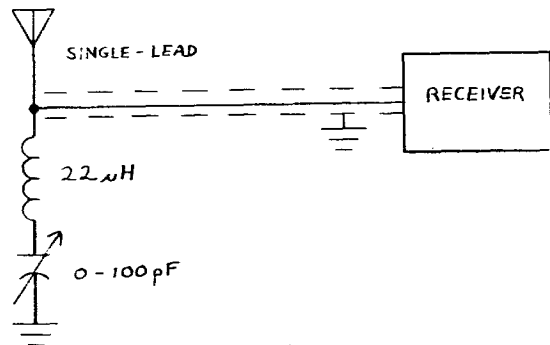
Except when I am within a range of 2 miles or less from the tower, it is only CBC at 94.1, CKO (downtown but not on the Tower) at 99.1, and CHUM-FM at 104.5--which are troublesome in the reception of the out-of-town stations which I mentioned.

Specifically, it is CHUM-FM with occasional addition of CKO that is most noticeable in receiving WJED-FM at 94.5. This is particularly irritating as WJED is a listener-supported PBS classical music station, and the interference from CHUM-FM is in the form of loud rock music. CKO is easier to take, as it is an all-news station.

In receiving WBFO, a PBS news and jazz station in Buffalo (now just 770 watts, but due for a power increase in a short time to 21,400 watts), it is mainly CHUM again and also CBC-FM that make it unlistenable, without filters. As you would expect, it is rather weak in signal here at the moment, though when at the crest of the hill on which I live, it is sometimes quite clear (though in mono only). I think it to be a good DX challenge.

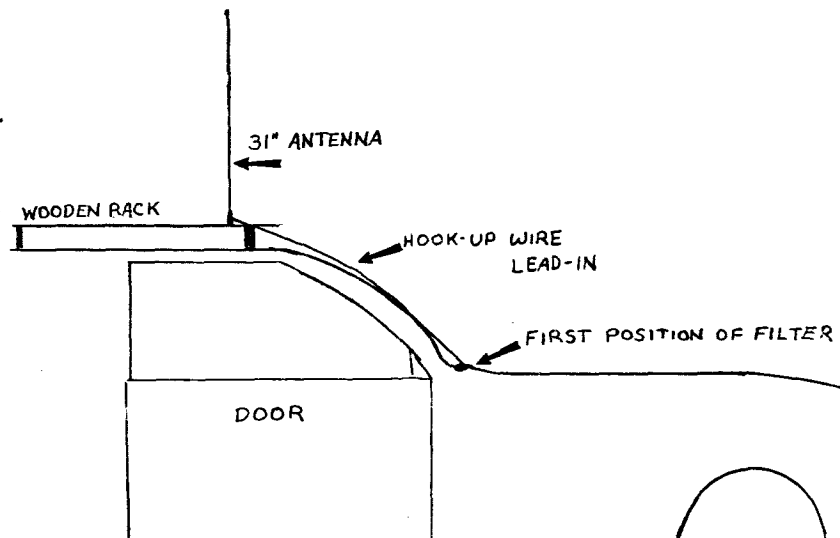
## HOW TO MAKE OVERLOAD FILTERS FOR CAR FM

Let me tell you of the filters I have used, and the effects of them. The principle I have used for the circuit is simple:



Tuning the capacitor until the principal interfering station is the weakest makes a dramatic difference--often being entirely sufficient to eliminate the interference to the desired station.

At first, I experimented with the most convenient location on the car, and that is just where the antenna (originally mounted on the side of the frame of the windshield) connected to the input lead. For better pickup, I had removed the antenna from its original position and mounted it higher on the roofrack in order to prevent signal loss from its proximity to the car-frame. The set-up is thus:



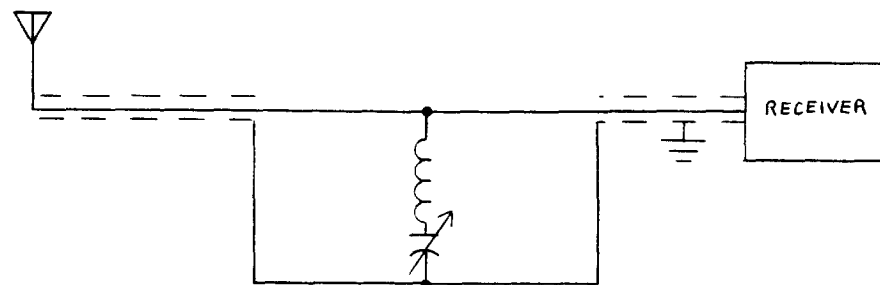
The results were dramatic--without the filter CHUM would just swamp WNEB most of the time--whereas with it, CHUM QRM would be mostly gone, though coming in at odd locations in short spurts but with far less strength than before. Still, it was an uncertain thing, as interference was always to be expected.

The second position for the filter was under the dashboard several inches from the receiver, connected to it through coaxial cable. The effect was definitely more pronounced. In fact, I found that, for WBFO, that weak station at 87.7 MHz, I was able to suppress completely the really strong interference from CBC-FM, 94.1, which had previously drowned it.

## HOW TO MAKE OVERLOAD FILTERS FOR CAR FM

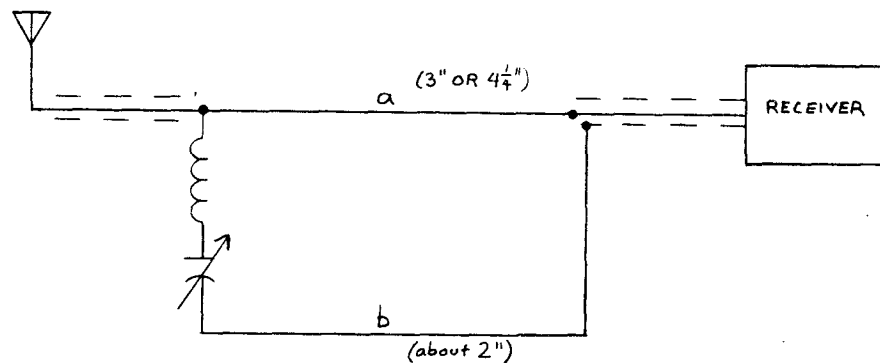
Thus:

(SECOND POSITION OF FILTER)



However, with the leads (unshielded) as short as possible, the filtering tends not only to be strong, but it seems that the bandwidth of filtering is almost too broad, as I notice a definite loss of signal on the desired stations. For WNEB-FM, 94.5, I can suppress the stations from the Tower really thoroughly, with almost complete success even within a mile of it, and yet WNEB suffers from more fade-outs, and certainly loss of what otherwise is a stereo signal. Also, WBFO is weakened drastically.

So, I tried a compromise, by having measured short-lengths of unshielded hook-up wire between the filter and the radio thus:



This seemed to narrow the bandwidth of depth of the null such that I recovered the lost signal strength, but at the price of less complete suppression of the interfering stations. Right now, the compromise (which works well up within 3 miles of the CN Tower) is 3" of wire for WBFO (with no loss of signal and yet satisfactory suppression) and 1 1/4" for WNEB (with some loss of signal).

I should say that the receiver used is an AM-FM stereo radio, with cartridge player, designed for Chevrolets. Also, I should note that filtering even this simple way is much more effective than putting on the "LOCAL" setting, as the signal loss there is more serious, and the suppression of local interference is not satisfactory either.

From all this, I have some questions. I would be most appreciative if anyone can give me hints on any of them, especially regarding a more sophisticated filter.

(1) Are there more sophisticated or more selective filters one could build for this? I have heard of "active filters" or ones using a transformer and capacitors. I have not been able to locate any information on these.

(continued on page 29)

# QSL CORNER

FM QSL

- IL WTAA 102.3 Morton, Box 464, 61550. Letter from Rick Atterbery, Manager of news & operations. Elving
- IN WBCL 90.3 Fort Wayne, Bible College, 1025 W. Rwdisall Blvd, 46807. Letter from Kenneth Clyde Hill, General Manager; who verifies by letter "in Christ's service." Elving
- WOCH 106.1 North Vernon, 47265. Charles R. Plummer, manager, who reports of FM reception in Ashland, NH & on AM heard in Hawaii & the Philippines. Elving
- WAXT 104.9 Rockville, 47872. Letter from Betty Jane Spencer. Elving
- KS KTKP 106.9 Topeka, 910-1st National Tower, One Townsite Plaza, 66603. Letter, map & bumper-sticker from Michael E. Slocum, CE. Yingling
- LA KFRA 105.3 Franklin, letter from Mike Calamari, who says that he was the person on duty when I heard there, claiming no SCA. Elving
- WYWK 101.5 Baton Rouge, 854 Main St., P. O. Box 2541, 70821. Letter from Program Director, Dave Besse. Reply in 2 1/2 weeks. Yingling
- KJVC 92.7 Mansfield, Drawer 740, 71052. Letter in 7 days from Bennett Strange, President/CE who says "This is our furthest report to date," also he describes his own ham radio interest in the past as W5ESX. Sawatzky
- MI WKJR 101.7 Muskegon Heights. Sends a specific letter from Phil Boersma, (WTFDA member) night announcer & RX Correspondent who saw my 1974 report, one of three dx reports ever received there. Elving
- WCML 91.7 Alpena & WCMU 89.5 Mt. Pleasant. Letter back for both from Thomas Hunt, Manager & program director. Chernos
- WHSB 107.7 Alpena. Letter from Terry Winder, Program director with 4 key chains, 4 stickers, & folder, used \$1.25 for postage. Chernos
- WGGR 102.5 Bay City, Letter & map from M. DesTardins, program dept. Chernos
- MO KOBC 90.7 Joplin. Program sked with note over erification from Tim Taylor, General Manager. Also send picture of station, Ozark Bible College. Chernos
- KSYN 92.5 Joplin, 2510 W. 20th St, 64801. Letter & map folder from William B. Neal, no title, reply in 7 days. Yingling
- KWFC 97.3 Springfield, P. O. Box 5027, 65801. Letter from William W. Muench, Assistant Manager. Reply in 2 weeks. Yingling
- NE KFAH 92.1 Alliance. Specific letter & rate card in 3 weeks from Robert V. Hill, GM. Invited me to visit station. Wood
- KVNO 90.7 Omaha, Box 688, 68101. Letter from Marie Motowylak, Public Awareness Director. Reply in 10 days. Yingling
- KRRX 92.7 O'Neill, P. O. Box 150, 68763. Letter from Carlee P. Mathis, CE send letter & map in 10 days. Yingling
- KTTT 93.5 Columbus, Box 518, 68601. Signed verification note on bottom of own letter, signed by Raph Wayne, Pro. Dir. Yingling
- NM KTOB 89.7 Ramah. Letter specifically confirming programming, but omitting date & time of my reception, reply in 2 weeks from Curtis C. Schults, Manager. Enclosed typical NPR program guide. Wood
- WI WNUW 99.1 Milwaukee, 200 N. Jefferson, 53202. Letter from Albert C. Hajly. Eddie Chief Engineer. Eddie
- WDUZ 92.5 Green Bay, 225 N. Adams, Box 36, 54305. Letter from Stephen Kenopka, Manager. Sawatzky
- WGTD 91.1 Kenosha, 3520-30th Ave, Gateway Tech. Inst, 53140. Handwritten verification on memo pad paper by Gary D. Vaillancourt, General Manager. Sawatzky
- WLPX 97.3 Milwaukee, 759 N. 19th St, 53201. 2 letters, first from Robert Johnson, CE & second from Thomas W. Daniels, program director with a bumper-sticker enclosed. Sawatzky
- WY KDLY 97.5 Lander, letter, no details, & 2 rates card in 2 weeks from Joe Kenney, GM. Woods

Reports this time for all FM-QSLs were, Bruce Elving, Adolph-Duluth, MN; Saul Chernos, Toronto, Ont; Richard Wood, Cape Girardeau, MO; Richard Eddie, St. Louis, MO; Peter Sawatzky, Guelph, Ont, & editor, Tom Yingling. I surely wish when members report to this column that they would give the station mailing address with the name of the signer. I don't know how many more times I'm going have to ask my reporters to do this.

73's Tom

Thomas J. Yingling, jr.  
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Baltimore, MD 21222  
Deadline: 10th  
Phone # 1-301-282-5649



# FM NEWS

Bruce F. Elving, Editor  
Box 251-KSC  
Kearney NE 68847

Readers' Reports and Comments  
WBOF 88.7 Buffalo's move to 21500 watts directional should be complete now, ceasing a three-year project. Country music fans tried stopping the move of WZUE Carlisle PA from k to rock, but their petition drive was no success. I says Andy Smith.  
Robert L. Foxworth sent a long article, *New SCA Services are giving BG music a run for the money*, in the Oct., 1979 *Broadcast Communications*. It quotes Paul Hedberg, Blue Earth MN and owner of KEEZ 99.1 Mankato MN on their farm news data operation, and Jim Newbanks, engineering, WSSR 91.9 Springfield IL on their experimental SCA printer service in braile. Art Thompson, WFME Newark sent an article on the pros and cons of home tuning-in of satellites, including views of Fred Hopen-garten, a communications attorney, who feels the FCC cannot use Sec. 606 of the Communications Act of 1934 to stop this type of viewing, which is analogous to using FM-SCA at home.  
Tuning in on the satellites is WIAA 88.3 and WGGI 91.1 Interlochen and Houghton MI, respectively, for their NPR relay. I heard *All Things Considered* on WGGI and can attest to talking being vastly improved over the older network wire system.  
Two '90.9 stations, WDCB Albany and WRUC Schenectady NY, are reportedly blocking one another in an area between the two. Both have stereo and progressive rock, so the formats are similar; even WRPI 91.5 Troy has complained about the excessive modulation these stations have used to try to overcome this interference.  
KELO-FM 92.5 Sioux Falls SD has excellent SCA music, and KZZL 99.5 LeMars IA is not difficult with an outdoor antenna for picking up its music, reports Robert Heckenlively in Yankton SD, who says "I have enjoyed using the [SCA] Super Snoopers received from you."  
The CKO studios in London should reopen in mid-February, after 1 1/2 years of rebroadcasting CKO-FM2 Toronto... The CKO network plans to broadcast 24 hours in 1980. And two competing firms will battle it out to see who gets 99.9 in Sarnia, Ontario.  
Back on the air after a storm is WPCS 89.3 Pensacola FL. The tower of WKSJ-Fm 94.9 Mobile was blown down. WHIL 91.3 Mobile on only a week before the storm hit, lost its tower. Mike Dornier was told they have a shorter tower now—their "signal is extraordinarily weak... usually nonexistent for a 100-kw station." Mike also says: "A number of ten-watt stations are being taken over by ad hoc public broadcasting groups in an effort to save them... K105.5 Bellingham WA and W102.9 Washington PA are examples." As of November 1, 1979, there were 590 vacant commercial FM channels, with 226 applied for. Over 50 channels have been added in the last year, a growing majority for towns of 3,000 and under. Have you noticed the recent trade journal articles on the decline of AM? Articles in *Newsweek* and *Sports Illustrated* have offered the same opinion. I've been dialing the AM band lately and find almost nothing but talk or Bible-thumping programs. The glorious AM band has come to this! Who would have reduces coverage to 31 miles primary, 70 mi secondary, probably to give a closer-in move of the transmitter to where their target audience lives.  
OR Coquille KWRO-FM 102.3 280 h.v.; 880 TX Beaumont KQXY 94.1 100000 h.v; 6800 WA Spokane KP8X 91.1 56000 h.v; 2300 BC Vancouver CJAZ to be on 92.1, 5200 h.v; 2084; directional; jazz  
BC Vancouver new gospel station to be on 107.9, probably 50,000.  
NF Rattling Brook CHOS-FM 95.9 50000 h.v; (527). This power increase requires deletion of CJQQ 99.9 Gander NF, because the CRTCC CONTRIBUTORS TO BE listed next month!

New FM Stations Granted  
AR Dumas 107.1 3000 h.v.; 160'; k  
CA Alturas 94.5 52000 h.v.; 78'  
CO Delta 95.3 3000 h.v.; 37'; rock  
HI Makawao, Maui 94.3 3000 h.v.; 37'; ke  
ID Mountain Home 99.3 3000 h.v.; 87'; k  
IL Princeton 98.3 3000 h.v.; 300'; g  
MI Houghton \$ 97.7 750 h.v.; 540'; rock  
PA Exeter \*88.1 110 w.-370', schools  
SD Pierre 95.3 2700 (h.). 197'; r  
TX Monahans 99.9 100000 h.v.; 290'; r  
VA Crozet (20 km WNW Charlottesville VA) 102.3 3000 h.v.; 300'; k  
105.5 3000 h.v.; 300'; m  
VA Louisa \*91.7 1000; 126'; Mil-  
WI Milwaukee school of Engineering (IAM) relay  
SA Uranium City 105.1 85 wats; CBK /

NonIDs often used in lieu of call letters  
IL Granite City WWK 106.5 Stereo-WK  
KY Hopkinsville WKOA-FM 100.3 K-100  
KY Glasgow WOVO 105.5 105-FM  
KY St. Matthews WNUU 103.1 FM-103 (ex-U-103)  
NY Lake Success WTFM 103.5 T-103.5, fm  
OH Cleveland WDOQ 101.2 FM-102  
WZZP 106.5 106-FM (no more ZIP-106)  
TN Nashville WSI-X-FM 97.9 Stereo-98  
TN Shelbyville-Tullahoma WTCV 102.9 C-103, very strict nonID, k, no stereo

Dual-City Identification in Use  
KY Hodgenville WKMO 106.3 add: Elizabethtown

Stereo or to go Stereo  
AR Mammoth Spring KAMS 95.1  
ID Boise KIDD 104.3  
IL Hoopston WHPD 100.9  
IL Le Roy WMLA 92.7  
ME Presque Isle WTMS 96.1 m (The Entertainers)  
MA Salem WMMW \*91.7  
MS Ripley WTXI 102.3  
MT Billings KOOK-FM 102.9  
OK Ada KASX 96.7  
SC Columbia WMHK \*89.7  
UT Price KARB 98.3  
UT Richfield KJMC 93.7, also vertical

FM Stations Deleted  
SC Columbia WBCT \*90.5, and confirmed not on air, as WBCT not heard during skip opening that brought in other Columbians 1-6-79  
NF Gander CJQQ 99.9 (see Rattling Brook, under facilities)

Call Letters assigned or Changed  
AK Haines \*102.3 KHRS  
AR Morrilton 101.7 KVDM-FM  
AR Ozark 96.7 KZRK-FM  
CA Crescent City 94.3 KCRF-FM  
CO Montrose 96.1 KWDE  
GA Gordon 107.1 WIZY-FM (from WKOQ-FM)  
GA Toccoa Falls \*90.9 WRAF [had guessed]  
IA Davenport \*94.3 K232AK (not K232AH as I /  
LA New Roads 106.3 KQKL-FM  
MI Beaverton 97.7 WGED-FM  
MT Ronan 92.3 KQRR  
NY Lake Placid 105.5 WPLW  
OH Springfield 102.9 WAZU (WBLY-FM) still pr, no more FM-103 nonID  
OR Prineville 95.3 KRCO-FM  
PA Carlisle 102.3 WZUE (WHYL-FM), now rock and using a 2-102 nonID  
SC Greenville \*91.5 WPLS-FM"  
TX Rusk 97.7 KWRW  
TX Silsbee 101.7 KWDX  
VA Highland Springs \*91.1 WHCE  
WY Worland 95.9 KEMB-FM"  
AT Lake Louise 97.5 CJAY-2  
AT Lethbridge 100.9 CILA-FM" (CHEC-FM), applies for 107.7, 100,000 wats h & v.  
NS Middletown 106.5 CBHM-FM"  
ON London 92.7 CJBX-FM"; k  
PD Asbestos-Danville 90.1 CBF-11  
PD Lac Megantic 93.7 CBF-6

PQ Magog 106.1 CIMO-FM"  
PQ Mont-Laurier 96.3 CBF-F  
PQ Radisson 100.1 CBF-7 (from CBFR)  
PQ Sherbrooke 101.1 CBF-10  
PQ Trois-Rivières 100.1 CBF-8 (x-CBF-1)  
PQ Victoriaville 96.5 CBF-12

SCA activity (67 kHz)  
IN Lafayette WASK-FM 105.3 1X  
IA Emmetsburg KEMB 98.3 no SCA  
MD Baltimore WYU 97.9 no SCA (had been music)  
MD Baltimore WITH-FM 104.3 no SCA (had been Physicians Radio Network)  
MA Boston WROR 98.5 no SCA  
WBSZ-FM 106.7 SCA never activated.  
MN Alexandria KCMT-FM 100.7 X (no more talking farm news—only machine news)  
MN Mankato KEEZ 99.1 X  
NY Jamestown WHUG 101.7 talking book  
SD Aberdeen KAAA 94.9 to have X (farm news data)  
SD Sioux Falls KPAT 97.3 X; KIOV 104.7 X  
VA Manassas WEZR 106.7 no SCA; had been Physicians Radio Network; now PRN has no affiliates in Washington-Baltimore. I read where PRN wants off SCA and "onto "UHF," so wonder if this is their first move off SCA in a major market?

Formats/Networks  
AR Siloam Springs KMCK 105.7 r, K-106  
CA Fresno KFYE 93.7 Y  
KFII 101.1 r (from mr)  
KFRY 101.9 k; CBS  
KJJB 105.3 k; p, Doby on AIR  
CA Porterville KIOQ 98.7 mr; some Spanish  
CA Tulare KBOS 94.9 no Y  
CA Visalia KONG-FM 92.9 r (from m)  
FL Green Cove Springs WKUE 92.7 m (not rp)  
IN Auburn WDKB 105.5 m (from r)  
IN Indianapolis WIAN \*90.1 c; stereo finally  
IN Pendleton WHEM \*91.7 Mutual  
IA Cedar Rapids KCCK \*88.3 fm (some c), and changing format from primarily c; as well as emphasizing local productions rather than taped programs from outside; still NPR.  
LA Lafayette KRVS \*88.3 has French mornings  
LA New Orleans WEZB 97.1 r (from disco)  
MI Ironwood WIMI 99.7 T (from N)  
MT Butte KOUY 95.5 rock  
NH Manchester WGR-FM 101.1 rp T (was N)  
OH Springfield WUSO \*89.1, rock, "Woo-so"  
SD Sioux Falls KLYX-FM 93.5 pr, X-93  
VA Warrenton WGRA 94.3 m [SCA]  
VA Winchester WEPG 102.5 r (from gl); music  
VA Winnetta WCCN-FM 107.5 S (from M)  
PR Guayama \*88.1 to be gospel

Facilities Changes Granted  
FL Clearwater WQXM 97.9 100000 h.v.; 600'  
KY Greensburg WGRK-FM 103.1 2000 h.v.; 370'  
MA Boston WGBH \*89.7 100000 h.v; (650')  
MA Gloucester WCA 104.9 3000 (h.); 260'  
NH Bayard KLCJ 92.7 180 h.v.; 1000'  
OH Cleveland WGLL 98.5 11000 h.v.; 960', but glorious AM band has come to this! Who would have reduces coverage to 31 miles primary, 70 mi secondary, probably to give a closer-in move of the transmitter to where their target audience lives.  
OR Coquille KWRO-FM 102.3 280 h.v.; 880'  
TX Beaumont KQXY 94.1 100000 h.v; 6800'  
WA Spokane KP8X 91.1 56000 h.v; 2300'  
BC Vancouver CJAZ to be on 92.1, 5200 h.v; 2084; directional; jazz  
BC Vancouver new gospel station to be on 107.9, probably 50,000.  
NF Rattling Brook CHOS-FM 95.9 50000 h.v; (527). This power increase requires deletion of CJQQ 99.9 Gander NF, because the CRTCC CONTRIBUTORS TO BE listed next month!  
Selected abbreviations: \*educational station, \$ is stereo, e ethnic, g gospel, j jazz, k country, m middle of the road, r rock, M Mutual, N NBC, T NBC's The Source.

# NORTHERN FM-DX

Ralph Strobel, editor  
2510 E. McGalliard Rd.  
Muncie, IN 47303  
Deadline: the 10th

FEBRUARY 1980

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

## TWO LUCKY DXERS LIVING IN THE EAST REPORT WINTER E-SKIP!

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

Equipment: Pioneer TX-9800, with Channel Master model 4408 antenna at 40 ft.

12/16 tr 0005 WPLN 90.3 TN Nashville c 340 0045 unID 90.3 Noticed a jazz station over top of WPLN, in same direction in about five minutes. Possibly WBHM? 0059 WLKL 90.3 IL Mattoon p, low 185 s/off	12/17 tr 0008 KTOF 104.5 IA Cedar Rapids g 330 12/22 tr 0017 WZEE 104.1 WI Madison r, "Z-104" 255 0028 WISM 98.1 WI Madison r, "98-FM" 255 wx for Madison
0110 WLRH 89.3 AL Huntsville j 445 0115 WDDD 107.3 IL Marion k, "W-3-D" 320 0144 WVKX 104.5 TN Gallatin r 330 "Kicks-104"	12/28 tr 1915 WMIK 94.1 IL Mount Vernon m, ID 260 1927 WJBM 104.1 IL Jerseyville k, ID 300 1937 KSLQ 98.1 MO St. Louis r 305 1953 WMRV 101.1 IL East St. Louis j 298
0155 WQUD 104.5 TN Memphis "Quad" 475 0212 WDJC 93.7 AL Birmingham g, ID 525 0300 WAPI 94.5 AL Birmingham m, ID 525 NBC nx	"Hello, and glad you could join us on WMRV" 2132 KMOX 103.3 MO St. Louis m, "28 305 mins. before 9 on the mellow sound of KMOX"
12/17 tr 0005 KNWS 101.9 IA Waterloo wx for IA375	12/29 tr 1415 WCRF 103.3 OH Cleveland g, ID 200 (new underlined - EST used)

Two good tr openings into the South and Midwest this month, adding another state, AL, to my loggings. Birmingham's WDJC and WAPI were exceptionally strong signals by the time I went to bed at 0300 on 12/16. With TV DX from western IA the night of 12/28, I was hoping for a better FM showing, but with strong signals from St. Louis and Chicago blocking the frequencies, it just didn't happen. However, I did receive a station on 91.1 which I have not yet been able to identify. Does anyone know what on 91.1 in IL, WI, IA or possibly MO carries the PTL Club or 700 Club between 9 PM and midnight CST? I would appreciate your help. (I would imagine it was WIBI Carlinville, IL which has a g format.-RS) 73, Bob

Dave Hascall - 211 N. Merrill - Fortville, IN 46040  
Equipment: Soundesign \$ and Portable

7/11 tr 0900 WIMA 102.1 OH Lima k\$ 0905 WIUC 98.3 IN Winchester pr\$ 1005 WLWS 96.5 OH Hamilton r oldies, \$	8/7 tr 0825 WIAI 99.1 IL Danville k 2303 WFPL 89.3 KY Louisville j, ID s/off announced that a reduced power (63kw) was used instead of normal (100kw)
7/13 tr 2300 WWJY 101.5 IN South Bend m\$ 7/18 tr 0905 WVUD 99.9 OH Kettering pr\$	8/18 tr 0015 WMEE 97.3 IN Fort Wayne pr\$ (ex-WMEF m\$)
7/19 tr 1730 WACF 98.5 IL Paris k\$	9/4 tr 2123 WKAR 90.5 MI East Lansing nx, \$ 2230 WJFM 93.7 MI Grand Rapids r
7/23 tr 0145 WSAI 94.1 OH Cincinnati 1720 WGUC 90.9 OH Cincinnati NPR, t\$ 1921 WFCJ 93.7 OH Miamisburg g\$ 1945 WDAO 107.7 OH Dayton d, "Disco 10-77" 2000 WDRK 106.5 OH Greenville	9/9 tr 1728 WSLM 98.9 IN Salem nx, mono 9/11 tr 0715 WLQR 101.5 OH Toledo ads, weak
7/27 tr 2205 WACF 98.5 IL Paris k\$ 2205 WIAI 99.1 IL Danville k\$	9/12 tr 0655 WFMT 98.7 IL Chicago c 11/25 tr 0030 WRFI 94.1 MI Jackson m, strong 0125 WVJC 89.1 IL Mount Carmel pr & d
7/28 tr 0006 WISU 89.7 IN Terre Haute p. s/off 0004 WBKY 91.3 KY Lexington st. nx 8/5 tr 2050 WVJC 89.1 IL Mount Carmel d 2101 WLBH 96.9 IL Mattoon m\$, "\$-96" 2103 WBKY 91.3 KY Lexington j3	12/22 tr 2140 WY50 91.3 OH Yellow Springs (ex-91.5) 3 P. blues \$ 2213 WLBH 96.9 IL Mattoon HS BB 12/28 tr 1257 WACF 98.5 IL Paris k 1258 WILL 90.9 IL Urbana nx

12M has been sluggish here this fall. It picked up a couple of days after Christmas due to a strong inversion layer. That is what caused the fog around midwest. 73, Dave

NORTHERN FM-DX

FEBRUARY 1980

Rod O'Connor - USCG Group - 259 High Street - South Portland, ME 04106  
Equipment: Realistic STA 21 Receiver and Rabbit Ears Stereo Antenna.

I was quite surprised to have the below loggings which were received on December 4 during a brief evening, and I think it was auroral skip considering the short duration of only a half hour. All DX from my apt. - Drinkwater Point, Yarmouth, ME.

12/4 Es 1925 WLRD 95.9 FL Bonita Springs 1360	12/4 Es 1929 WMJX 96.3 FL Miami 1370
1927 WGYL 93.5 FL Vero Beach 1260	1939 WVMF 94.1 FL Lakeland 1225
	1945 WIRK 107.9 FL West Palm Beach 1330

Like I said, this was just a quick opening with nothing spectacular heard since then.  
Hope 1980 is a good DX year.

Harry J. Hayes - Star Route, Box 226c - Gouldsboro, PA 18424

Equipment: Gouldsboro - Zenith Trans Oceanic, Finco FM-4G antenna, CM VHF Amp.  
Wilkes-Barre - Zenith Trans Oceanic, 104 MHz., twin quad loop.

9/30 tr 2214 WMAS 94.7 MA Springfield r, good 200 2231 WFMPT 104.5 MA Fitchburg r, "M-104" non-ID 230 2258 WSSH 99.5 MA Lowell Another beautiful "Wish" outlet. 260	11/10 tr 2130 WRBO 97.1 OH Ashtabula EZ, ID 290
11/11 tr 2100 WBJE 90.5 NJ Lincroft Community College ID, good 120	1/1 tr 1444 WHPC 90.3 NY Garden City good for 390w. MX was modern 110 bands. Nassau Community College ID along w/several call IDs. First new catch of 80's! 1700-1715 Short lived Aurora storm, w/intense hash in ed. band. 1/4 Es Intense Es hitting FM band at 1730 or before. Open to 107.9 from 1745-1815. 1738 KAFM 92.5 TX Dallas soft r, ID, excellent 1753 KNOKT 107.5 TX Fort Worth punching thru semi-local WBYO w/soul. No ID. 1756 KDNTT 106.1 TX Denton strong, k, mention of N. TX & "D-106" 1758 KKDA 104.5 TX Dallas strong, r, KKDA ID on hour. "K-104" 1814 KTGS 99.9 AR Fort Smith strong with two ID's heard. 1820 KGAF 94.5 TX Gainesville very strong, ending TSN Sports, then 1580 s/off at 1820. 1822 KISR 93.7 AR Fort Smith strong with Fort Smith mentioned. 1830 KSOZ 91.7 MO Point Lookout strong, beginning "Further Consideration" - apparently a spinoff to "All Things Considered". 1/5 Es 1540 KEZO 92.3 NE Omaha pr 1542 KMGK 93.3 IA Des Moines very strong 1547 KTTTt 93.7 NE Columbus mentioned central NE, severe KMGK QRM. 1/6 Es 1900 KAFM 92.5 TX Dallas very strong, ID, "K-Plus" 1907 KSCS 96.3 TX Fort Worth k 1915 KPLX 99.5 TX Fort Worth 1920 KNUS 98.7 TX Dallas r, "K-News" non-ID & ID. 1920 KXGLt 107.9 TX Corsicana mentioned Corsicana in ad. 1925 KNOK 107.5 TX Fort Worth ID finally 1930 KVTT 91.7 TX Dallas ID after religion 1935 KCBIt 89.3 TX Dallas weak with mention of TX.

The 1/4 Es preceded the arrival of a large snow storm system here. Boy, what a fantastic three days! Best winter season I've ever had. Six new ones netted out of all this activity. How nice of it to occur on a weekend! 73, Harry

Ralph Strobel - 2510 E. McGalliard Rd. - Muncie, IN 47303  
Equipment: Heath AJ-1510, Winegard antenna w/rotor at 60 ft.

12/9 tr 0252 WSIX 97.9 TN Nashville	12/30 tr 0755 WSHJ 88.3 MI Southfield 125w.
12/26 tr 1812 WQUT 101.5 TN Johnson City	(All new - Total: 813)

During the December and early January meteor showers I left my tape deck recording frequently each night. Even though many bursts were heard, no ID's resulted. A rather poor showing, in my opinion. That's about it for this month. 73, Ralph

# SOUTHERN · FM DX

Danny Buntin, editor  
1312 N. Skyline  
Stillwater, OK 74074

DEADLINE: now 10th

TAKE AN INSIDE LOOK AT CUBAN BROADCASTING AND ACTUAL DX

SOME GOOD OFF-SEASON SKIP USHERS IN THE 80's

Glenn Hauser, Habana Riviera Hotel, Habana, Cuba, "Free Territory in America"

On a four-day Christmas visit to this fascinating city, I brought along my Sony ICF-5900W portable to check out the local and DX FM scenes. The logging scale was calibrated, more or less, against locals in Miami before departure, complicated by the scale's non-decimality (there are eight ticks between each number). Though I've rarely seen any reports of FM DX from Cuban stations, there are three such stations in Habana: 90.5, which I and others heard years ago, is not on the air, but R. Progreso is active on 92.1, the old STL for 690 kHz AM which some lists put at 92.15 and which may be the case. R. Musical Nacional (CMBF) has another low-powered station measured on 93.75 (give or take 50 kHz at least) with undermodulated classical music parallel to 950 kHz. But the big news is that Habana has a stereo FM station with a much stronger signal than the other two, R. Enciclopedia. (I'll have to take their work that it's stereo, as confirming that is rather difficult on the portable.) Frequency announced is "95", but the measurement seemed to put it a tad above 94.9. Format is EZ-listening music interspersed with brief informative announcements (presumably, someone reading items from an encyclopaedia!), and it too is simulcast with AM, CMBQ 1060. This is the station Ron Schatz and I hear everywhere in Habana played in public places. No traces of any other local FM activity in Habana. However, we've spent one day visiting the magnificent Varadero Beach, east of Habana, scanning the dial on the beach, I was surprised to find a muzak-like station which in certain spots was the strongest signal, and in others was completely inaudible, on about 98.4 MHz. There was never any talk, and never any ID, even across the top of the hour. The bellhop says it's for resort hotels only, located on 39th St.

South Florida FM stations as far north as Tampa (350 miles) were constantly audible over the all-water path, too numerous to log. Of course reception was best right along the coast, but many could be heard as far inland as Jose Marti airport or Lenin Park. On Dec. 26th, a wake-up tune across the dial from our 11th-floor room facing the sea revealed a nice Gulf tropo opening, in the 700-mile range (I remind you, on the portable with its partially broken-off whip!) from these: (:times CST)

0640 WRPM 107.9 MS Poplarville	0705 WXEL 105.3 LA Slidell, "kicks 105"
0701 WTGI 103.3 LA Hammond, "t-103"	0728 WABG 97.5 AL Mobile
0702 WWL 101.9 LA New Orleans	0752 WKRG 99.9 AL Mobile, "G-100"
0703 WJLQ 100.7 FL Pensacola	

There were many more with no time to ID; some of these calls may be out of date, since I'm going by the 5th edition FM Atlas.

Due to a tight itinerary and a bureaucratic fear of authorizing anything out of the ordinary without permission from superiors, it was not possible to visit the inside of any Habana stations. Anyone contemplating doing this should try to set it up well in advance and get a written invitation. I can certainly recommend Habana as an enjoyable excursion for North American tourists, quite aside from the DX aspects.

TV? There was no set in our hotel room (though we were told the suites had them), and the only chance to watch was during a several-hour delay at the airport before departure. The set was completely inaccessible except for turning it on and off. Standard 3/4 color bars ran until 1130 CST, then an hour of black and white programming. I've seen much more Cuban TV from Tennessee and Texas than I have from Habana.

Neil Dickerson, 426 State St., Sharptown, MD 21861 - Sept. 25 to Jan. 6

9/25 tr	12/14 tr (nice opening into WV)
0730 WNEA 90.1 ME Portland 490	1900 WVPW 88.9 WV Buckhannon 250
0746 WJFD 97.3 MA New Bedford 350	1930 WESM 97.5 WV Martinsburg 170
0800 WSKG 89.3 NY Binghamton 260	1939 WKLP 94.1 WV Keyser 190
0920 WMEA 106.1 ME Presque Isle, 730	2000 WZFM 98.3 WV Charles Town, 150
//to WNEA	through local WSUX
0930 WSME 92.1 ME Sanford, r, "\$ 92" 450	2015 WQPO 100.7 VA Harrisonburg, very rare 160
1000 WPBC 92.9 ME Bangor 650	2038 WDUQ 90.5 PA Pittsburg 260
1031 WPOR 101.9 ME Portland, k 490	cont.....

SOUTHERN FM DX

-Dickerson, cont.-

FEBRUARY, 1980

1/4 Es!

1650 KOBC 90.7 MO Joplin 1060
1700 KXXY 96.1 OK Oklahoma City 1275
1708 KATT 100.5 OK Oklahoma City, "the Cat"
1717 KMOD 97.5 OK Tulsa 1150
1730 KWAS 101.9 TX Amarillo, g 1500
mentioned sister station KJAK
1740 KOSU 91.7 OK Stillwater 1210
1800 KTXR 101.5 MO Springfield 980
1803 KORS 100.9 OK Miami 1075
1815 KYFM 100.1 OK Bartlesville, m 1120
1830 KEYN 103.7 KS Wichita 1230
KIKK 103.7 IA Davenport 830
KJEL 103.7 MO Lebanon 1000
1842 KIND 101.7 KS Independence 1050
1845 KICT 95.1 KS Wichita 1230
1856 KWLS 93.1 KS Pratt 1280
1900 KZZN 105.3 MO Rolla 930
1902 KARD 107.3 KS Wichita 1230
1905 KMKF 101.7 KS Manhattan, "KF" 1150
MUF drops to 91.5
1908 KBIA 91.3 MO Columbia 910
KHGC 90.1 KS Hutchinson 1210
1915 ???? 89.1 ?? ?? Began receiving 3
Spanish stations. At 1917 a station surfaced
that called itself "Radio Espanoso".
Nice stereo. Mexicana & La Grande
mentioned. HELP!! Can somebody help me
identify this? Made a tape of it. Can
somebody who knows Spanish decipher this
tape? Opening came to an end at 1920.
Don't know whether this is a real Mexican
or a program on an ethnic station. HELP!!
(Also: 1900 KQSM 105.5 KS Chanute) 1100

1/6 Es

1730 KORS 100.9 Miami 1075
1756 KSKU 102.1 KS Hutchinson 1210
1800 KSSN 96.1 AR Little Rock, k 980
KLFW 101.7 MO Union 1000
1806 KNTO 103.3 TX Wichita Falls, disco 1330
1815 KBEZ 92.9 OK Tulsa 1150
1820 KXXY 96.1 OK Oklahoma City 1275
1830 KKNG 92.5 OK Oklahoma City
KATT 100.5 OK Oklahoma City, "the cat"
1835 KOSU 91.7 OK Stillwater 1210
1838 KMOD 97.5 OK Tulsa 1150
1845 KWEY 97.3 OK Weatherford, "the big Y"
1852 KRAV 96.5 OK Tulsa 1150
1900 KALO 95.1 TX Beaumont, "K-lo 95" 1225
KEBC 94.7 OK Oklahoma City 1275
1905 KTFX 103.3 OK Tulsa, "the fox" 1150
1915 KZOM 104.5 TX Orange, 1200
"zoom 104 and a half"
???? 104.5 unID Spanish station
1918 KAEZ 107.7 OK Oklahoma City 1275
1930 KLTE 101.9 OK Oklahoma City, "sooner radio"
KNUE 101.5 TX Tyler, m 1200
1936 KZUE 102.7 OK Oklahoma City,
1945 KYFM 100.1 OK Bartlesville, m 1120
???? 105.7 ?? "K-106, Who is this?, r
1951 KWEN 95.5 OK Tulsa, "Queen 95" 1150
1956 ???? 98.5 OK? Somebody here with rel.
program, heavy QRM from local WSUX 98.3
1957 MUF drops to 90.9
2000 KCSC 90.1 OK Edmond 1250
KERA 90.1 TX Dallas 1200

After the great tropo of 9/10-12, the FM band here died! Really glad when I got the 1/4 skip. 16 new stations logged. Made a tape of the Spanish station on 89.1 & if anybody thinks they can decipher it, I'll be glad to send it to them. Any help would be greatly appreciated. 73's, Neil.

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - Sept. 2 to Dec. 26  
Rx: JVC JT-V22 tuner w/Archer ant. at 30 ft. All listings via tropo.

9/2

1000 KNOE 101.9 LA Monroe

9/8

1000 KYEZ 93.7 KS Salina, "Z-94" 572
1006 WIEW 97.3 KS Wichita 517
1010 KEDI 101.3 KS Wichita
1015 KSWT 107.7 KS Topeka, "K-sweet" 458
1020 KEYN 103.7 KS Wichita 517
1026 KJCK 94.5 KS Junction City 529
10?? KATT 100.5 OK Oklahoma City, "the cat"

9/9

1030 KPCG 102.5 MO Joplin 347
2110 KPLX 99.5 TX Ft. Worth 513

9/23

0900 KTYL 93.1 TX Tyler 415
0930 WKOR 92.1 MS Starkville, "92-K-O-R"
2109 KAKI 107.1 AR Benton 209

9/24

0712 KAFM 92.5 TX Dallas 486
0715 KCIW 107.9 TX Corsicana
0720 KZEW 97.9 TX Dallas 486
0722 KOAX 105.3 TX Dallas-Ft. Worth 486

10/21

0843 WQXY 100.7 LA Baton Rouge 365
0849 WSJC 107.5 MS Magee 232
0912 KSMB 94.5 LA Lafayette 400
0915 WBYU 95.7 LA New Orleans, 379
"bayou stereo"
0917 KTDY 99.9 LA Lafayette 400
0930 WAFB 98.1 LA Baton Rouge 365
0940 WYNK 101.5 LA Baton Rouge

11/20

WPVG 100.9 TN Huntingdon, first day heard on air, "the music conn."

11/24

0830 WFMF 102.5 LA Baton Rouge 365  
0910 WXEL 105.3 LA Slidell, also other stations as listed on Oct. 21; La stations will not be listed any more unless Class A or new.

12/25

2120 WALT 97.1 MS Meridian 200

12/26

1145 WPAP 92.5 FL Panama City, State #30 400

McVey, cont.

12/26  
1225 WPCB 94.9 GA Atlanta 276  
1230 WKMX 106.7 AL Enterprise 343  
1232 WHMA 95.1 AL Anniston 200  
1300 WBIR 103.5 TN Knoxville, "Rock 104"

1255 WHIN 104.5 TN Gallatin, "kix-104",  
didn't hear call, so it may be different  
from WHIN now.  
1310 KEZK 102.5 MO St. Louis 257

This season hasn't been all that great for FM DX; only 19 new stations for the whole four month period. Those same New Orleans and Birmingham tropo outlets get old after awhile, but then the weather has been very stable, too. My station total is 345, with 30 states. Note that WFGV 100.9 in Huntington is finally on the air playing MCR. You can write "the music connection" at 562 E. Main, Huntingdon, TN 38344. I have successfully found a way to null all the 250 uV Memphis signals by turning my antenna north and using 75-ohm coax. Note KNCE 101.9, WERC 106.9, WHIN 104.5, WLAC 105.9, WJMI 99.7, and so on. Does anyone out there know if WALP 90.5 in Corinth, MS is on the air? I haven't heard it in the 2 1/2 years I lived here.

Permit me to throw in some words about my receiver, the JVC JT-V22. It has only four controls: power, mute, AM-FM mono-FM stereo, and a large flywheel tuning knob. There is a linear 1 1/2" FM scale and two oversize meters (one scaled 0-5 for signal and one center-scaled for tuning). It's sensitivity on FM is 2.0uV and alt. channel selectivity is 70 db. With a 39 cent wire dipole I can get 15-20 stations with full quieting (45uV) when the closest station is 35 miles away. The signal meter is a sight to see when E-skip is coming in and you can hook up a 75-ohm antenna without an adaptor. I seldom see this under \$175 tuner advertised, and it is so good for the hi-fi or DX nut who doesn't have \$500 to waste. 73 and wishes for a decent winter...Tim.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 - Dec. 5 to Jan. 5

Equip: Realistic TM-1001 tuner into Allied 426, Archer 6-element antenna at 20 ft. with rotor. Central Standard Time used, new, new mode, t-tentative

12/5 Es  
1708 WINZ 94.9 FL Miami Beach 1150  
WWL 93.9 FL Miami Beach  
1710 lull to  
1740 WINOT 88.5 FL Tampa, k 985  
WVFMt 94.1 FL Lakeland, m 1010  
WYNft 94.9 FL Tampa 985  
1742 WIQY 98.7 FL Ft. Pierce, ad 1115  
WDBOT 92.3 FL Orlando, m 1035  
1744 WFLA 93.3 FL Tampa, m 985  
1746 WMGU 89.7 FL Miami 1150  
1755 WPCSt 89.3 FL Pensacola, g 685  
1835-40 unID 94.1, k, "Y-94" WCHY??  
1920-25 WRAD 88.5 GA Atlanta, r 880  
WRFGt 89.3 GA Atlanta, k

12/7 Es  
1059-1105 XEBSt 89.7 DF Mexico City 690

12/12 ms  
2315 KYNN 94.1 NE Omaha, ID, prior Es 830

12/13 ms  
0545 WRQE 94.3 WI Neenah, area ad 830  
(prior by ES)  
tr:  
0600 KMOO 96.7 TX Mineola, ID, s/on 290  
ms:  
0614 KTTS 94.7 MO Springfield, ads 615  
1959 WEMut 89.1 MI Ypsilanti, nx 1200

12/14 ms  
0624 WKZYt 97.1 MI Escanaba, partial call  
0632 KNIDt 96.9 OK Enid, OK nx item 480  
0655 WLRWt 94.5 IL Champaign 935  
0656 KTTS 94.7 MO Springfield 615

12/15 ms  
0521 KSLQ 98.1 MO St. Louis, area town  
prior by Es

cont....

12/28 Es cont.  
2008 KVMT 93.7 CA Coachella, Sp. 1070  
2009 KZLA 93.9 CA Los Angeles, wx, ID 1190  
2010 KDOLt 97.7 CA Mojave, m 1200  
2014 KKOS 95.9 CA Carlsbad, ad 1125  
XHQS 95.7 BCN Tijuana, ID, Sp. 1100  
2017 KHAYt100.7 CA Ventura, k 1250  
2020 KZFX 93.5 CA Redondo Beach, ID 1195  
2023 KGB 101.5 CA San Diego, ad 1120  
2024 KPRI106.5 CA San Diego, r  
2029 KUSC 91.5 CA Los Angeles, ID 1190  
2030 KJOK 93.1 AZ Yuma, ID 970  
KECrt 93.3 CA El Cajon, g 1100  
XHTYt 94.5 BCN Tijuana, Sp. 1100

2031 KTIIt 95.1 AZ Yuma, m 970  
2032 KFSD 94.1 CA San Diego, ID 1120  
2033 KLOSt 95.5 CA Los Angeles, r 1190  
2034 KMEOt 96.9 AZ Phoenix, m 855  
2037 KRTHt101.1 CA Los Angeles, r 1190  
2040 XETRA 91.1 BCN Tijuana, ad, Eng. 1100  
2041 KPFK 90.7 CA Los Angeles, ID 1190  
2043 KHIS 96.5 CA Bakersfield, g 1250  
2045 XHIS 90.3 BCN Tijuana, ad, Sp. 1100  
2047 KUPDt 97.9 AZ Tempe, r 825  
2048 KNOb 97.9 CA Long Beach, ads, ID, m  
2056 KMET 94.7 CA L. Angeles, ads, ID 1190  
2100 KBEB 98.7 AZ Phoenix, ID 835  
2110 f/out

12/30 - Es 1130-1210 unIDs 88-89's, likely Ohio area  
1/4 - A big Es event but no time to compile the log this close to the deadline:  
1900-2110 MUF to 107.9 loggings in WI, MI, IL, IA  
2235-2255 MUF to 96.7 into Utah  
1/5 - 0000-0005 MUF 89.7, likely into FL

Had some good luck with the Geminid shower, in-state trop not as bad for CCI as in many past events. The Quadrantids peaked in the daylight hours while I was largely busy looking at FM MUF's. Es openings rather few and far between, but tended to be really large when they did show. Will have the Jan. 4 event compiled properly next time. 73, Pat

Rick Sanford, 404 S. McNeill, Burnet, TX 78611 - Dec. 6 to Jan. 6 CST

Equip.: Kenwood KR-5400 rx, Archer 10-31. FM at 24 ft. w/Alliance U-100 rotor; Realistic #12-665 AM-FM port. w/whip.

12/9 tr  
0947 KVLV 107.9 TX Edinburg, m 305  
ex-KESI, one of my most distant year-round regulars.  
1003 KRIX 99.5 TX Brownsville, r 340  
First logging since KISS, San Antonio went full time and to 100 kw--in solid o/KISS as KDUV was o/KZZY  
1005 X??? 93.1 TAM Reynosa, \$ 320  
(new station, no ID, only "Estereo Recuerdo FM en Reynosa"  
1045 XHMS101.5 TAM Matamoros, ID 340  
"La Chica Musical"

12/11 tr  
0959 KHOC 105.5 TX Levelland, k 310  
new station, heard "K-Hock"(for Hockley Co.) instead of call, claimed \$ but too weak to check, KACT Andrews evidently not yet on.  
1007 KOHM 91.1 TX Lubbock, ID, "FM-91" 290

12/19 tr  
0928 WCKW 92.3 LA Laplace, ad 480  
0932 WBYU 95.7 LA New Orleans 500  
0942 KZZQ 94.3 LA Golden Meadow 500  
ad for Lockport, "Z-94"  
0955 WYLD 98.5 LA New Orleans, nx, ID  
"Progressive-98" at 1000, j  
1009 WRPM 107.9 MS Poplarville 530  
promo for Ole Miss-U. of Southern MS (bb?) game w/ID

1/6 Es  
1553 WSGF 95.5 GA Savannah, wx, "95-SGF"  
1602 WBEU 98.7 SC Beaufort, nx  
1605 WXLN 97.3 GA Savannah, ad  
1606 WPXI 95.1 SC Charleston, PSA  
1611 WORC 103.9 SC Orangeburg  
1615 WBBQ 104.3 GA Augusta, ID, wx  
1617 WAUG 105.7 GA Augusta, PSA, ad  
1619 WLOW 95.9 SC Aiken  
1628 WMHK 89.7 SC Columbia  
1629 WMPR 88.1 SC Sumter, net ID  
prev. by tr  
1630 WCCE 90.1 NC Bules Creek  
1635 WGSU 102.3 GA Augusta, k, ID, wx, ad,  
"Big Gus FM," "Metropolitan Country"  
1639 WRNS 95.1 NC Kinston,  
tail end of address for Kinston  
1641 WENC 99.1 NC Whiteville, ad, ID  
1643 WRAL 101.5 NC Raleigh  
1651 WSPF 106.5 NC Bridgeton  
1656 WHPF 95.5 NC High Point  
1659 WFMX 105.7 NC Statesville, NC nx net.  
1700 WTQR 104.1 NC Winston-Salem  
1701 WAZZ 101.9 NC New Bern, "Carolina Country"  
1714 WKTC 104.3 NC Tarboro, ad, ID  
1716 WPEP 97.9 NC Concord, ad, wx, "FM-98"  
1725 WRVQ 94.5 VA Richmond, "Q-94", wx

(This was the first Es heard by this DXer in 152 days, but the opening couldn't be pursued after around 1730, due to the arrival of relatives!)

My DXing efforts during this period were practically nil. While the wx has generally been far from conducive to the development of tropo, I've spent very little time checking for that mode. Es and ms(which could've been good)received even less attention, although I have just had a last-minute skip session which saw the MUF rise to 107.9. It probably would've been fairly productive, had I been able to DX longer.

-cont.-



If anyone has recent Mexican FM info., and knows the call of 93.1 Reynosa, I'd appreciate hearing from you. This station was originally heard back on Nov. 27, but wasn't tracked down at that time for very obvious reasons. Last month I reported hearing WIRB 96.9, Enterprise AL with a "Q-97" promo. Bruce Elving's Dec. column confirmed my suspicions about a call change, as he now has it as changed to WLHQ.

I realize this column concerns itself with FM DX activities, but I'd like to use this space to offer back issues of my South Texas edition of TV Guide to interested WFFDAs. Since I'm not a TV DXer (and have no interest in trading mags), I ask that anyone wanting one send me three uncanceled 15 cents stamps. While the actual postage will not be 45 cents, this will help to defray part of my expenses.

As we begin the new year and decade, I would like to thank editor Danny Buntin for the great job he's doing with the column. Hopefully the new decade will bring our DX renewed prosperity. It won't take much to exceed '78 and '79 levels. (Thanks for your kind words. DB)

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - Dec. 30 to Jan. 9 CST  
 Equip: Pioneer TX-9100 tuner, Antennacraft 10-el. antenna, 35' high with rotor.

12/30 tr	1/6 Es, cont.
2004 KASX 96.7 OK Ada, ad	1706 WQIK 99.1 FL Jacksonville, ID, ad 990
"American Top 40"	1707 WDMG 99.5 GA Douglas
	1715 WKUE 92.7 FL Green Cove Springs, ID
1/6 Es	1719 WBKF 92.1 FL Macclenny, k
1538 WAFG 90.3 FL Fort Lauderdale	1720 WJAX 95.1 FL Jacksonville 990
1600 WRNE 89.3 FL Boynton Beach	1746 WOOK 100.3 DC Washington, "OK 100", rs
1605 WIMI? 93.1 FL Miami, c, tent.	1754 WPJS 106.7 SC Orangeburg, r 920
1612 WFLA 93.3 FL Tampa, ID	1758 WETA 90.9 DC Washington 1105
1623 WGLO 106.7 FL Miami, wx	1759 WMFR 88.1 SC Sumter
1625 WRBQ 104.7 FL Tampa, wx	1800 WPFW 89.3 DC Washington 1105
1630 WLLV 107.1 FL Melbourne	1800 WXYR 93.5 SC Columbia, ID 820
1633 WIRK 107.9 FL West Palm Beach, 1200	1803 WFLS 93.3 VA Fredericksburg, wx
"FM 108, the country K", ad	1804 WGRQ 96.9 NJ Atlantic City, wx 1250
	1808 WHSL 97.3 NC Wilmington, k, ID, wx 1110
1635 WTRS 102.3 FL Dunnellon, wx	1810 WFVA 101.5 VA Fredericksburg, r
1638 WQYK 99.5 FL St. Petersburg-Tampa	1825 WKHI 99.9 MD Ocean City, "KHI", r 1220
1640 WSRZ 102.5 FL Sarasota-St. Petersburg	1827 WHRA 105.9 VA Woodbridge, nx 1085
1642 WSHE 103.5 FL Ft. Lauderdale-Miami, ad	
1651 WBLE 105.9 FL De Land, k	1/8 tr
1700 WPXE 106.3 FL Starke, ID, Mutual nx	2320 KGOK 98.7 OK Pauls Valley, new on air
1705 WIYD 99.9 FL Palatka, "Wide Country"	m, "home of adult listening", excellent IDer

When doing some work outdoors I had to come in to escape a fresh Arctic blast and got warmed up better than I expected when I discovered a fine summer-like E-skip opening emanating from Florida, the 6th of Jan. It was by far the best DX I've heard since June of '78. In fact, I logged more DX in just this three hour session than what I accomplished in all of disastrous '79. When it concluded I noticed to my surprise that Florida is about to overtake Texas as by best DX state. Does't it seem rather ironic for your best DX state to be a half-continent away rather than a large neighboring state? So I seem to be overdue for some trop from Texas. The skip picked a good time to come. Two weeks prior, I finally got around to reinstalling my antenna system. Since then I've been learning to what extent my new location affects reception. Skyline St. runs across the top of a small ridge. Only a few other areas in town are higher. Advantage of height over my former low lying location is reflected in 1+ increases in S meter readings from many not so strong stations. Now twice as far from the locals, so overloading is well reduced. Repeats only appear when antenna aimed SW and they don't return when antenna is aimed NE. By the way, the Realistic rotor I use is plagued by the same trouble Gleen Hauser related about in the October VUD. My rotor can't travel between SSE and SSW. A solution from any of the readers would be appreciated. Meanwhile, I'll ask the company. Oklahoma's mightiest FM, KLUP Poteau, 100kw, 2000'(ex KILCO) was recently sold for only \$700,000. The new owner changed format to "first in gospel country" and soon went 24 hr. Situated on Oklahoma's grand Kiamichi Mountain country, Poteau also has claim to the second strongest station in OK, and I find kinda funny how one of the smallest towns in the state served by FM manages to pull that off. KTIM 98.9, Okla. City recently sold and went off the air to be back on in March. It's nice to see 98.9 wide open again though I already logged most other nearby stations on that freq. so hoping for some long range stuff. 73

#####

# EASTERN TV·DX

ROBERT KRAMER  
 3406 W. Pierce  
 Chicago, IL 60651

FEBRUARY 1980

DEADLINE: 5th

If possible, get your reports to me before the deadline. I will be moving, probably in early February, so some reports may be delayed. Unfortunately, I don't have the slightest idea of my new location. There is even a slight chance that Eastern TV won't appear in March, depending on when I have to leave my present home.

Well, those of you who have said, "Now I've seen it all", as a result of the tropo of the past 2 years, you need to say it again. The period of December 27- January 1 was one of great tropo, some of the best your editor has ever seen. Unlike the tropo that usually occurs in December, localized ducts, this opening was widespread, resembling a September or October opening. Bob Goodman, Bob Langridge and myself have many excellent loggings from MO, IA, OH, KY, ON, NY, PA, IN, & WV. In addition to the tropo, there was a good Es opening on Jan. 6, getting well into the FM band (so Mike Hogan informed me).

Jeff Wolf 1131 University Blvd. W. Apt. 701 Silver Spring, MD 20902 (EDT/EST)

MAY	8 Tr 0916 WCCB-18 NC 332	16 Tr 1023 UnIDed-44, Xlating
28 Tr 2144 WFMZ-69 PA 134	Charlotte	WKBS-48 (nothing listed in ALTR Guide, ed.)
Allentown	0925 WUMB-2 NC T	1300 WXII-12 NC 263
30 0734 W81A-L-81 VA 88	1000 WRDN-12 GA 474	1329 WCTI-12 NC 269
Heathsville	Augusta	1410 WPTF-28 NC T
June	1140 WXII-12 NC 263	1613 WPTF-28 NC
2 Tr 1508 Philly & NJ 23,	9 0725 WTVB-11 NC T	1643 WTVB-11 NC 246
52, except 6	0744 WPTF-28 NC 251	1653 WUMB-2 NC 219
Es 2100 KORT-3 OK 1035	UnIDed 33, ø	1725 WDBJ-7 VA T
Tr 2333 W74AU, W79AX	WITF	1732 WSET, WVEC
both Xlating	Es 0801 KCKT-2 KA T	1806 WVPT-51 VA
WNJS-23, WCVB off	1938 WTHS-2 FL T	1900 WSIS-10 VA 226
2344 WXTV-41 NJ 196	1945 Cuba-2 T	W67AF-67 T
3 0043 WPTF-28 NC 251	Tr 2144 WPCB-40 PA T	2110 WXTV-41 NJ 196
0126 WCTI-12 NC 269	Es 1700 KARD-3 KS 1050	2220 WNJT-52 NJ 152
0933 WCTI-12 NC 269	1756 KCKT-2 KS 1100	2238 WJZU-47 NJ 200
"Like a local"	2010 Cuba-3	Newark
1456 WHRO-15 VA	2035 Cuba-2	2243 WNYC-31 NY T
Es 1755 Cuba-2	13 1906 KFDX-3 TX 1183	2245 WYJB-58 NJ 172
2100 WDIQ-2 AL	1909 KTEM-2 OK T	2246 WYJM-50 NJ 195
5 Tr 0516 WNET-9 NC T	2138 KPRC-2 TX	2250 WLVJ-21 NY 218
0541 WCBS-2 NY 200	14 2030 Cuba-2 T	Plainview
0900 WLYH-15 PA 89	15 Tr 2155 WCTI-12 NC T	0000 W48AA-48 WV 114
Lebanon	2225 WNJT-52 NJ T	Keyser
WNEP-16 PA 46A	2310 WPTF-28 NC 251	0006 WTAF-29
Scranton	16 0116 UnIDed-15 CBS	0123 WYTV-33 OH 238
0904 WWTB-12 VA	0144 WTPA-27 PA	0126 WPTT-22 PA 172
"Like a local"	0155 WBRB-28 PA T	Pittsburgh
0917 WQUC-44 OH 236	0216 WQAL-8 PA T	0133 WKBS-27 OH 238
Cambridge	0232 UnIDed 7 NBC	Youngstown
0936 WTVB-11 NC 246	0241 WSIS-10 VA 226	0138 WPCB-53 PA 187
0950 WVEC, WSET	0244 WDBJ-7 VA 226	WPCB-40 PA 173
1005 WXII-12 NC T	WNCT-9 NC T	0141 WTV-9 OH 217
Es 1654 UnIDed 2, 3/4	0248 WOR-9 NY 200	Staubenville
CB	0259 WPIX-11 NY 200	0202 WOR-9 NY 200
6 Tr 0025 WTPA-27 PA	0503 WXII-12 NC 263	0203 WVIC-11 PA 186
7 Es 2030 KPRC-2 TX	0536 WGHF-8 NC 268	Pittsburgh
2044 KATC-3 IA 1000	0601 WCBS-2 NY 200	0212 WPTX-11 NY 200
8 Tr 0003 WPTF-28 NC	0613 WABC-7 NY 200	0240 WNEC-4 NY 200
0746 WJWJ-16 SC 488	0622 WTVB-11 NC 246	New York
Beaufort	0632 WRBT-36 NC 332	0245 WTAE-4 PA T
0754 WJPM-33 SC T	0653 WRK-35 SC 409	0251 WCBS-2 NY 200
0757 WJCL-22 GA T	WJPM-33 SC 358	0259 WJIA-44 PA 160
0800 WRK-35 SC 409	WRJA-27 SC 402	Scranton
0809 WRBT-36 NC 332	Sumter	0313 WABC-7 NY 200
0829 WPTF-28 NC	0837 W67AF-67 VA 133	0316 WVIT-30 CT T
"Like a local"	Staunton	0826 WCTI-12 NC T
0833 WTV-11 NC 246	WVIR XLTR	0835 UnIDed 33 PBS
0905 WSET-13 VA	0851 WNSC-30 SC 369	0840 WPTF-28 NC 251
0906 WBEA-14 SC 476	0908 WSET-13 VA	0900 WTVB-11 NC 246
Allendale	0922 WTVG-68 T	22 Es 0222 UnIDed ABC, S/off
0907 WUNG-58 NC T	0924 WPTF-28 NC 251	
	0934 WRBT-36 NC	

Table listing radio frequencies and call signs for 'JEFF WOLF cont'. Includes stations like WSET-13 VA, WPTF-28 NC, WIVD-11 NC, etc.

"On June 16 at 0036 EDT, local WJZ-13 (ABC) had NBC's Tonight Show on for a few seconds. Wonder if the whole ABC network carried the wrong feed."

Table listing radio frequencies and call signs for 'Steven Sprachman 3939 Eve Drive Seaford, NY 11783 (EST)'. Includes stations like WEDU-3 FL, WTVJ-4 FL, etc.

there was nothing in the newspaper. Present broadcast schedule: 8 AM - 3 PM Sat, Sun 7 PM-Midnite weeknights. Present programming- old movies, local interview shows, news, cartoons roller derby and wrestling. The programming has changed much since they were on in 74,75. The signal is much clearer. I get a perfect picture. I guess they are using full power-5000 kw. STV is to start in January. W60AI is off needs a little clarification. W60AI is WWHT's translator on the World Trade Center. The FCC has told WWHT that it can only operate W60AI during its STV schedule. I've never heard the FCC ever telling a station that it can only operate during part of its broadcasting schedule. To the FCC, I ask "why?"

Table listing radio frequencies and call signs for 'DAVE MOODY 886 Bertha Ave Lot 12 Portsmouth, OH 45662 (EDT/EST)'. Includes stations like WNDU-16 IN, WAND-17 IL, etc.

"Equipment: A 4 bay UHF screen and Wingard preamp at 560' and preamp at 300' and General Electric 19" color set. The University operates a system at 420' exclusively to receive channel 34, but only strong DX signals are able to get through. WPBO has an ERP of 525 kw and an overall tower height of 953'. We are primarily a satellite station carrying parallel programming of parent station WOSU-TV. We receive our programming by way of 4 microwave repeaters placed along a distance of 125 miles. WOSU is located in Westerville, OH and has a 1124' tower and an ERP of 1.175 Mw. The studio is located on the OUS campus in

Dave Moody Cont' Columbus. My antenna is located on the WPBO tower at 560' and is aimed due west and is a 4 bay bow screen. At the moment I have a severe overloading problem on VHF due to the added gain of 2 GA-8700 Winegard preamps, but no problem on UHF (you wouldn't say that if you lived in Chicago. My pre-amp is useless most of the time, hi ed.) When I have some extra money in the budget I will solve the problem. Before I added the second amp (at 300' in order to overcome UHF line loss) I received a station on each channel of the VHF band except 11. On UHF I normally receive about 11 stations and 1 translator most of the time. The Ohio State University operates: Channel 34 in Columbus, Channel 42 in Portsmouth, W47AB in Mansfield, 1000 Watts, 373' tower & W31AA in Newark."

Table listing radio frequencies and call signs for 'Robert S. Ross VE3JFC Box 4373 Stn. C London, ON N6W 5J2 (EST)'. Includes stations like W0018 WDHO-24 OH, W0020 WLIO-35 OH, etc.

Robert Goodman 5129 W. Roosevelt Rd. Apt. B7 Cicero, IL 60650 (CDT/CST) Doctor Duck reports the following: "Warning there are GECKOS". This warning should be disregarded. How can anything that spelled backwards is SOKCEG be dangerous? One should continue to be on guard against attack by llamas though.

Table listing radio frequencies and call signs for 'August', 'September', 'October', 'November', 'December'. Includes stations like W27 Tr 2100 WTHR-13 IN, W28 Tr 1930 WCET-48 OH, etc.

finally cooked out for good this time (tuner shot), so the Sept. 29 logging was by my CB-8 multiband receiver. Actually the CB-8 surpasses TVs for audio on chs. 14-20 (shared by business & other utility). French and British audio (also via CB-8) was a regular here this fall, dying out late in December. At times I think I heard 2 French offsets, but I haven't IDed separate stations. Surprising conditions at year end produced great ducting, plus dense fog covering a huge area. WLIO-35 engr. on duty was listening to IL ham 2m repeaters. When I tuned in, local 2m jabber was about the TV CCI & DX. And both ham (bacons too, ed.) and TV weather reporters everywhere were talking about the fog. All 73."

Mike Hogle 6th trail along jungle route 4, Manaus, Brazil 64721 Mike is in Brazil hunting llamas, thus no report this time. Keep us posted on your success Mike, ed.

Table listing radio frequencies and call signs for 'Roger Kluggermaninoffersteinowiczson 3406 W. Pierce Chicago, IL 60651 (312) 235-5188'. Includes stations like B14 F2 1128 BBC1-B1 WI, B11 F2 0940 FT-1-F2 France, etc.

Robert Kramer Cont'

December  
 28 Tr 0107 KRCC-13 MO 335  
 0135 KEYC-12 MN 363  
 WTCN-11 MN 360  
 0425 KMA-41 MO 424  
 0437 WHIO-7 OH 237  
 WKRF-22 OH 237  
 0445 WKRC-12 OH 230  
 0448 WBS-10 OH 280  
 0504 WKX-19 KY 257  
 0533 WHD-13 IA 314  
 0609 KSIN-27 IA 462  
 0709 KYIN-21 IA 335  
 1350 KHIN-36 IA 398  
 WCET-48 OH 250  
 WBTI-64 OH 250  
 Cincinnati  
 1447 KYIN-24 IA 307  
 WKRF-22 OH 237  
 WOSU-34 OH 280  
 1643 WUSI-16 IL 219  
 "Local Grade"  
 1650 KDNL-30 MO 265  
 1715 WDHO-24 OH 220  
 WKRF-22 OH 237  
 1717 WTIU-30 IN  
 KHIN-36 IA 398  
 1727 KSIN-27 IA 462  
 K33AA-33 IA 258  
 KRIN-32 IA 240  
 "nearly even W/  
 WFID 3 mi. away  
 1734 WCET-48 OH 250  
 WIPB-49 IN  
 WKON-52 KY  
 WKMJ-68 KY 277  
 1737 WFB-42 OH 330  
 Portsmouth  
 1744 WCVN-54 KY 257  
 Covington  
 1748 WDRB-41 KY 277  
 1811 KMG-14 IA 462  
 Sioux City  
 1821 WKBD-50 MI 240  
 WTVS-56 MI 240  
 "Both local  
 grade off back  
 on antenna"  
 1822 KIIN-12 IA 203  
 KSIN-27 IA 462  
 "Snow Free"  
 1856 WVUT-22 IN  
 1921 CICO-59 ON 287  
 1922 WGVN-54 KY 257  
 "Snow Free"  
 1953 WKYT-27 KY 314  
 WFIE-14 IN 267  
 WKZT-23 KY  
 2010 CKCO-42 ON 260  
 2026 WKPC-15 KY 277  
 2102 WKGB-53 KY 330

28 Tr 2130 WEHT-25 IN 267  
 2145 WTVQ-62 KY 314  
 2155 WKMA-35 KY 320  
 2235 WSIU-8 IL 302  
 Carbondale  
 2242 KRCC-13 MO 335  
 29 0014 CICO-59 ON 245  
 WLKY-32 KY 277  
 0027 WLIO-35 OH 200  
 "Local Grade"  
 0102 WLEX-18 KY 314  
 0143 CKGN-29 ON 260  
 KPLR-11 KY 265  
 "Local Grade"  
 0205 WHAS-11 KY 277  
 "Snow Free"  
 0234 WOVK-13 WV 370  
 0240 WTVG-13 OH 220  
 0305 WAKR-23 OH 307  
 0444 WDHO-24 OH 240  
 CKGN-29 ON 260  
 "Local Grade"  
 KMA-41 MO 424  
 CKCO-42 ON 260  
 0457 WKX-19 KY 257  
 0510 KGGI-8 IA 315  
 WTOL-11 OH 240  
 0515 WTVQ-62 KY 314  
 0517 WUAB-43 OH 293  
 0528 WOVK-13 WV 370  
 WKON-20 MI 240  
 "Local Grade"  
 0600 WTVG-13 OH 220  
 WAKR-23 OH 307  
 WKYT-27 KY 314  
 0608 WFIE-14 IN 267  
 WEHT-25 IN 267  
 0613 WKYH-57 KY 398  
 Hazard  
 0614 WKBD-50 MI 240  
 WTVS-56 MI 240  
 "Both Local"  
 0642 CBLFT-48 ON 287  
 CBLFT-40 ON 338  
 CICO-32 ON 245  
 CICO-59 ON 287  
 0652 WCMU-14 MI  
 KDNL-30 MO 265  
 WLEX-18 KY 314  
 0718 W39AA-39 IN 145  
 WTIU-30 IN  
 WBGU-57 OH 200  
 0720 WKYT-27 KY 314  
 0731 CBEFT-78 ON 245  
 0805 W63AH-63 OH 225  
 Maplewood  
 XLTR WPTD  
 Note call, not  
 W63AB as listed  
 in XLTR GUIDE  
 WGPR-62 MI 240

29 Tr 0835 WPTD-16 OH 237  
 Kettering  
 CBLFT-9-68 ON 260  
 1551 W63AH-63 OH 225  
 1614 Detroit U's  
 "Snow Free"  
 1640 WGTB-30 OH 220  
 1702 WQLN-54 PA 398  
 1757 WLIO-35 OH 200  
 2140 WUSI-16 IL 219  
 2214 WPGH-53 PA 418  
 30 0055 CICO-59 ON 287  
 CBLFT-3-48 ON 287  
 0108 CBEFT-78 ON 245  
 0837 WPGH-53 PA 418  
 0842 WPTT-22 PA 418  
 Pittsburgh  
 0846 W63AH-63 OH 225  
 0849 WHHO-45 OH 346  
 Alliance  
 1004 WPCB-40 PA 418  
 Greensburg  
 1014 WUAB-43 OH 293  
 1252 CBLFT-3-48 ON 287  
 1257 WKX-19 KY 257  
 31 0409 WKRF-22 OH 237  
 WUAB-43 OH 293  
 0444 WHHO-7 OH 337  
 0517 WHAS-11 KY 277  
 WLKY-32 KY 277  
 0520 JXIX-19 KY 257  
 0622 KDNL-30 MO 265  
 1618 Detroit U's  
 WEHT-25 MI 222  
 1707 CBLFT-25 ON 440  
 CFMT-47 ON 440  
 WCET-48 ON 250  
 1714 CICA-19 ON 440  
 1731 CKGN-22 ON 452  
 1805 CKCO-13 ON 390  
 1808 CBLFT-40 ON 338  
 1816 WUTV-29 NY 460  
 Buffalo  
 1825 WGTB-30 OH 220  
 1916 CBLFT-1-76 ON 390  
 CITY-79 ON 440  
 1925 WDHO-24 OH 220  
 2049 CICO-28 ON 390  
 2051 WQLN-54 PA 398

January

1 Tr 0654 KDNL-30 MO 265  
 4 Es 1706 WJXT-4 FL  
 1759 WEAR-3 FL  
 1938 KIII-3 TX  
 KGBT-4 TX  
 5 Es 1557 KENW-3 NM  
 1625 KACB-3 TX  
 1800 WEDU-3 FL  
 KATC-3 IA  
 6 1816 WJXT-4 FL  
 WDBO-6 FL T

Bob Langridge Box 1014 Durant, IA 52747 (CDT/CDT)

August  
 2 Tr 0655 South Bend's  
 0743 WGVG-35 MI  
 0859 WFIE-14 IN  
 W49AA-49 IL  
 WBBW-55 IL  
 4 0759 WFFT-55 IN  
 0801 WPTA-21 IN  
 WKJG-33 IN  
 5 0759 KTVJ-16 MO  
 0800 KMEG-14 IA  
 WFIE-14 IN  
 0829 KMTS-27 MO  
 0858 KTSB-27 KA  
 6 2045 WUAB-43 OH  
 WAKR-23 OH  
 WMAA-29 MS  
 WAPT-16 MS  
 2301 WNEO-45 OH  
 7 2159 WBBW-55 IL  
 W49AA-49 IL  
 2359 WVUT-22 IN  
 8 0002 KLMN-24 AR  
 September  
 1 Es 1729 WCBD-2 SC

3 Tr 0900 WBBW-55 IL  
 2130 South Bend's  
 Chicago U's  
 Ft. Wayne's  
 4 0713 WCAB-50 IN  
 1943 WDHO-24 OH  
 CKCO-3-42 ON  
 2048 WCPB-62 MI  
 Detroit U's  
 2138 CBEFT-78 ON  
 2207 WGTU-29 MI  
 WKON-20 MI  
 2259 WQLN-54 PA  
 2049 WKYH-57 KY  
 2059 WKON-52 KY  
 10 0733 WCET-48 OH  
 November  
 25 Tr 0900 Rockford U's  
 to Peoria U's  
 1155 Chicago U's  
 Battle Creek U's  
 KERA-7 MO  
 WGBH-10 IL

December  
 9 Tr 0759 KTVI-2 MO  
 1055 Kansas City U's  
 1945 Ft. Wayne U's  
 Detroit U's  
 2005 WAFP-48 AL  
 2029 WBMG-42 AL  
 28 1006 WBTI-64 OH  
 1235 WKRF-22 OH  
 1430 WFFT-55 IN  
 WBGU-57 OH  
 1859 WKMJ-68 KY  
 1903 WKON-20 MI  
 1959 WMB-40 IN  
 2159 WCVN-54 KY  
 WKON-52 KY  
 WKON-38 KY  
 W63AH-63 OH  
 XLTR WPTD-16  
 2259 WPTD-16 OH  
 WPTD-14 OH  
 2302 WDBO-41 KY  
 2330 WLIO-35 OH  
 2354 Ft. Wayne U's  
 29 0201 WAKR-23 OH  
 1225 WBTI-64 OH

"Equipment: 1974 Admiral 16" B&W TV, Finco P-5 UHF antenna, Homemade VHF yaq, winegard AC-4990 UHF Preamplifier. Had some real good tropo on the 6th-8th of August, the 4th-10th of September, and the recent 27th-29th of December opening. The biggest surprises to me were receiving WAPT-16, WMAA-29, KLMN-24, WQLN-54, W63AH-63, WAFP-48, WBMG-42 and especially WBTI-64. I was quite fortunate to receive WBTI-64 snow-free. They were broadcasting spot messages to introduce their new station such as: A NEW U.H.F. TV STATION IN TOWN? YOU BET WBTI CH 64 64 CINCINNATI, OH; HAPPY NEW YEAR WBTI TV 64 CINCINNATI, OH. This was accompanied by a test tone. One final note: My uncle visited us from Oklahoma City and says that KMG-34 is on the air with old movies and such. This ought to be a good target for south central and southeast DXers. 73's and good DX to all. Bob."

# STATION BREAK

e/o Bill Thompson  
 1907 Seneca Street  
 Buffalo, NY 14210

WTFDA member ads only. 3 line or 30 word limit.

FOR SALE - Heathkit AJ-15 tuner, recently realigned by Andy Bolin, in good condition. Has been used for some fine FM DX. \$250.00. Richard E. Wood, 1943 Carolina Lane, Cape Girardeau, MO 63701. Phone 334-335-0915 (net collect).

WANTED - Following coils for National HRO receiver: type J - 50-100 kHz; type H - 100-200 kHz; type G - 180-430 kHz; type F - 480-960 kHz. Also need the 2 springs from the main tuning dial which controls the readout and gear mesh. Robert S. Ross, Box 4373, Stn. G, London, Ontario, CANADA N5W 5J2.

Your non-commercial ad can appear in the VUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

"The WBTI logging of 12/28 was really strange. The signal would be gone when I pointed the antenna towards Cincinnati, but would be in fair, but ghostly with the antenna aimed NE. The big tropo opening netted me 18 new stations, numerous new audio tapes, & many new stations photoed (I shot 10 rolls of film). The highlight of the opening was WPTT-22 supering through WSBT (about 88 miles in the exact same direction). When WSBT went to black, I got a real good photo of WPTT's ID slide. Boy Murphy fell asleep on that one. W63AH was really in good. They must be directional right at me. W39AA was in quite well too, even with WQRF on. Well gotta go, llamas are attacking my eastern flank.

# WESTERN TV-DX

February 1980

This month there are seven reporters with four of the reports indicating above average UHF tropo around Christmas and a report for Dyer including the results of Geminids meteor monitoring. I missed the Christmas tropo, but I do have some DX to report for the first time in several months with the first Es of 1980.

New      New Mode      Tentative - t      Unidentified - unid

Paul Mitschler, 2324 Winterwood Lane, Topeka, KS 66614      CST: 1-4,11-12      CDT:6-9

**January 1979**  
 30 Es 1100 CKSO 3 ON 1000 10 tr 0620 WMBD 31 IL 339  
 25 Es 0730 KORK 3 NV 1061 **July**  
 7 Es 0945 unids se, 2-CBS  
 3-CBS, 3-NBC, 6-NBC, 3-PBS  
 3-sp. cartoons from s  
 10 Es 1830 WFMt 2 NC 867  
 WUNgt 4 NC 944      0700 KDUB 40 IA 356  
 15 Es 2210 KCBI 2 ID 1094      0710 KRIN 32 IA 317  
 KID 3 ID 894      22 tr 0740 KTEJ 19 AR 317  
 16 tr 0755 WLF1 18 IN 472      29 tr 0755 WMBD 31 IL 339  
 0810 unid PBS on 20      WEEK 25 IL 339  
 Es 0830 WSAV 3 GA 939      WKgt33 IN 556  
 0900 WGR 2 NY 922      KDUB 40 IA 356  
 0930 CKVR 3 ON 833  
 1000 WWAY 3 NC 1027  
 WUND 2 NC 1027  
 WWAY 3 NC 1027  
 24 Es 1800 WUND 2 NC 1027  
 WWAY 3 NC 1027  
 29 Es 1230 WESH 2 FL 1072  
 1600 unid Canada - 4  
 1800 XEFB 3 NL 994

**February**  
 26 tr 0635 K24AC 24 NE 73  
 KMEG 14 IA 250  
 KBIN 32 IA 161  
 KHIN 36 IA 150  
 KTVJ 16 MO 160  
 KTVP 29 AR 211  
 KLMN 24 AR 211  
 KHNE 29 NE 211

**April**  
 22 tr 0700 KDNL 30 MO 283  
 23 tr 0732 KTYN 21 IA 261  
 KYIN 24 IA 311

**June**  
 3 tr 0725 WMBD 31 IL 339  
 WEEK 25 IL 339  
 WRAU 19 IL 339  
 WICS 20 IL 322  
 WICD 15 IL 417  
 5 Es 1030 X7?? 3 ? ?  
 11 Es 0930 WEAR 3 FL 756  
 1000 WESH 2 FL 1072  
 WEDU 3 FL 1080  
 1100 WBRZ 2 LA 644  
 13 Es 0930 X7?? 3 ? ?  
 14 Es 0900 X7?? 2 ? ?  
 18 Es 1700 CKCK 2 SK 900  
 1730 KRTV 3 MT 967  
 19 Es 1845 KUTV 2 UT 861  
 KID 3 ID 894  
 CFCnt 4 AT 1222  
 1945 KCBI 2 ID 1094  
 20 tr 0730 KRIV 32 IA 294  
 Es 2130 WEAR 3 FL 756  
 23 Es 1930 KTVN 2 NV 1267  
 2035 KCBI 2 ID 1094  
 24 Es 1955 (MUF ch 7)  
 1958 WFMt 2 NC 867  
 WSJK 2 TN 728  
 WRCBt 3 TN 617  
 25 Es 0905 WCBS 2 NY 1133  
 0945 XHR10 2 MX 833  
 28 Es 0940 WESH 2 FL 1072  
 tr 2000 KID 3 ID 894  
 2110 KCBI 2 ID 1094  
 29 Es 0855 KYW 3 PA 1089

**August**  
 2 Es 1900 WESH 2 FL 1072  
 5 tr 0745 WEEK 25 IL 339  
 WICS 20 IL 322  
 KDNL 30 MO 283  
 KMEG 14 IA 250  
 6 tr 0645 KIIN 12 IA 294  
 KYNE 26 NE 160  
 tr 0728 KTIN 21 IA 261  
 KMEG 14 IA 250  
 WICS 20 IL 322  
 11 Es 2100 KTVQ 2 MT 805  
 KRTV 3 MT 983  
 KXLF 4 MT 983  
 KFBbt 5 MT 983  
 KID 3 ID 894  
 2230 KCBI 2 ID 1094  
 2300 KUTV 2 UT 861  
 15 Es 0855 WPBT 2 FL 1267  
 unid sp on 2 se  
 tp on 3 se unid  
 20 tr 0740 KDUB 40 IA 356  
 26 tr 0630 WMT 2 IA 294  
 KMTC 27 MO  
 WICS 20 IL 322

**September**  
 10 tr 0620 WFLD 32 IL 456

Paul Mitschler, 303 South 4th, Marysville, KS 66508      CDT

**June 1979**  
 8 Es 2000 WUFT 5 FL 1111  
 2200 WCTV 6 FL 944  
 2230 WDIQ 2 AL 816  
 9 Es 2145 KTVQ 2 MT 722  
 9 Es 2145 CFAC 2 AT 1139  
 CKCK 2 SK 839  
 2400 KATU 2 OR 1371

Western TV DX

February 1980

Paul Mitschler (continued)

**August 1979**  
 7 Es 1830 WTAR 3 VA 1106  
 1930 WPBT 2 FL 1344  
 WESH 2 FL 1144  
 tr 2120 WLExt18 KY 667  
 WDRBt41 KY 583  
 WKSO 29 KY 678  
 WKMt21 KY 478  
 WKPt19 TN 750  
 WKPt15 KY 589  
 2130 WKGB 53 KY 578

7 tr 2130 WKHA 35 KY 733  
 WLKY 32 KY 589  
 KDNL 30 MO 339  
 WKPt22 KY 750  
 WEHT 25 IN 516  
 WKZT 23 KY 611  
 WFIE 14 IN 506  
 2230 WKYT 27 KY 667  
 WUSIt16 IL 394  
 17 tr 0707 KMEG 14 IA 189  
 KSIN 27 IA 189

**September**  
 1 Es 2100 KOAI 2 AZ 872  
 2 tr 1115 WICS 20 IL 361  
 WEEK 25 IL 367  
 WEHT 25 IN 516  
 K24AC translatr  
 with KTVH Hut-  
 chinson, not  
 normal KUON

This is my first report to the club. I have been into TV-DX since 1955 when I noticed a skip from WMAR in Baltimore. My station reports will be from two locations since I travel a lot during the summer between Marysville and Topeka. I am a teacher with Topeka Public Schools so my winter months are mostly here. In Marysville, I have used a 7' dish with a Winegard UHF preamp (AC-0495) to a Blonder converter that has been modified with a micrometer dial that works great in changing from one channel to another. From the converter, I split the signal to my 9" Zenith b&w and to a Mezzor field strength meter. I have been working with signal levels and atmospheric conditions for the past three years and have ended up with so much data I got a computer to handle the data statistically. For Es conditions, I have a channel 2 Winegard for monitoring low band VHF. In Topeka, I use a small 20' mast with a cheapie Radio Shack VU antenna with a modified broadband amp on the antenna. I am also a photography buff and I keep a 35mm camera pointed at the TV during measurements. I usually record the levels of all UHF stations that appear during the early mornings before I leave for work. I have a tremendous amount of signal measurements particularly from Marysville. Up until this year, I had used Weatherwise for daily maps to correlate frontal patterns. I also use local satellite pictures available on most weather programs. If anyone in the club is interested in getting copies of my data from 1976-1979, feel free to write me.

With respect to 79, I found the Es in general down from previous ones, but it brought in more UHF stations possibly because of my 45' tower and parabolic dish. I have a real problem with spanish stations; I get a lot of them, but it is rare that they get ID'd as my data shows.

The UHF loggings that appear repetative are loggings on dates with unusually high signal levels.

Joe Markewicz, 524 N. Oakbend Drive, Ste 305, Duluth, MN 55811

After arriving in Duluth two years ago, I figure its about time I sent in a report. Not much DX'ing has been accomplished from here due to the fact I'm away more times than I'm here. Numerous stations have been logged in the 200 mile range, but nothing too spectacular. December 9 was a rather good day for tropo with the best logging being KCRG Cedar Rapids IA on channel 9 after KMSP signed off at 0230. At my old location at Camp Morton, Manitoba a quick check found a new CBWFT on ch 21 from Brandon, and another CBWFT on ch 11. With the local signal and direction, I thought it might be from somewhere on the eastern side of Lake Winnipeg. (You are correct, it is CBWFT6 at Pine Falls, fm) Also, CKYA-8 from Fisher Branch is a new one which destroys the reception from WDAZ-8. Finally, I had no trouble finding CKYD-12 Dauphin and CKYB-4 from Brandon. It's good to see that Manitoba still has another active TV DX'er. After all those years in Manitoba, I still could not compete with some of his excellent loggings.

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228      CST

Equipment: 1976 9" Penncrest b&w, Archer V-100 & 8-bay bow-tie UHF array at 20'

**December 1979**  
 5 Es 1650 WPBT 2 FL 1150  
 1655 WTVJt 4 FL 1150  
 1700 WCIXt 6 FL 1150  
 1729 WEDU 3 FL 985  
 1740 WPTVt 5 FL 1150  
 WDBot 6 FL 1150  
 (MUF 98.7 @ 1742)  
 1850 WJXTt 4 FL 1015  
 1859 WDIQ 2 AL 730  
 WTVYt 4 AL 795  
 1958 WSAZ 3 WV 1100  
 1959 WNGE 2 TN 820  
 2145 WCCOT 4 MN 1110

2 Es 0920-0930 unid 2 nne  
 1855-1920 unid 2 n  
 1929 KTVQ 2 MT 1245  
 2002 KDIXt 2 ND 1225  
 2020 KMTVt 3 NE 830  
 2029 KTWO 2 WY 1015  
 2100-2120 lull, f/ot  
 4 Es 2120-2130 unids 2 sp  
 5 Es 1515 Cuba 2 tp  
 1535 Cuba 3 tp  
 1555 f/out  
 1650 unids 2

5 Es 2150 KTCA 2 MN 1110  
 2225 apx f/out  
 7 Es 1055-1230 unids 2-5  
 spanish to s  
 (MUF 89.7 @ 1059)  
 11 0544:45 KSDX? 5 MO  
 (KSD's new call ?)  
 (their call is KSDK,  
 I assume you saw it.)  
 12 0542:10 unid 5 MO  
 0553:30 local 5 s/on  
 0556:10 WMT 2 IA  
 Es 2100 KDKat 2 PA

Pat Dyer (continued)

December 1979 16 ms 0601-0604 WCIA-3 IL 27 Es 1358 Cuba 3 tp  
 12 Es 2112 WSAZ 3 WV 1100 (super burst 935 mi)  
 2118 WCBdt 2 SC 1120 Es 1830-1845 unids 2-5  
 2135 f/out 1845 KLNET 3 NE 785  
 (MUF ch 4 @ 2115) 1903 KTWO 2 WY 1015  
 1945 likely some ch2  
 13 0455:30 KCMO 5 MO 700 CCI from xltrs  
 0540 local 4 s/on 2005 f/out 1630 f/out  
 0553:20 local 5 s/on 1950 KOAT 4 CO 810 1700-1815 unids 2  
 0550:35 KKOO? 5 1920 KWGNT 2 CO 310 28 Es 1855 KNXtt 2 CA 1190  
 0557:30 WMT 2 IA 945 1900 KORKT 3 NV 1050  
 0604:30 KTEW 2 OK 485 17 Es 0720-25 WPBtt 2 FL 1900 KNEBct 4 CA 1190  
 0700:00 KNOP 2 NE 815 20 Es 1930-2005 unids 2,3 north east  
 1900-2200 ms activity 1959 KTVI 2 MO 790 (MUF 107.9 @ 1907)  
 2211:15 WMT 2 IA 945 21 Es 1059 KNOP 2 NE 815 1950 XHBct 3 BCN1010  
 14 0529:55 KCMO 5 MO 700 1104 KMTVt 3 NE 830 1959 XETV 6 BCN1100  
 0546 local 4 s/on 1110 WDAFt 4 MO 700 29 Es 1000-1005 unids 2,3  
 0552:52 local 5 s/on 1115 KLNET 3 NE 785 30 Es 1035 WDTN 2 OH 1075  
 0555:00 WMT 2 IA 945 1200-1300 unids 2 ne 1045 unids 2-6 ne  
 0600:00 KTVI 2 MO 790 22 ms 0017-0018 WNGE 2 TN (MUF 89.7 by 1205)  
 0654:15 KNOP 2 NE 815 23 Es 0345-0855 unids 2,3nw (a stable opening w/  
 15 0525 local 4 s/on 24 ms 0637 WF-- 6 MUF mostly ch 2-3)  
 0642:20 local 5 s/on 26 tr 2105 XETt 6 NL 275 1250 unids 2-4 n  
 0555:20 KSDX? 5 MO? 26 tr 2105 XETt 6 NL 275 1335 unids 2,3 to nw  
 0624:30 KHAS 5 NE 770 XHxt 10 NL 275 1425 KORKt 3 NV 1050  
 0658:10 KNOP 2 NE 815 27 Es 1245-1350 unids 2,3e 1459 KEYT 3 CA 1270  
 (not as active as 14th) 1318 WCBdt 2 SC 1120 KNXT 2 CA 1190  
 16 0530 local 5 on 1354 Cuba 2 tp KNEBct 4 CA 1190  
 0535:40 WDAF 4 MO 700 1510 f/out

Some very good results with the Geminids in spite of the locals coming on before/during the peak time on most days. As usual, a lot of call letter-less tp's and cb's to keep one entertained while waiting for a burst of one with an ID large enough to read!

Es levels up well, but not as overwhelming as some December peaks have been. F2 activity as expected, did decline in the month but still a few good days of watchable 45 MHz BBC-1 ch B1 video (and a few days of 51.75 MHz video, but I've nothing to look at that with, ch B2).

After an interesting Sep, Oct, Nov, the trop conditions in December really fell apart here. 73, Pat, W5IYX

B.W. Battin, 4305 Pitt St., Duluth, MN 55804

CDT

December 1979 27 tr 1232 WIGS 20 IL 500 27 tr 1811 KYFC 50 MO 550  
 27 tr 1222 Chicago U's 1239 KBMA 41 MO 550 (most of the above still  
 1222 Rockford U's 1614 South Bend U's coming in the next day - 28)  
 1232 KDML 30 MO 575 1725 WCAE 50 IN 440

During October and November, there would have been no DX here at all had it not been for F2. English and French TV at 41 MHz were in almost daily. I got nothing above that, however...even when B1 and F2 were really hot.

On December 27th, a true rarity for this part of the world occurred--winter tropo to 575 miles and even a new logging. Around here you can usually close up shop November through April.

May powerful distant signals seek out and find your antennas. Buck

Dave Nordmann, 1110 Ralph Terrace, St. Louis, MO 63117

This is my first report to this column. There was a truly fantastic opening here in the midwest from around 4:00 PM Dec 26 to Dec 29 around 4:00 PM. In all my 10 years of TV DX'ing I've never seen an opening extend for so many days. There were at least 3 channels where I could receive 3 stations simultaneously by using my rotor. My equipment includes a Sylvania 19" color TV with a Winegard antenna (UHF with power amplifier). At one point, I was receiving WUHQ-41 Battle Creek, MI (368 miles) snowfree for 3 hours. Also had WIGS-21, WAND-17, WEEK-25, and WRAU-19 snowfree for 12 hours. For some strange reason, KCPT-19 and KBMA-41 Kansas City came in best when I aimed my antenna east. Somebody explain that to me. Kansas City is 240 miles west of St. Louis. The intensity of the stations listed below was incredible. Hope others cashed in on this unbelievable opening. 73,s

December 26,27,28,29: WFIE-14 IN 109, WIGS-21 IL 158, WUSI-16 IL 113, KCBJ-17 MO 27, WAND-17 IL 117, WLF1-18 IN 378, KTEJ-19 AR 191, WRAU-19 IL 144, KCPT-19 MO 232

Dave Nordman (continued)

WIGS-20 IL 90, WIFR-23 IL 259, WPTY-24 TN 238, WEEK-25 IL 142, KTSB-27 KS 301, WTVO-17 IL 258, WMAV-18 MS 301, WCIU-26 IL 262, WCFC-38 IL 264, WPTA-21 IN 316, WTVP-47 IL 146, WQRE-39 IL 259, KMTC-27 MO 178, WLKY-32 KY 237, WYEA-38 GA 520, WFLD-32 IL 264, KYFC-50 MO 233, WKCF-22 OH 327, WFYI-20 IN 232, WBHW-55 IL 89, WSNS-44 IL 264, KBMA-41 MO 238, WVUT-22 IN 147

Dave Pomeroy, 2112 Carnahan, Topeka, KS 66605

December 1979 27 tr KRIN 32 IA 317 27 tr WIFR 23 IL 426  
 25 tr KTIN 21 IA 277 WCFC 38 IL 486 WFLD 32 IL 486  
 KYIN 24 IA 345 KWWL 7 IA 322 WSNS 44 IL 486  
 27 tr KDUB 40 IA 374 KCBJ 17 MO 188 WMBD 31 IL 363  
 WMTV 15 WI 441 (Heavy CCI) WEEK 25 IL 363  
 WQRF 39 IL 426 (unid 41 - Hvy) \* KMOS 6 MO 150  
 KYIN 24 IA 345 CCI on KBMA-41 (Warrensburg)  
 WTVP 47 IL 361

\*This is the new KMOS-6 and is in no way connected to the old KMOS-6. Transmitter and tower are new with greater power and antenna height; new station is PBS, former KMOS was CBS satellite of KCRG-13 from Jefferson City. Sedalia has a translator on channel 11 to replace commercial channel 6.

The opening above was the first good UHF opening since I got my Sony set with detent tuner. I know it's somewhat slower going through the dial, but it sure is nice to know what channel you're on. I know the following two stations are new since I reported last: KYFC-50 Kansas City, MO and K24AC-24 Falls City, NE (KUON-12). Some real good skip last summer, but I can't find the data. If I do later, I will send a list of the new ones. Also, I'll try to do a better job of reporting. Also, two new independent stations are on the air in Oklahoma City. KOKH-25 (formerly non-commercial) and KGMC-34. I have seen neither here.

Fred McCormack, 909 12th St. N., Fargo, ND 58102

CST

The following were logged from Des Lacs, ND:

12-22 tr CIEW? 7 SA 12-22 tr CFSS 3 SA

These are fringe signals at Des Lacs with nearly full time reception. I haven't been able to find out where the new channel 3 is from. In Saekatchewan, the Yorkton Television Co. operates a dual network of stations. At each location, one station carries CTV and the other carries CBC. They duplicate each other during certain local programming such as the news. CFSS used to be the call for ch 7 Carlyle and carried CBC. I now see a station on ch 7 (assumed Carlyle) with an ID slide for CICC/CIEW and carrying CTV and CFSS on ch 3 with its own ID slide listing the location as Esteven, Weyburn, Regina (?). This channel 3 should be out on Es in a few months, so watch for it.

The following were logged from Fargo:

December 1979 5 Es 1629 10kHz CCI-KXJB 5 Es 1430 KVDot 3 OR  
 1641 KTBS 3 LA 990 1431 KBCI 2 ID 960  
 14 F2 1000 BBC1 ch B2 audio 6 Es 1156 WCBdt 2 SC 1310 1606 KVID 4 ID 960  
 (ch B3 video CCI) 1200 WBRZ 2 LA 1185 (over local KXJB)  
 1227 KID 3 ID 805 1730 KATC 3 LA 1185  
 5 Es 0958 KATU 2 OR 1240 1230 KTVK 3 AZ 1250 (MUF 93.1 @ 1738)  
 (MUF 89.7 @ 1034) 1237 KOAI 2 AZ 1120 1741 WBRZ 2 LA 1185  
 1058 WMAR 2 MD 1135 1250 KPHO 5 AZ 1250 1815 KATut 2 OR 1240  
 1327 WBRZ 2 LA 1185 (MUF 101.5 @ 1255) (MUF 93.3 @ 1831)  
 1357 20 kHz CCI-KXJB 1318 KREM 2 WA 960 1832 KMID 2 TX 1060  
 1359 KETS 2 AR 890 1400 KLEW 3(WA) 960 1900 KBCI 2 ID 960  
 1458 WLBT 3 MS 1070 (MUF 94.5 @ 1403)

This skip was very wide ranging with skip being seen from the southeast and the west simultaneously some of the time. I expect there will be quite a few reports on this.

# C.C.I. [UNIDENTIFIED DX]

Mark & Scott Levitt  
3132 Woodland Ave.  
South Plainfield, NJ  
07080  
Deadline: the 5th

February 1980

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TV unID's

Dave Hascall 241 N. Merrill Fortville, IN 46040

1979 unID's

Fri Aug 10 Es ch 3 1735 EST?-"Sanford & Son; Texas, Louisiana, and Colorado in"

Sat Nov 24 Tr ch 11 2315 EST?-"Gong Show (not WTOC or WHAS)"

Mon Dec 31 Tr ch 13 0145-0215 EST?-"PTL Club after WTHK s/off"

\*\*\*\*\*

Jim Ayers 2847 Woodside Dr. Jackson, MS 39212

1979 unID's

Tue Aug 7 Es ch 2 1845 CDT--"Muppet Show"

(PTA NE) ch 2 1845 CDT--"Bob Newhart Show"

ch 2 1845 CDT--"Sha-na-na"

ch 2 1915 CDT--"Bottom Line"

ch 2 1931 CDT--"Straight Talk (a talk show featuring people from Maryland organizations)"

Wed Aug 8 Es ch 2 0815 CDT--"Password Plus (PTA West)"

Fri Aug 10 Es ch 2 1713 CDT-- Andy Gastmeyer of Eyewitness News

ch 2 1715 CDT--mention of Peoria(?) and 1-225(Definitely KWGN -ML)

ch 2 1719 CDT--Eyewitness News at break for commercial with "Next: Regatta Forecast" seen

ch 2 1720 CDT--"Star Trek"

ch 2 1727 CDT--"Underdog"

ch 2 1750 CDT--"Sha-na-na"

ch 2 1807 CDT--"Newlywed Game"

ch 2 1813 CDT--"Beverly Hillbillies"

ch 2 1817 CDT--John Chandik doing weather report

ch 2 1825 CDT--"Glen Dehmer, Action Sports" seen

ch 2 1835 CDT--"Joker's Wild"

ch 2 1842 CDT--"That Girl"

ch 2 1859 CDT--"2 Power" seen

(PTA for Aug 10 primarily north and northwest and sometimes northeast)

Also heard on this date at 2143 CDT on ch 2 was the following, possibly a translator: "Don't miss...exclusively on channel 9. Think about it.

Steve Brown... Steve Brown and Sky-nine. Think about it...direct from the scene to you, live."

\*\*\*\*\*

Paul Gaines 15920 Puritan Detroit, MI 48227

1979 unID's

Mon Oct 22 MS ch 4 0340 EST--"Football Game (taped?)"

ch 4 0345 EST--"Football Game"

Tue Oct 23 MS ch 3 0325 EST--2 thin white lines, very small print ID (see drawing 1)

Wed Oct 31 MS ch 4 0346 EST--full size 4 with small white ID (see drawing 2)

Wed Nov 7 MS ch 4 0256 EST--bright white letters at top of screen (see drawing 3) (not WDAF or WTAE -ML)

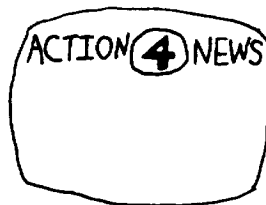
ch 4 0320 EST--(see drawing 4)

Thu Nov 15 MS ch 4 0237 EST--Humphrey Bogart movie, then at 0259 s/off showing earth from outer space

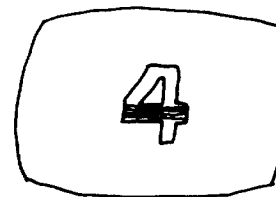
Mon Nov 19 MS ch 4 0357 EST--dark 4 with small US flag (see drawing 5)

Fri Nov 23 MS ch 4 0318 EST--"Banacek"

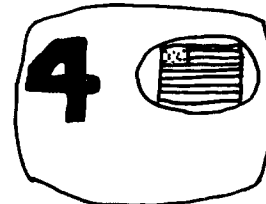
ch 4 0330 EST--Radar weather map divided possibly into counties



← DRAWING 3



DRAWING 4 →



DRAWING 5

\*\*\*\*\*  
I'd like to thank August Miller for the TV Guide and stickers and Paul Gaines for the Christmas card.

Good DX to all,

*Mark*



## HOW TO MAKE OVERLOAD FILTERS FOR CAR FM

(continued from page 9)

(2) Are there designs for simple tuned FM boosters for mobile use?

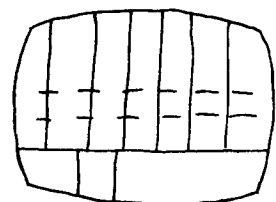
(3) I notice that suppressing one of the stations tends to lead to suppression of other stations that interfere at the same place; is that due to the reduction of general overloading of the receiver's front end?

(4) Why do rod antennas slanted at a 45° angle and pointed in the optimum direction have more gain than if they are vertical?

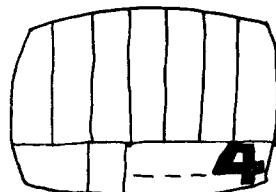
(5) Are there workable--but better--car FM antenna designs than the simple 31" vertical?

I hope this report will be of interest to car FM DXers. Please let me know if you have any leads on information.

73's! Peter Weeks  
95 Burnside Drive  
Toronto, Ontario  
CANADA M6G 2M9



← DRAWING 1



DRAWING 2 →

Out of Sync!

The address for Azam Electronics in the October 1979 VUD should have been 2226 Market Street (not Place) (FROM THE STAFF, page 2)

In A SIMPLE YAGI FOR VIDEO SIGNALS BELOW CHANNEL A2 (December 1979, page 38), the element lengths and spacings for 45 MHz and 48-49 MHz were accidentally reversed. The spacings for 45 MHz were the 48-49 MHz dimensions, and vice versa--and the same is true for the element lengths given. Those DXers familiar with yagi antenna design may have noticed this right away.

# PHOTO-NEWS

Feature: Trans - Atlantic TV-DX

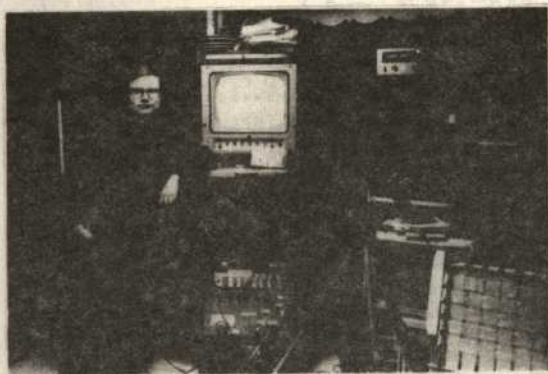
Jim Alexander  
4 Brook Court  
Parsippany, NJ 07054

February, 1980

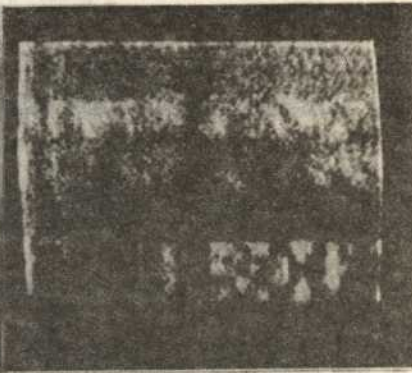
This month, PHOTO-NEWS presents what should be for many a first look at TV-DX received via F2 propagation. To the left is a photo of Staten Island, NY DXer Jerry Pulice, and some of the equipment he's been using to receive F2 TV-DX. For a description of Jerry's set-up, see the Dec. '79 WUL, p. 29. Below the first photo is a shot of Jerry's reception of RTE (Radio Telefis Eireann) Ireland on channel 1 "A" (53.75 MHz). To the right is a photo of a BBC-1 identification slide, received on channel B2 (51.75 MHz). These photos were developed and printed by John Combs (Orlando, FL).

My thanks to Jerry Pulice and John Combs for this month's feature.

73 and good DX, Jim



10/7/79, 1144h GMT



10/4/79, 1405 GMT



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MONEY BACK GUARANTEE  
HRB MUSIC CO.  
919 Third Ave. N.Y. N.Y. 10022

WISC-3 Madison, WI  
1100 mile E-skip (Combs)

WLKY-3? Louisville, KY  
310 mile tropo (Gaines)

# IN SEARCH OF PSB

Donald L. Blevins  
1715 Earhart Road  
Baltimore, MD 21221  
phone # 301-574-2714

IN SEARCH OF PSB.....This month's report will deal with the recent change of the Maryland State Police frequency assignment. This information come by way of Bill Stusabbs of Pasadena, MD. Thanks Bill! Information of this nature is deeply appreciated for its DX content is invaluable.

Installation	Frequency	Barrack	Call
Headquarters	39.10 *	Headquarters	KGB 744
Waterloo	39.32	A	KGA 915 MARYLAND TOLL FACILITIES POLICE
Fredrick	39.32	B	KGA 918
Cumberland	39.26	C	KGA 910 Susquehanna River Bridge
Bel Air	39.34	D	KGA 919 453.575 Perryville
Salisbury	39.38	E	KGA 913 Kennedy Highway
Northeast	39.34	F	KGG 903 151.04 Bainbridge/Aberdeen
Westminster	39.32	G	KGA 917 Baltimore Harbor Tunnel
Waldorf	39.34	H	KGA 916 453.10 Baltimore *
Easton	39.24	I	KGA 912 Francis Scott Key Bridge
Annapolis	39.14	J	KGF 986 453.10 Baltimore *
Handallstown	39.38	K	KBC 660 William Preston Lane (Bay)Bridge
Forestville	39.30	L	KGH 694 453.575 Annapolis
Perryville	151.04	M	KDE 645 Nice Memorial Bridge
Rockville	39.30	N	KGE 796 453.975 Newburg
Hagerstown	39.10	O	KGA 914 MARYLAND PORT AUTHORITY
Glen Burnie	39.14	P	KBT 576
College Park	39.30	Q	KSU 469 154.725 Baltimore
Valley(Baltimore)	39.38	R	KGN 485 MARYLAND SCHOOL FOR BOYS
Centreville	39.24	S	KGD 631 154.80 Parkville
Leonardtown	39.34	T	KGD 716 MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Prince Fredrick	39.34	U	KGD 979
Berlin	39.38	V	KZI 244 155.265 Baltimore " " Sykesville " " Baltimore