

# From The STAFF

ANNOUNCING: WTRM CONVENTION 1990. Once again this year, only one bid was received for the site of WTRM's transitional tower construction. Many thanks to MICHAEL Wimer, who has volunteered to host the event in Mechanics, VA next August 3rd, 4th and 5th. We hope to have more information about the site in upcoming issues.

FM BY HISTORY MADE... June is a month often eagerly anticipated by YHF and UHF amateur radio operators in California and Hawaii. It has long been established that tropo ducting takes place during that time of the year through a semi-permanent high pressure area that is a natural feature of the Pacific region. A number of two-way ham contacts have taken place on YHF and UHF. Getting into the duct has always been a problem for DXers, as height is often a very critical factor on both ends. There are apparently only a few hot spots on both ends of the path, and DXers have had to search for them carefully. Up until recently, it's been assumed that FM and TV DX is possible over the path. We now have confirmation of it. Over Davidson Hamilton has found the Hawaiian end of the legendary path, and logged California via tropo this June. His fascinating report appears on page 42 of SOUTHERN FM DX.

NOVEMBER MAY BE THE MONTH FOR TV DX. As of mid-October, TV DX has been bringing almost daily surprises. We've already received copies from several states in both passes about 45-48 WHP Australian and Zealand video tape. Much from southern California. 49 WHP Soviet video tapes were into the Pacific Northwest, and 45-49 WHP video from Europe into New England and parts of the Midwest. The 48 WHP station band has opened to South America across the North Atlantic. A veteran DXer comments: "...the good old days are back! This is almost like the kind of stuff we get into in the 1950's...a new opening on a 2nd open for annual channel 2 skin this time around."

MUCH TROPIC WAS HAPPENING... In some of this month's DX reports you can evidence of the effect that tropical depressions can ultimately have on North American tropo ducting. As Hurricane Hugo moved into the U.S. mainland, an envelope of stable moisture ahead of the weather system resulted in some great sessions for DXers, with some near-record distances open, especially on HF. Unfortunately, Hugo also brought much damage to the Southeast. Last month we thought we had seen the Hurricane Jerry, a Gulf of Mexico disturbance, had similar effects on HF. We suspect that by the time it's over, the 1989 fall tropo season will be long remembered by enthusiasts.

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Thanks to Dr. Bruce Lixing for this month's cover.

# Television news

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## ABBREVIATIONS USED IN THIS COLUMN:

AATm	Height (meters) above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
Z	carrier frequency not offset

## APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
CA	11	151	941	Los Angeles; Rainbow Broadcasting Inc. (amended)
MN	20	1268	336	Worthington; Central Minnesota Educ TV Co Inc.
NY	67	7.01	137	Ilion; Mohawk Valley Broadcasting Inc.
NY	42	661	209	Oneonta; WSKG Public Telecommunications Council

## APPLICATIONS DISMISSED

CA	San Bernardino; ch. 30; Solano Broadcasting Ltd.
CT	Hartford; ch. 61; IST Broadcasting Inc.
MS	Jackson; ch. 51; Delta Television Ltd.
NV	Las Vegas; ch. 15; Daniel R. Ewing.
NJ	Secaucus; ch. 9; Whitely Communications.
TX	Blanco; ch. 52; Opal Chadwell.

## CONSTRUCTION PERMIT CANCELLED

ST	CH	CALLS	CITY
VI	43	WAIG	Charlotte Amalie

## APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
AL	63	2417	215	WTSU-TV	Montgomery
AK	5	5.9	250	KYES	Anchorage
GA	63	3396	363	WHSB	Monroe
HI	14	13.2	-170	KWHH	Hilo
PA	64	8	374	WSWB-TV	Scranton
TX	22	213	102	KLRB	Wolfforth
WA	16	5000	331	KONG-TV	Everett

## CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
AK	5	5.9	250	KYES	Anchorage
GA	21	2884	311	WBSG-TV	Brunswick
HI	14	13.2	-170	KWHH	Hilo
IL	46	5000	345	WHSB	East St. Louis
MI	33	61.5	288	WGKI	Cadillac
MN	45	5000	191	KVBM-TV	Minneapolis
OR	31	6	691	KDKF	Klamath Falls
TX	48	5010	160	KNVO	McAllen
TX	60	1471	456	KVDA	San Antonio
TX	22	213	102	KLRB	Wolfforth
VA	68	1140	763	WLFQ	Grundy

## APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
CA	38	5000	440	KWBB	San Francisco (MP)
CA	64	1950	909	KFTL	Stockton (CP)
FL	17	4680	304	WJKS	Jacksonville (CP)
GA	14	2018	616	WANA-TV	Rome (CP amended)
MD	62	2475	138	WFPT	Frederick (CP amended)
MI	8	316	302	WOTV	Grand Rapids (CP)
NH	52	94.5	329	WEKW-TV	Keene (CP)
NJ	41	2340	421	WXTV	Paterson (CP)
PA	28	3020	509	WBRE-TV	Wilkes-Barre (CP)
WA	33	3813	330	KBGE	Bellevue (MP)
WA	22	5000	366	KTZZ-TV	Seattle (CP)
WA	11	316	363	KSTW	Tacoma (CP)

## CHANGES GRANTED STATIONS ON THE AIR

CA	San Francisco; KWBB, ch. 38; granted MP to change antenna height to 440m AAT/221m AG/475m ASL (about 18 meters higher ASL); same ERP (5000 kw max); TL to Mt. Sutro Tower, coordinates 37°45'20"/122°27'05" (about 3 miles WNW); DA BT. Don't expect any apparent change.
GA	Bainbridge; WTLH, ch. 49; granted CP to reduce ERP from 1738 kw max to 1611 kw max; 246m AAT/227m AG/313m ASL (81 meters higher); same TL. Doesn't look like any noticeable change. Station recently received a license to cover former data, so it's probably making improvements on existing facilities.
KY	Lexington; WKYT-TV, ch. 27; granted license to cover CP for changes: see 8/89 VUD.
MO	Columbia; KMIZ, ch. 7; granted CP to raise ERP from 740 kw max/562 kw hor to 1600 kw max; 348m AAT/326m AG/572m ASL (9 meters lower); same TL. Should be a definite improvement in coverage area.
MD	Baltimore; WNUV-TV, ch. 54; granted CP to reduce ERP from 4945 kw max to 1353 kw max; 350m AAT/296m AG/451m ASL (I don't have existing AG/ASL figures, but AAT is about the same.); DA BT. Get it while you still can.
MD	Frederick; WFPT, ch. 62; granted CP to raise ERP from 24.9 kw to 2475 kw max ERP; 138m AAT/144m AG/276m ASL (a drastic 432 meter reduction); TL approx. 2.0 miles SSE of Urbans, 0.3 mile west of Interstate 270; coordinates 39°17'53"/77°20'35" (Az. 148°, or

a little south of SE, 15.9 miles from present TL; DA. Despite antenna reduction, this major power boost could bring it into the big league; right now the station is still operating at the same power and antenna height it had when it was a translator.

NY Keene; WVKW-TV, ch. 52; granted CP to raise ERP from 60 kw to 94.5 kw max; same TL and height.

NY Binghamton; WICZ-TV, ch. 40; granted CP to reduce ERP from 565 kw max/501 kw hor to 468.3 kw max; same TL and height.

NY New York; WNYE-TV, ch. 25; granted CP to raise ERP from 658kw max/594kw hor to 2432 kw max; 395m AAT/393m AG/408m ASL (211m higher AG and ASL); TL Empire State Building (350 Fifth Avenue); coordinates 40°44'54"/73°59'10" (Az. 353°, or slightly west of due north, 4.1 miles from present TL); DA. Another giant step for mankind.

OH Chillicothe; WMAT, ch. 53; granted CP to reduce ERP from 5000 kw max to 2000 kw max; antenna data which follows probably reflects what was actually built: 199m AAT/190m AG/416m ASL; coordinates 39°35'30"/83°06'38"; DA BT.

OH Cincinnati; WIII, ch. 64; granted CP to raise ERP from 1000 kw max/851 kw hor to 1148 kw max; 287m AAT/242m AG/496m ASL (49 meter reduction in height, despite the same HAAT); TL 2222 Chickasaw Street, Cincinnati; coordinates 39°07'28"/84°31'18" (1.4 miles east of present TL). Don't look for any improvement.

PR Arecibo; WCCV-TV, ch. 54; granted CP to raise ERP from 11.78 kw to 1500 kw max; 600m AAT/156m AG/1088m ASL (present data sketchy, but I have -67 meters AAT.); TL Cerro Roncador, 7 km to Utuado on AZ 60°; coordinates 18°14'06"/66°45'38"; DA BT.

Mountain, 5 miles southeast of Fayetteville; coordinates 36°00'57"/94°11'00" W. [NOTE: there was an MP application for 201 kw, 140m AAT, and TL 15 miles north, but I have no indication that it was granted, yet it would seem odd for them to build according to their original CP data if they were seeking to change; MP affiliate; satellite of KPOM-TV, ch. 24, Fort Smith AR; address: KFAA Television, 114 S. Sixth Street, Rogers AR 72756.

IL East St. Louis; WHSL, ch. 46z, went on the air 9/11/1989; 5000 kw max ERP; 345m AAT/250m AG/523m ASL (as per MP granted 7/26/89); TL near Maxville, MO; coordinates 38°23'18"/90°29'16"; HSN affiliate; address: Roberts Broadcasting Co., 1408 N. Kings Highway Blvd., Suite 202, St. Louis MO, 63113.

NC Rocky Mount; WFXB, ch. 47z, went on the air 7/5/1989; 1300 kw max ERP; 312m AAT/308m AG/365m ASL; TL 1.5 miles SSE of Old Spring Hope, Nash County, off the end of Hwy. 1920; coordinates 35°54'44"/78°01'46"; BT HOR; independent station; address: Family Broadcasting Enterprises, Box 4750, Rocky Mount, NC 27803.

TX Galveston; KLTJ, ch. \*22z, went on the air 7/24/1989; 5000 kw max ERP; 571m AAT/569m AG/575m ASL; TL 11600 County Road 200, Liverpool, Brazoria County; coordinates 29°17'16"/95°13'53"; independent religious station; address: Faith That Pleases God Church, 3737 Red Bluff Road, Pasadena TX, 77503.

TX San Antonio; KHCE, ch. \*23z, went on the air 7/9/1989; 1471 kw max ERP; 241m AAT/293m AG/573m ASL; TL FH Road 1560, coordinates 29°31'25"/98°43'25"; address: Hispanic Community Educational Center, 7823 Mary Carolyn, San Antonio TX 78228.

**CALL LETTER GRANTS: NEW STATIONS**

ST CH CALLS	CITY/APPLICANT
AK 33 KDNW	Anchorage; EchoNet Corporation
CA 8 KFNU	Fort Bragg; KDKJ
IL 46 WHSL	East St. Louis; WHSQ (new station)
NJ 62 WACI	Atlantic City; Garden State Communications
SC 21 WFIL	Florence; Hagers Communications Corp.
TX 22 KLTJ	Galveston; KUYA
TX 60 KVDA	San Antonio; Nueva Vieta Productions Inc.
UT 12 KUSG	St. George; KUTV Inc.

**STATIONS OFF AIR**

ST CH CALLS	CITY
OH 68 WCOM	Mansfield
OH 30 WJXA	Portsmouth

**FORUM**

**ROY BARSTON** (Testicker MA) writes, "Concerning CIHF-8 channel 8 Halifax N.S. & their outlets (11, 12, 27) I received on May 20, 89. They have not sent any info or verification back from my reception report or from a follow-up. The lady I talked with on the phone said they have 1 station in N.B. St. John. Is this the so-called Atlantic Satellite Network? Mailing address for CIHF-8 is MITV, 14 Akerley Blvd., Dartmouth N.S., B3B 1J3. Steve Wilson, C.E. Phone 1-902-468-2223. Maybe someone else will verify them or get more info. They said CIHF-8 started in Sept. 88."

Any non-CBC television station is required to have the "-TV" suffix, so I assume it's CIHF-TV. It's interesting that the 1989 Television Factbook confuses MITV for its call letters. The St. John, N.B. station to which the lady referred is not a satellite at all, but rather another station owned by New Brunswick Broadcasting Company Ltd.: CHSJ-TV, ch. 4, a CBC affiliate.

"New station here is W22AR (WLNE-6 MA) Fall River MA, started on July 27, 89. ERP 5.76 kw direction 155° from north (directional ant I believe) 309 ft. high.

**CALL LETTER GRANTS: EXISTING STATIONS**

ST CH CALLS	CITY/APPLICANT
AL 32 WMOA-TV	Montgomery; WKAB-TV
CA 13 KOVR	Stockton; KOVR-TV
NI 31 WBSX	Ann Arbor; WIHT
NM 2 KKTO	Santa Fe; KMNZ-TV
NC 36 WVGO-TV	Charlotte; WPCQ-TV
TX 57 KRTW	Baytown; KLTJ

**NEW STATIONS ON THE AIR**

AR Rogers; KFAA, ch. 51, went on the air 8/30/1989; Original CP data: 5000 kw max ERP; 284m AAT/157m AG/709m ASL; TL Robinson
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Tower on Pleasant St. Fall River.

"WHRC 46 Norwell MA comes in much better now. Must be 3,000 to 5,000 kw."

**BEN WILKIE** (Geneva NY) sent in an article of interest. The 9/17 *Rochester Democrat & Chronicle* reports on a new trend: cable television stations with their own call letters. "Its schedule looks like *real* television - on-air broadcast television, that is. Even its call letters - WGRG - sound like it. And that's what Greater Rochester Cablevision wants you to think when WGRG, the company's independent cable channel, goes on the air - or rather on the cable - at 6 p.m. Thursday on cable channel 5. WGRG will even have local programming." "It's a move that has media watchers and on-air broadcasters wondering what it means for the future. For GRC's cable subscribers, it will mean another choice. John Orr, the new station's general manager, sees it as the beginning of a trend. 'It's television of the '90s,' said Orr. The trend in the next decade will be for television to zero in on a small portion of the market instead of trying to appeal to the general public." "A similar experiment started Aug. 7 on Buckeye Cablevision in Toledo, Ohio. However, it is only on from 5 p.m. to midnight. WGRG will broadcast from 6 a.m. to past midnight. 'We're cautiously optimistic,' said Tom Dawson, special projects director for Buckeye. 'We're building an independent station with everything but the tower and transmitter.' "A look at WGRG's schedule of reruns...make it look like many other independent broadcasters. 'It's programming we have chosen not to run,' Heather Farnsworth, general manager of WUHF-TV, Channel 31, Rochester's on-air independent broadcaster. 'We have better material.'"

**BILL NIENAJADLY** (Cliffon NJ) reports that W53AA, New York City, is back on the air as of 8/19, with 3/4 CB test pattern, with callsign in middle. "Any idea what their format will be?" No idea.

Bill sent in a review of the GFH-100 Indoor Dish Antenna. This is evidently NOT the Larry Schotz design manufactured by Terk Technologies and Parsec, as I mentioned in the 9/89 column. The ads sent to me on them contained nothing that appeared to be in any way misleading. But this review, from the 8/20 *New York Daily News*, describes tabloid-type advertising: "This state-of-the-art indoor parabolic antenna is so advanced and so efficient, in many areas it can actually deliver as clear a picture as a costly roof-top antenna installation." No doubt it could if you're a few miles from the transmitter. The review reports, "Okay, so just exactly what is this little marvel of TV technology? According to broadcast engineer Jim Schoedler, 'It's just an ordinary pair of rabbit ears with a little bit of painted plastic that makes it look like a satellite dish.' So much for appearances. How about performance? Jim and I tested it on a TV set in my office. The picture I get from the roof-top antenna is quite normal. But when Jim hooked up the GFH-100 according to the directions, the reception was terrible. The picture had no color; it was jittery and full of wavy lines and interference. We could barely see the image on the screen. No amount of

fiddling with the two 'tuning' knobs under the dish would bring in a clear signal. Jim and I agreed that the GFH-100 was just a piece of cheap plastic junk. These little dish antennas are sold by mail order under various names for between \$8 and \$10, depending on which magazine ad you happen to see. They're often advertised as promotional 'giveaways' or 'prizes' in a sweepstakes contest."

From the 9/14 *N.J. Herald News*: It happened again. Another television station mistakenly aired pornographic footage during family programming. This time it was KABB in San Antonio. "A television station inadvertently aired several seconds of the final strobe-lit rape scene from the movie 'Looking for Mr. Goodbar' during a morning children's program. The scene was broadcast Tuesday on KABB-TV in the middle of 'Real Ghostbusters,' a program that airs from 7 a.m. to 7:30 a.m. Apparently one of KABB's producers was editing the rape scene last week to air at night while the station was receiving a satellite feed of the cartoon. A station technician hit the wrong switch and the scene was edited onto the station's videotape of 'Real Ghostbusters,' said Sam Bickel, KABB program director." I commented last time that someday this is going to happen on one of those religious stations.

The 9/4 *New York Daily News* reports, "Folks upstate can relax. Weird Al Yankovic didn't mean it personally. We're talking hear (sic) about the comedian's first movie, 'UHF.' A turkey of a picture that premiered in July, Yankovic starred as a loser who gets to run Channel 62, an ailing TV station his uncle won in a poker game. 'Naturally, some people took offense,' says Gene Collins, station manager at WTZA-TV in Kingston. The independent station is otherwise known as Channel 62, and covers the stretch between the city and Albany. 'But I don't think it was intended to poke fun at us,' adds Collins." "Still, there were moments. A rumor circulated that Wierd Al vacations in Woodstock - which gets WTZA - so he must have modeled the movie after the station." Maybe he should have picked channel 37.

The 9/25 *Daily News* reports, "Fox Television is trying to buy the call letters of Atlanta Radio Station WFOX, so it can use them to rename its New York station, now known as WNYW/Channel 5." "The station, known as Fox97, recently spent nearly \$1 million for a major campaign promoting its format and a logo change."

**TOM BRYANT** (Nashville TN) looked further into some confusing information I reported in the August VUD on KBME, ch. 3, Bismarck ND. He wrote in a letter dated 8/10, "the whole thing sounded suspect to me so while I was vacationing in Bismarck, in July I called the engineering department at KBME. They informed me that to the best of their knowledge there were no changes planned or proposed but conceded that there might be something they didn't know about going on a PPTV headquarters in Fargo. After I got back here I called Dennis Falk (a native of my home town), President of PPTV in Fargo; and he was surprised to learn that there were published FCC proceedings regarding technical changes in Bismarck. To set the record straight, NO

changes are in store at KBME! He told me that he planned to see if he could determine the source of the erroneous information."

Meanwhile, Dennis Falk contacted A. Bruce Jacobs, director of engineering at Prairie Public Television, who responded back, and to Tom Bryant, "We re-licensed KOSE-9 Dickinson, KBME-3 Bismarck, and KWSE-4 Williston for lower power mainly because of the desire to increase our tube life. As you are aware, tubes are getting more and more expensive. The 8916 used for the visual final now costs about \$6,000. We found that operating our transmitters at their rated power of 25 kw stresses the tubes and cavity parts to the max, resulting in very disappointing tube life, sometimes as low as 5,000 hours."

"When our tower for KSRE-6 fell in an ice storm, we got a deal on a used antenna that had an extra bay and associated extra gain, which required only 20 kw for full ERP. The visual final now has over 5,000 hours!

"We decided to test the reduction to 80% power, which is only 1 dB (if you connect a calibrated attenuator to a TV, you will be hard-pressed to tell the difference in a 1 dB drop in RF level) After performing the change to the Dickinson transmitter, we received not one reception complaint. Based on this result, we decided to drop Bismarck and Williston as well. We have not received any complaints."

**PAUL GAINES** (Detroit MI) asks about a few unidentified stations. An unidentified PBS on ch. 64 in the midwest would have to be a translator. To the east could be W64AK, Conneaut OH, or a more distant one to the SSW is W64AV, Hopkinsville KY. I know of no other channel 64 translators in that area, so maybe it's a new one.

Nor do I know of a channel 24 TBN translator or LPTV in the direction of Chicago. I see no record of a TBN channel 39 in Marion OH, as Paul suggested, but there is W39AI in Youngstown OH, which is TBN. Maybe somebody in the midwest can help with some of these stations.

New member **DOUG SMITH** (Madison WI) adds more info on that LPTV station which uses full service television station call letters: "Regarding the WSSM-TV reported in March, in case this mystery hasn't already been answered, WSSM-TV and K54DB are the same station. WSSM-TV is a registered trademark; the FCC doesn't know (or care) about it. They are known by that trademark in the local TV listings and in the phone book, however the official callsign is also used in some IDs. Speaking of this station, they recently changed their (read) callsign to W54BH. Which makes me wonder (especially given how quickly they were able to put K54DB on the air after the demise of W05BD) whether K54DB was actually licensed to Madison, or if it was a license for some other community (Iowa?) that was temporarily used here after W05BD died? By the way, this station is also looking at putting up another LPTV in Janesville, Wis.- channel unknown."

"I work for WISC-TV channel 3; any readers who receive our station with verifiable details should write; all accurate reception reports are verified with a letter. Unfortunately, inaccurate reports seem to involve people receiving WJMN,

Escanaba, Mich. and assuming it's us. WJMN is a satellite of WFRV, ch. 5 in Green Bay, and as such often carries Wisconsin news and ads. However, it's an ABC affiliate - we're CBS. While less likely to be a problem, KOLH Duluth, Minn. also serves the city of Superior, Wis., and Wisconsin news and ads might also be seen on this channel 3 station."

A few articles of interest from **BRUCE ELVING** (Esko MN). The 9/13 *Portland (Maine) Press Herald* reports, Low Power pulled the plug! "Six months ago after its low-powered signal flashed out from the Sonesta Hotel roof, the television station WAR 24 is off the air. The station, which specialized in old movies and local arts and sports, died because it couldn't find enough advertisers and because it couldn't get its programming on Portland's Public Cable System, its owner said."

Also from Bruce is a note written by a TBN official about the ch. 58 LPTV in Duluth, MN: "We plan on increasing the elevation in Minneapolis which should solve some coverage problems. The station is ID'd by FSK via cw every 15 minutes." Bruce comments, "I have never been able to perceive the FSK detonation of ID on this translator (er, low power station) as the letter alleges. Also they mention their plan to improve the Minneapolis translator (also on channel 58, I believe)." Do you mean W58BS in Minneapolis? And could somebody tell me what FSK means?

**DAVE SINCLAIR** (Vancouver, B.C., Canada) writes, "I read with interest the info from William Lindsey of Lynwood, Washington, about KONG-TV. It is unfortunate that KONG-TV did not make it on air; their original on air date was Feb. 1/84! The last I heard several years ago was that they were trying to reorganize financing. I hope that someone brings it on air. At least KORC-TV Channel 24, Anacortes, Wash., did make it on air for a short time in early 1987!"

"Last June I sent you an item from the Portland Oregonian about a TV Guide collector in New York State. I am left with the impression that you would not want to publish his name thereby giving him free advertising." I must have missed the article, because I don't remember it. Was there something else relating to television on the same clipping?

And this article sent by Dave, from the 8/21 *Playback*: "The CRTC has denied a request by CHUM Ltd.-owned CKVR-TV of Barrie, Ont. to disaffiliate from the CBC and set up a twin-stick operation, which also would have brought full CBC service to the area. The CRTC decision grants a full five-year license renewal to CKVR based on its existing format, noting it has consistently exceeded its promise of performance. However, the commission concluded that neither the central Ontario audience nor the television market now served by CKVR would benefit from its disaffiliation from the CBC."

**FRANK AODEN** (Boise ID) reports a KPVI translator in Idaho Falls, channel 12, of which I have no record. Must be a new one. He also reports that K49AZ in Twin Falls went bankrupt. And a channel 43 LPTV in Boise was seen testing the beginning of October.

That's all for this month. Happy DX and Happy Thanksgiving.



# FM NEWS

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Contributions earnestly solicited!

## Readers' Reports—A VUD Exclusive!

Two Canadians report in at the beginning of this month's column. Andy Reid notes the mistake, caught earlier, of Bracebridge ON not shown on 100.9 (Fwiastake FM Atlas-12, p. 94). He is aware of a mystery CBC station approved in Fraserdale ON 91.9 and Rolphton ON 96.7, "which FMA seems unaware of. Would you like more info on this? I can get you decision numbers and dates if that is any help. Isn't Beardmore ON receiving a CFNO relay as well?" They're all questions I'd like more information on. Any help from the CRTC would be appreciated, but more than decision numbers, it would be good to get full technical parameters—EHAATs and ERPs, and call letters, if known. Andy also sent something from the Canada Gazette about the CRTC calling for a draft policy affecting FM radio, and will be asking for public comment. "The policy will most likely be considered at a public hearing in the summer of 1990. The Commission intends that the final policy will be published by the end of 1990. To allow for the review of the FM policy, the Commission proposes to renew administratively, for a period of two years, the licences of most joint and independent FM stations expiring in 1990. Consideration of applications for licences for new FM stations received after April 14, 1989, will be postponed until after the completion of the policy review." So there's a freeze on new FM stations in Canada. DXers might want to make the CRTC aware of their concerns that FM stations of Canada be legally identified with call letters and numbers (such as CKO-FM10) and city of license of all commercial, CBC and public stations, including individual relayers.

Andy would "pay more for a larger format in order to make the maps clearer" in the FM Atlas, which he claims is a "great effort [and] before I go I'd just like to say that my favorite part of FCC News is AM Happenings. I am most pleased to see redundant AM stations going by the wayside."

Alain Pepin sent word about stations in his area on the air, or embracing stereo. He's heard what might have been the new Theford Mines on 103.3, with progressive rock, but too weak thus far to tell if it is broadcasting in stereo or not. After talking with him, I wonder if he isn't getting the new CFJO 103.3 Joliette PQ, said to be on the air?

Wanting me to better define the many variations of rock music is Paul Losner, who says: "There is a large variety of rock. It would be helpful if you would break up rock oldies, top 40 and slow rock into three different codes. Thanks. I will continue to give you the latest station information for the Atlanta area." He also noted the FCC endorsing certain Class A FM stations going from 3000 to 6000 watts; none of those granted yet, but later this month the FCC is expected to publish a list of stations that could qualify for the 6000 watts.

Tim McVey sent some technical information on SCA and on the Icom R-7000. "Very good to have met you at the convention this year!" Another person at the convention I enjoyed meeting for the first time was Jim Renfrew. Jim writes with news of many stations in CA off the air, and says: "It was a pleasure to meet you (and many others) in person at the WTFDA gathering in Syracuse. It's always nice to match names with faces!" Jim would like to see the FM Atlas on larger pages. "A shortwave frequency guide that I own, 'Passport to

World Band Radio', is approximately 18 by 25 cm and very handy to use."

Long-time WTFDA member Gary Olson sent an article from one of the Chicago papers on the Satellite Music Network, which goes out via an uplink at Mokena, a suburb of Joliet. The article also discusses the wide variety of formats or should I say "positionings" that stations can take? They're not really format variations, and I hesitate to modify the categories used here to reflect such variations of what is often the same type of music. And, I'm not inclined to go along with Paul Losner's suggestion (see above). The article, under the subhead "A dizzying selection," mentions the following radio formats: mainstream AOR, classic rock, eclectic AOR, heavy metal, mainstream a/c, oldies a/c, soft a/c, classic hits, contemporary a/c or adult CHR, dance oriented CHR, high-energy CHR, mainstream urban, adult urban, heart and soul, new wave, nostalgia big band, beautiful music or easy listening, classical. "Have you had enough? Well, there's more. It includes all-business, all-sports, all-talk, all-country, all-comedy stations—not to mention at least one short-lived all-Elvis station. It's hard to argue with [Kurt] Hanson [president of Chicago's Strategic Radio Research] when he opines, 'It's a vibrant industry. It's not like toothpaste.'"

John Ebeling sent word, through Radio-Electronics, Oct. issue, about a new IC chip, the Rohm BA-1404, which is an FM stereo transmitter. The chip sells for about \$1.50, and is powered by one or two AA batteries. One of my FMedia! subscribers called the Rohm company and learned about their willingness to work with experimenters. This device can be teamed up with a CD player or cassette unit, an FM tuner, or just about anything with a stereo audio output and enable such devices to be broadcast to nearby FM radios, like walkpersons and FM car radios—in stereo. For more information call Rohm at (714) 855-2131. Ask for the Microsystems Division and then ask for Warren Shoals or Frank Hasa. They will send out literature on the IC, which could presumably spray FM DX that your tuner gets to all the little radios in your house, although blocking DX reception on the frequency on which it is broadcasting.

Another item about low power FM comes from Canada where Winnipeg real estate radios are proclaiming the virtues of houses for sale, thanks to the CRTC for sanctioning such activity. In Toronto, without CRTC blessings, a company called VOXX, Inc. is selling machines to realtors and stores, with customers parking in the lot, hearing a pitch for a business. Messages can be up to 72 seconds and broadcast up to 100 meters on an unused FM frequency. "Dozens" of the low power devices are broadcasting in the Toronto area without the benefit of a CRTC licence. "It is a new niche in the broadcasting and radio market and everybody is scrambling to get into the niche," said Stan Misiewicz, owner and operator of Talking Signs, Inc. At least 2000 of the devices have been sold in Toronto to real estate agents and brokers, and the company "plans include the use of mobile devices plugged into automobiles to promote a diet product to people in nearby cars, and a bus company in the U.S. has been using the devices to broadcast information to people approaching bus stations. How well the signs are working for realtors is unclear, but "something uncommon helps catch someone's eye." Thanks to Saul Chemos for sending that article.

Changing its calls to WYCL, 107.5 Boyertown PA will

be going (top 40), according to Bill Nienajady. Look for official word on the call letters' change from WBVO in next month's FCC-FM news. Bill also sent word from Karl Zuk's column in the IRCA bulletin about WHOT 91.5 Brooklyn pirate being busted by the FCC. The FCC had long known about the pirate, but this time came with a truck and completely dismantled the station, which was located near Coney Island. "The news traveled fast. Suddenly, the very active pirate radio scene in New York city had been squelched. At its peak, there were as many as two dozen active pirates. They even created, out of necessity, a frequency coordinator to avoid interference with one another. So far, the feds have not prosecuted the operator of WHOT." Bill predicts many small market stations will dump their AMs as that medium continues its "downward spiral." He sees big city AM stations surviving as long as they don't do something lame. He predicts a major health study to come out and show that many cancer-related problems will be the result of closeby towers. "A public outcry will force many TV-FM and AM stations to move away from residential areas or cut power. Lawsuits may result. Low power FM will become a reality much to the disliking of FM established broadcasters. . . A reallocation of the entire AM band will take place before the year 2000. After an almost total deletion of small market low power AM daytimers, AM station owners will band together and push for new FCC regulations favoring AM over FM. Manufacturers will be forced to make highly selective FM radios because of station crowding on FM. High selectively FM tuners will be common and cheap. Quite a few FM stations, in small and big markets, will fail financially because of intense competition on the dial within two years. Bill sent word about a ham on St. Croix VI relating news about the island, damaged by Hurricane Hugo. Later reports indicated some TV and FM stations went off the air in PR, SC and NC.

Karl Zuk writes to me directly and mentioned WCWP \*88.1 Brookville NY getting interference from WARY 88.1 Valhalla NY. WARY is testing on the new frequency, getting ready to vacate 88.5, so that WEDW 88.5 Stamford CT can begin. "Ninety point three is an interesting frequency here [in Croton-on-Hudson NY]. It is shared by WBAU, Adelphi University, and WHPC, Nassau Community College. WHCR, in Harlem, actually makes it up here on a good day. [WHCR monophonic? he.] WBAU operates in the morning only on Friday, Saturday and Sunday, leaving the frequency open four days a week for a few hours. On those mornings I clearly hear WAMC from Albany, with their NPR programming. I also heard a religious station cutting in on it every day—WCIB Elmira NY, with 7000 watts, transmitting from a high hill just over the Pennsylvania border, idling with WCIB in Bath NY. They broadcast the Family Life Network, with USA Network news on the hour. Their phone is (607) 776-4151. . . They were amazed that they were getting out so far! I hope you like the article about the FM Atlas. I think I'm getting FMedia! through Monitoring Times now, as well as seeing it in VUD. Keep up the enjoyable work!"

Mike Hardester sent word from the orient. "I'm presently stationed (for the second time) on Okinawa, and am hoping my DX gear arrives soon. The last time here, except for an FM tuner, I had no FM DX capability. This time I'll have a Sony 2010. However, I have no idea how good its performance is on FM. Still, I'll give it a shot." He sent some FM information from the Okinawa edition of TV Guide, which he claims does not appear to be connected to the stateside publication of the same name. FM stations listed are 89.1 Okinawa, eight in Korea, and five in the Philippines. I think the frequencies are military, AFRTS ones. "There is a good possibility the United States will be closing their bases in the Republic of the Philippines by 1991. The government of the Philippines has expressed a strong intent to require closure of the bases and assuming

control of them. If this occurs, AFRTS outlets of the Far East Network will most likely be closed, so log 'em while you can!"

Rod O'Connor has been doing some checking on AK military stations and public translators. The KSKA translator in Dutch Harbor transmits from atop Haystack Hill at Unalaska, "and is the only FM station in the eastern Aleutians. A pretty good signal, considering the mountainous terrain there. . . It was great to look through the FM Atlas. I can't believe all the new FM stations coming on back in Maine, where I used to be stationed." He also heard some rare AK DX, getting from Kodiak all the Anchorage stations at 418 km, but no Fairbanks.

Bill Fait has heard the new WXXM 98.9 Upper Arlington (Columbus) OH; do they broadcast in stereo? He's also heard country-gospel music on WLCO 100.9 Clyde OH, not Spanish, so if a format change has occurred there I'd like to know. Atlanta's Gary McKee signs off WQXI-FM 94.1 Smyrna-Atlanta after 18 years. Seems the station's ratings have not held up well enough to retain him in later years, although up to 1985 it had almost twice the audience of its nearest competitor. The latest ratings had it at seventh out of 19 stations. McKee did what people newly fired are advised against doing—he was on vacation and not available for comment.

Gus Mancuso said, in Philly, WIOQ 102.1 and WPGR AM 1540 are still fighting the oldies war, while WEAZ AM 560 surrendered, now simulcasting 101.1, mr. "WGMX surrendered, now playing a nausea-light format," whatever that means. Is it lame, Bill N. would ask? Baltimore oldies survivors Gus lists are WQSR 105.7 WYST 1010 AM, WITH 1230. Dropouts are WFBR 1300, now B. R. N. financial news, and WCBM AM. Regarding format designations, he'd use "r" for CHR, "f" top 40, "o" oldies, "ro" classic rock, "m" MOR. "If between b & m use 'bm', light rock use 'rm'; WPGC would be 'sf', kind of a white man's soul station. WMMJ 102.3 new format would be 'mo'. The important thing is to stop keeping rock, pop and oldies together." Gus adds "AM happenings caused by FM: How about the proliferation of Class IVs ('graveyard') playing oldies as a last gasp effort to hold onto listeners (WOL DC, WOND Atlantic City, WARK Hagerstown MD, etc.). Some 5 kws too—WAMS 1380 DE. P. S. When was anti-duplication rule repealed?" [It was during the Reagan era, seems it was before 1987 when I started publishing FMedia! and keeping better track of such happenings.] Called Receptor, a small watch-like thing, will be a pager selling for \$250, to respond to FM-SCA pagings at 57 kHz with alphanumeric printings (not audio). "The watchband is the antenna and power is delivered by a battery slightly larger than used currently for electric watches," according to an article Gus sent.

John Marx sent an item about the Wisconsin Radio Reading Service being broke and off the air. At last word, it's back, heard statewide on WI Public Radio, 88-92 mhz, at 67 kHz, but pared back. Now it is on 7 to 8:30 a. m. and 5 to 7 p. m., with MN Talking Book for the Blind heard after 7, including MN's tomography. Instructional programming and fill music take care of the daytime hours on WPR's SCAs. John says WTFX 94.1 Watertown WI aired the sound of a human heart beating for about eight hours immediately before changing to "The Fox." "An attempt to build anticipation, I assume."

Glenn Hauser sent lots of station news. One of his prospective locals, KGPD 95.7 Lahoma OK, is applying for an extension of time to build. He'd like to see more sanity in the TX maps in my atlas. Would-be Vail CO Christian broadcasters are trying to sell a statue of the Loch Ness monster and donate the proceeds to their cause. The article Glenn sent from the Vail daily paper didn't state whether the new station would be that, or a translator.

Ralph Strobel sent a long tape of his DX, including

what sounded like WXTS \*88.3 Toledo, received in June, before its summer hiatus. No way did the calls sound like WAMP, its former designation. His tape also sounded like KRAA 93.7 for KRAI-FM Craig CO. Look for his DX report; it should be very impressive! I listened to the tape while painting the garage, so could not stop the machine and relisten to things because of not wanting to disfigure the cassette unit. Speaking of tapes, I will lower the price of the Conelrad tape from 1959 and 1961 to \$2.00. The first two dollars that comes gets it. I had overpriced it, and the person who sent it only wanted me to collect what the raw tape plus shipping would cost. I'll sell the tape Ralph sent for \$5. I think it's a TDK C90, including list of stations on it.

Frank Aden, Jr. updates on FM in ID, saying the proposed station in McCall on 101.1 will probably only relay a KQFC, and will become a Class C3. His local newspaper is about a year and a half out of date when it comes to radio listings. "I have called their entertainment editor a few times but they do not seem interested. Some day soon I will send them a corrected copy."

One source, sending information on the SCAs of MI and OH, wrote: "I called you this evening to provide you with some additional local information for your FM Atlas; unfortunately you were not in, and I was advised you do not return long distance calls."

Paul L. Gaines sent a Detroit Free Press column about profanity on radio, and it was noted that nobody in that market broadcasts like Howard Stern or "Bob and Tom" do in Indianapolis.

"What is this nonsense about putting 100,000 watt stations on Class As anyway?" snorts Frank Merrill, who was also at the WTFDA-89. "This is a trend which will decrease, not increase, our totals!" Like Ralph Strobel, he's gotten his share of tropes. He has heard WCRI 98.5 Eureka IL testing, and I'd like to know if it has stereo when it comes on, and its music format. "WGEM-FM 105.1 Quincy IL still signs off (0100-0500), but WQCY 99.5 is 24 hours, unlike last year. With 102.3 now 24 hours, I think the silent period on 105.1 is probably doomed."

"Bruce, when you see my next Southern FM Report, try to ignore the 'KVIA 93.9 TX El Paso, V-94 FM'," writes Keith D. Pugh. "I can't figure out how I came up with that one! Am I losing it or what? The call is familiar, though. You've done another great job with the FM Atlas. I can't even complain about the small print. . . Keep up the good work with the FCC column and FMedia! even though I haven't yet subscribed. I will at a future time." [Subscribing at a future time is going to cost more; the \$18/year rate to DXers is in effect now until Dec. 1; after that it could go as high as \$45/year—b.e.] "You have any info on Cuban FM stations? I'll most likely delete from my log 92.3 Cuba after hearing from Ralph Strobel that it's probably Hialeah FL. . . 93.5 mentioned Santa Clara, but is there a 93.5 in Cuba?" Keith also wonders if Evergreen CO may have finally come on the air on 96.5. He heard, via skip, ads for Winter Park and a "channel 2" on 96.5 July 23.

Charles Gauthier in Brossard PQ thinks my FM Atlas

is "the best publication of its kind I've ever seen. Since I've always enjoyed your VUD column for its accuracy, I would like to correct myself about the station at the Montreal Jazz Festival." That correction appears elsewhere in this issue. "By the way CIBL [Montreal] is still on 104.5; they've had problems obtaining the authorization for putting up their antenna on the Olympic Tower; the decision is still pending!" It was Charles who told me about the new Joliette station on 103.3, so maybe by now Alain Pepin has sorted that frequency out and decided which he may have heard. CFJO (no parameters known) does broadcast in stereo.

Back to "lame radio," Bill Nienajady accuses "98-Q," WDAQ 98.3 Danbury CT of having such a format, as does WMJV 105.5 Paterson-Pawling NY. "Heh, I'm glad to see the new buzzword is 'lame' radio. I noticed it in FMedia! I guess it really caught on!" Not exactly agreeing with Bill is Philip Michael Martin, who writes:

"In defense of WZVU ('Call Letters Assigned' July, 1989, FMedia!), they HAD to make some kind of change. With their locally-produced AOR format their rating had slipped from 3.3, good for 11th in the Monmouth-Ocean market's spring 1987 rating, and now showing a 1.8 and 19th place in the latest ratings. In going to their AC format that includes some borderline jazz/rock/new-age material, WZVU should increase their appeal to a slightly older market. . . As for your reader, I really don't see where anyone who has the capability to listen to stations ranging from Danbury CT to Long Island and the Jersey shore, and can list 11 stations in three formats that he still listens to, should get too upset about there being too many 'lame' stations not playing upbeat music. My listening range is similar and I don't complain; I either take advantage of such range, or play tapes!"

"To a slightly related item, I've just put together a tape called 'Hot City Set 12: New York city and vicinity, 92-108 FM'. It consists of scoped hours of New York city's contemporary stations from within and slightly beyond my listening range, and IDs from non-contemporary music stations. All airchecks are from mid-September 1989. And, it all fits on a 90-minute tape and is arranged in frequency order. Best of all, it sells for \$6, while other aircheck producers are selling their hour to hour and a half tapes for seven to eleven dollars." I can recommend Philip Michael's airchecks. Send your remittances direct to him, made out to No. 1 Market Airchecks, PO Box 568, East Hanover NJ 07936.

"Please print in FMedia! or in the UVD how to obtain from you information on the distances required for separation of FM stations. I am wondering if WKSG 102.7 Mount Clemens MI's coverage problems could be helped by co-ownership and simulcast with 102.9 WIQB Ann Arbor, which ruins Kiss-FM's reception on the west side," muses James J. Nahimiak. My FCC FM coverage curves and distances separations are \$3 postpaid. They might not help for WKSG-WIQB, for those stations could be "grandfathered" at reduced spacings from each other. "Possibly a transmitter move, power reduction, or move from 102.9 to 103.1 could help. Maybe WIQB becoming a Class A on 103.1 would allow WKSG to move to a more central metro Detroit transmitting site."

Los Angeles' loss of KFAC 92.3 to classical and replacement by KKBT 92.3 with rock is mentioned by W. R. McIntosh. The KFAC calls are being transferred to 88.7, KSCA Santa Barbara. Lots of print in the local media about the format change, but "there was more heat than light. There was a more or less formal hand-over of the classical baton from KFAC to KUSC, although KUSC has not increased their classical music programming—in fact, they've made noises about doing less of it." KKGQ 105.1, the jazz station, has gone classical from 5 a.m. to 9 a.m. and 5 p.m. to 9 p.m. "They hired Tom Dixon, who had been with KFAC 92.3 for 41 years to head up their classical music



Deano Day, longtime country music king now spinning the oldies at CKMR-FM (93.9), is today's TCL poster child.





new, unannounced site and height  
 SO Guadalupe XHOY 90.7 50000 h.v.  
 XHSC 93.9 90000 h.v. [period, "  
 FMedial is "the best publication of its kind/  
 "Stick with the SI system of measurement  
 ("metric") only—the only way to get used to it  
 is to use it. If you print a conversion table  
 showing meters and feet, you ought to  
 include cubits for those people who are so far  
 behind the times that they haven't accepted  
 inches and feet. (I wonder if the new modern  
 translations of the Bible use meters, too?)"

**Stereo, or to be Stereo**

AL Birmingham WVSU \*91.1, [jazz]  
 AK Adak N.B.S. (Navy Broadcasting Service), no  
 longer using "AFRM," \*103.1, now k, with  
 photo of site clearly showing their antenna  
 has vertical (circular) polarization  
 CO Snowmass Village KSNQ 103.9 mj, The  
 Breeze  
 GA Louisville WPEH-FM 92.1  
 IL Mattson WOL 101.3, ID with Charleston, k  
 IL Park Ridge WJMH \*90.5 (now playing  
 hits/AOR mix in stereo (new for the '89-90  
 school year). Also a better signal, "now 8  
 watts h.v.; 31 m.

IN North Manchester WBKE \*89.5 still r  
 IN Van Buren WCJC 99.3, k, had been testing  
 with no ID given, but now "C-99.3" (not  
 strict), 24 hours. "Gets out too well!"  
 KS Girard KYGP 101.1, r, "V-101"  
 ME Gorham WMPG \*90.9, moving its studio  
 from Gorham to the Portland campus of the  
 U. of Southern Maine.

MO Hurlock WAAI 100.9, k, "A-One Country"  
 MA Harwich Port WFXR 93.5, r, "Fox 93.5"  
 MO Webb City KKKL-FM 95.1, g  
 NE Chadron KQSK 97.5 back in \$, "both times  
 when I heard them... Maybe they turn it on  
 or off at times"

NY Sarasota Lake WSLI \*90.5, cm, simulcast  
 with WSLU \*89.5 Canton, displacing transi-  
 tor on 91.7. "12-106," (not strict)  
 OH Defiance WZOM 105.9, r (oldies), 24 hours/  
 OH Paulding Van Wert WKSQ 99.7, r (oldies),  
 on air, "Kiss 99.7" (strict). They are trying to  
 sound like the old WKSQ 98.9 Van Wert OH  
 by saying, "Kiss is back and we've moved up  
 the dial to 99.7." Sign off was 0100 (EDT)...  
 It gets out quite well.

OR Cave Junction KWNA 102.7  
 PA Salisbury WKHL 95.5, ID with Lock  
 Haven-WHampor  
 TN Alamo 93.1 WRBE, [beautiful music]  
 TN Signal Mountain WAWL \*91.5, back to  
 TX Rockdale KRRT 98.5  
 TX Tarkenton KTAL-FM 98.1—finally!  
 TX Victoria KEPS 100.9

WV Fairmont WRLF 94.3, simulcast with its AM  
 WI Milwaukee WVCY 107.7, but properly  
 dropping stereo signal when carrying mono-  
 phonic programs. "Your chat with Vic  
 Etison did some good. WVCY noted here  
 this evening running programs like "Back to  
 the Bible" in mono—no stereo subcarrier! So  
 apparently they drop the stereo subcarrier  
 during talk programming now!"

JA Guadalupe XHPI 93.1, 29000 h.v., but  
 claiming "60000" [by combining vertical and  
 horizontal radiated power—a no-no in the  
 U.S.A.]

Monophonic, Discontinuing Stereo  
 TX McKinney KSSA-FM 95.3, "The only station  
 I know that doesn't broadcast in stereo"

**Format Changes**

Formats are the same as in the "FM Atlas"  
 AK Adak N.B.S. ("Navy Broadcasting Service")  
 no longer using "AFRM," still \$, but r, with  
 vertical polarization (plus horizontal)  
 AK Anchorage KENI-FM 100.5, r, classic rock,

"The Fox" (rubbing out "Magic 100 FM");  
 new calls to be announced next month  
 AZ Page KXAZ 93.5 fm, \$ (Transtar AC)  
 AZ Phoenix KPHE \*88.3, to be g, \$  
 AR Little Rock KHLY-FM 94.1 mr ("not just  
 a"), no nonID, always saying calls  
 CA Coalinga KNCS 100.1 k (country)  
 CA Greenfield KSKR 99.5 c, "supposedly  
 parallel to KKGQ in Los Angeles. Is the  
 second classical station in the market (after  
 KRQQ), which doesn't make sense." KSUR  
 in stereo?  
 CA San Fernando KMGX 94.3, m, "Majic"  
 CO Crested Butte KButt \*90.3 fj, \$, "gospel  
 tainted"

CO Security KBZE 105.5 mj, The Breeze, ID  
 with Colorado Springs  
 CT Danbury WDAO 98.3, m, "lame like  
 format," and "98.0" (fairly strict), darkening  
 "Lite 98 FM," "WMJV Patterson-Pawling NY  
 is lame... Heh, I'm glad to see the new  
 buzzword is "lame radio." I noticed it in  
 Florida! I guess it really caught on!"  
 FL Belle Glade WBGF 93.5, r, \$  
 FL Jupiter WTRU-FM 99.5, r, ID with West Palm  
 Beach-Stuart (but not with Tequesta)  
 FL Sebring WCAC 105.5, m, "Class 105.5"  
 FL Titusville WGNF-FM 98.1 k, ID with  
 Daytona Beach, still "The Great 98"  
 GA Athens WALR 104.7 m  
 GA Brunswick WIOI-FM 100.7 rp  
 WHJX 101.5 rs, ID with Jacksonville FL  
 GA Hinesville WXLQ 92.1, \$, "Hot 92.0" from  
 "Q-92" [try 102.5]

GA Waycross WBGA 102.5 k, "Coun-/  
 ID Idaho Falls KSIF 96.1 m, "AC"  
 ID Pocatello KSEI-FM 102.5, r, live CHR  
 ID Sun Valley KECH \*95.3, r, "oldies and 'Ketch  
 95'" [jazz, unless on weekends]  
 IL Alton KATZ-FM 100.3 s, only, "no/  
 ID Aurora WKKD-FM 95.9, m, "lite rock"  
 WYSY 107.9, r, "more like just r now"  
 IL Casey WCBH 104.3, r, classic hits, \$  
 IL East St. Louis WSNL 101.1 m  
 IL Godfrey WLCA \*89.9 pr  
 IL Litchfield WSMI-FM 106.1 rp  
 IL Pittsfield WBBM-FM 97.5 k  
 IL Princeton WZOE-FM 98.3, m, "your station  
 for oldies and more"

IL Vandalia WKVR 107.1 m  
 IA Burlington KGRS 107.3 m  
 KS Wichita KEYN 103.7 still r, but oldies, ending  
 "21 years as a top 40 station"  
 KY Hazard WJMD 104.7 [gospel]  
 KY Lancaster WRNZ 105.1 m  
 LA Alexandria KRRV-FM 100.3 k, still "K  
 Double RV" [The Breeze  
 LA Belle Chasse (new) 102.9 to be mj,/  
 LA Thibodaux KXOR 106.3 m, "Transtar AC"  
 ME Bath WIGY 105.9, r, "contemporary hits"  
 ME Brunswick WCJZ-FM 98.9 mj, The Breeze  
 ME Calais WODY-FM 92.7 m  
 ME Houlton WHOU-FM 100.1 m  
 ME Lewiston WBLM 107.5 rp, "album oriented  
 rock" [easy listening  
 ME Machias WALZ 95.3 km, "country/  
 ME Madawaska WCXK 102.3 m, "adult contem-  
 porary," "I worked with Phil Ward of the  
 Bangor Daily News to put together this  
 radio-TV listing. Every station (in Maine) was  
 called to verify call letters, frequency and  
 formats." [\*90.3 Grantville,]  
 MD Frostburg WLIC \*97.1 g, "parallel to WAIJ/  
 WLIC, like WALJ, stereo"

MI Ann Arbor WAMX 107.1 mj, The Breeze  
 MI Houghton WAAH 102.3 to be m  
 MI Ishpeming WMQT 107.5, r, "hottest hits,"  
 with ID containing Iron Mountain-Houghton-  
 Escanabe-Marquette  
 MN Hibbing WTBX 93.9 rs, "Dance CHR"  
 MS New Albany WWDZ 106.7 k, still \$  
 MO Crestwood KSHE 94.7 p "only, no r unless

it's a crossover hit"  
 MO Eldon KLOZ 92.7 r (oldies)  
 KBMX 101.9 b, \$  
 MO Florissant KHKT 97.1 gives calls "very  
 rapidly" at :50-52 after a song, with the  
 weather [The Fox"  
 MO Harrisonville KCFX 100.7 m, still/  
 MO Lebanon KIRK 103.7 m  
 MO St. Charles KCCL \*89.1 m, "The new  
 MO Ste. Genevieve KSTZ 105.7 m, "The new  
 Kiss FM" ["talk/MOR," still mono  
 MO St. Louis KSLH \*81.5 m,/  
 KSD 93.7, m  
 KJMJ 107.7 mj, "The Quiet Storm," not a  
 nonID (still "Magic 108")  
 MT Anaconda KGLM 97.7 k, \$  
 NJ Atlantic City WPPG-FM 96.9 mr, "Lite  
 96.9," a "lame format"  
 NY Sarasota Lake WDGE 101.7 m, "standards"  
 NC Banner Elk WZJS 100.7 k—is it stereo?  
 NC Gaston WLGO 97.9, r, "97-Q"  
 NC Hickory WEZC 102.9 m, "vocal easy  
 listening"  
 NC Murfreesboro WBCG 98.3 s, "R&B oldies"  
 OH Gibsonburg WRED 95.7 r (oldies via  
 satellite), ID with Toledo, "Red Hot"  
 OR Ketchum KGDQ 107.5 m, \$, ID with Tulsa  
 OR Bend KWGX \*105.7 being sold to an  
 undisclosed commercial operator. Will be  
 replaced by translators in Black Butte and  
 Sunriver, "so that we can maintain as much  
 service to central Oregon as possible." Trans-  
 lator stations as cost-effective than running a  
 full-power station in Bend.  
 OR Pendleton KSXM 107.7 r (oldies), "X-107"  
 PA Ridgeport WMBK 96.9, simulcast with  
 WEHR AM

SC Lake City WOTR 100.1 k, Drake country  
 TN Clinton-Knoxville WTNZ 95.3 g, apparently  
 still "Power 95"  
 TX Houston KLDL 94.5 r (oldies)  
 KQUE 102.9 m, "Jary Christian"  
 TX Humble KSHB \*89.3 g, "contempor-/  
 TX Midland KXHB 106.7 r, CHR, \$  
 TX Monahans KWES 102.1 m, AC oldies  
 TX Wichita Falls KQVQ 103.3 r (CHR), still  
 "QV-103"  
 VT Middlebury WKVM 100.9 k  
 VT Warren WBSH 96.1 r, on air, SMN Pure oldies  
 VA Boston WDOG 97.5 rs, "K-Power"  
 WA Cheney KEVF-FM 101.1 m, "The Breeze  
 WA Grandview KARY-FM 100.9 k  
 WA Seattle KEZZ-FM 98.9 pj, "as well as liberal  
 amounts of... obscure pop, reggae, blues,  
 folk and country. Sell one of the truly rare  
 (and appreciated) gourmet music stations in  
 North America. This format should be in  
 every major U. S. and Canadian city! NonID:  
 "98.9 Northwest Progressive" (not strict).  
 WA Tacoma KBSG-FM 97.3 r, oldies. "Now that  
 they have their AM in Auburn they seem  
 ashamed of it and now at :52 whisper very  
 quickly "KBSG Auburn" and they don't  
 bother to ID the AM or even acknowledge it  
 at the top of the hour."  
 WA Walla Walla KNSN 97.1 all news, (cn),  
 "News 97." Remove stereo listing, as appar-  
 ently carries no music or talk programming  
 with audio separation  
 WV Bridgeport WDCI 104.1 mr, "Drake Prime,  
 soft-c"  
 WV Princeton WKMY 100.9 mr, Transtar 41  
 WI Tonawanda WZFR 94.5 to be mj, The Breeze  
 WI Watertown WTEK 94.1 r (CHR), back on the  
 air, "94-1 The Fox" (not strict). "IDs  
 Watertown only, but in front of a jingle that  
 says "WTFX Wisconsin." Station's new tower  
 only 23 km east of Madison. "With two new  
 commercial FMs in the application process at  
 this time, as well as one religious station and  
 one Family Radio translator, we're going  
 from 11 to 16 FMs in just two years or so!"

NB Moncton CJMO 103.1 denied increase in hit  
 factor from 35 to 49%  
 NS Halifax Dartmouth CFRQ 104.3 still r, but  
 CRTQ "denied increase use of hits [and  
 noted] an erosion of the programming  
 commitments" given in 1987 when present  
 owners took over. [English announcers]  
 PQ Montreal CFRQ 92.5 m, "very AC to me,"/  
 CKMF 94.3, r, "Say Kah M-F," mix of about 2/3  
 French and 1/3 English hits, all French  
 announcers  
 CJFM 95.9, m, "has really lightened up—more  
 an uptempo AC now. Still "FM 96," but uses  
 calls often. All English announcers, but some  
 brief promos in French."

**On Air (Selected)**

AK Unalaska-Dutch Harbor K218BG \*91.1  
 AZ Williams KDAN-FM 96.7 Stereo?  
 CO Pagosa Springs KRGS 106.3, back on  
 GA Rockmart WFSH-FM 107.1 now with 50000  
 h.v.; 150 m. "South 107," nonID, "very strict  
 and no call heard anywhere before or after  
 the hour." DXers, check this out!  
 ID Mountain Home KLVJ-FM 99.1, having  
 moved from 99.3, but running only 3-6 kw  
 and not their authorized power of 100 kw  
 IN Valparaiso WZ16AC \*91.1, back on  
 MA Newton WZBC \*90.3 with a new 1 kw  
 transmitter, replacing one 20 years old. "Now  
 our signal is clear and goes a lot farther; we get  
 calls from Milton, up into New Hampshire  
 and a lot of the South Shore."

MN Hermantown-Adolph W280CT 103.9, IDed  
 thrice daily by primary as FCC rules prescribe:  
 once between 7 and 9 a.m., once between  
 12:55 and 1:05 p.m., and once between 4 and  
 6 p.m. local time. "Why do you want to  
 create this translator, which only clutters the  
 dial, when the primary is perfectly receivable  
 in the area?"  
 NY Elmira WC1H \*90.3, \$, simulcasting with  
 WC1K \*103.1 Bham. "They were amazed that  
 they were getting out so far" [with WBAU-  
 WHPC Garden City NY off the air Monday  
 through Thursday mornings].  
 NY Valhalla WARY \*88.1, moving from 88.5.  
 But just testing on 88.1 for now, with a new  
 Broadcast Electronics exciter, running at 47  
 watts, new antenna and tower. "The WARY  
 CP was running out, for the third time, and  
 Bob was anxious to test it. WEDW, Connecti-  
 cut Public Radio in Stamford, will be  
 occupying WARY's current frequency of  
 88.5, so they must vacate quickly." Mildly  
 concerned about all this is WCWP \*88.1  
 Brookville NY, which has noticed interference  
 to its signal from the new WARY.  
 OH Toledo WOTL \*90.3 g, \$, Family Radio, on  
 24 hours. "I may be in their null. They are  
 protecting Fort Wayne with a d-a."  
 WV Parkersburg WVPG \*90.3, \$, WV Public  
 Radio Network  
 WI Evansville-Janesville-Beloit WJMB 105.9 had  
 "hoped to serve Madison as well, but their  
 signal is spotty and covered with intermod in  
 most of this city."

**Off Air or Not Yet On**

CA Cartago KWTY 102.9  
 CA Chicago KZFR \*90.1  
 CA Colusa KKLK 96.5, "or inaudible from  
 Chico, next city"  
 CA Lone Pine K282B 106.3  
 CA Nevada City KVMR \*89.5  
 CA Farndale KWHZ 99.3  
 CA South Lake Tahoe K212AJ \*90.3  
 CA Temecula KRRR \*88.9  
 CO Granby K28DU 105.5  
 CO Gunnison K244AB 96.7  
 CO Montrose K261AA 100.1, K296AK 107.1  
 CO Nevada K269AB 101.7  
 CO Steamboat Springs K257BM 99.3  
 CT Stamford WEDW \*88.5, "although they were

originally supposed to come on about three  
 years ago... You comment that they will be  
 directional away from New York city, which  
 may be true, but the main feature of their  
 pattern is a deep null to the ENE to protect  
 co-channel WVOF in Fairfield, only about 23  
 km away. I for one would be interested if you  
 could include more info on directional FM  
 stations in future editions."

IL Marshall WMMC 105.9  
 IL Rantoul WLTM 96.1  
 IN Attica WBQR 95.7  
 IN Bloomfield WBBQ 101.1  
 IN Clinton WPNL \*93.9  
 IN Kentland WPNI 101.7  
 IN Mitchell WOTS 102.5  
 KS Dodge City KLLS 93.9  
 KS Oakley K208AE \*89.7  
 MD Salisbury WDIH \*90.3  
 NE Blair KBWH 106.3 and 105.5 Omaha  
 translator rumored to be off. No answer at  
 their Omaha telephone; studios had moved to  
 Omaha, and owner who lives in Columbus OH  
 was overheard saying he wanted out of the  
 market. Station has been plagued with signal  
 problems and was seeking a low transmitter  
 site. DXing KHAT-FM 106.3 Lincoln facilitat-  
 ed.

NV Carson City KNIB \*91.3 or its translators.  
 KNIS 94.7 in Carson City is being sold and  
 will operate commercially, with the KNIS  
 programming to go to 91.3.  
 NM Espanola K212AN \*90.3—still operating as  
 K214AD 90.7 [be silenced by the FCC  
 NY Brooklyn "WHQT" (pirate) 91.5, said to/  
 OH Cadiz WEIR-FM 106.3  
 OH Fort Shawnee WFSO 107.5, plus "all of the  
 10-watters around Logan County—105.7,  
 106.9, 103.3, 98.7, 91.7, 97.3, etc." but  
 might have been off for the summer.  
 OH Greenville WDRK 106.5 "still off air"  
 OH Loudonville WBLM 107.7  
 OK Lahoda KGPD 95.7, "no doubt another  
 Enid rimshotter like KXLS... A spare car  
 radio memory is on 95.7 just in case."

UT Blanding KSMH 92.1  
 WV Parkersburg WMPG 99.1, still on 99.3

**Deletions**

CA Eureka K215AP \*90.9  
 CA June Lake K272BE-102.3  
 CA Mammoth Lakes K218AK \*91.5  
 CA Red Bluff K257KB 99.3  
 CO Steamboat Springs K249AW 97.7, had been  
 listed as licensed in 1987.  
 CT Fairfield W220AB \*91.9, was on a year ago  
 "reportedly coming from a location in Wilton  
 CT. That signal is not present now," and most  
 likely deleted because of protests from  
 10-watt WSLX \*91.9 New Canaan CT, as well  
 as the fact that Family Stations, Inc. is  
 running WFRS \*88.9 Smithtown NY, which  
 serves the area well!

IN Terre Haute WFEF \*91.3, never operated  
 MI Rockford WGRF \*91.9, Family Stations, Inc.  
 MN Crookston K214AI \*90.7  
 NM Counselor K214AI \*90.7  
 NM Las Vegas K249BR 97.7  
 NM Nagezi K208AL \*89.5  
 NM Star Lake Trading Post K219AI \*91.7  
 OK Enid K237BW 95.3 has "never existed," with  
 KQMJ 99.5 Henryetta reception impaired in  
 the area by KXLS 99.7 Ake-Enid  
 K272CF \*102.3 has "never operated," despite  
 the FCC's saying it was licensed in 1986.  
 KYPT, FMedial, col. 1, p. 4, pertaining to the  
 NEDY call is for this translator gave the wrong  
 frequency—103.1, which is for Enid KO.FM.  
 PA Sellersville W204AD \*88.7 [see "New,"  
 above]

TX Bryan K257CR, a c-p never activated  
 TX College Station K272BS, a c-p. "I've tried in  
 College Station for the last two years, and

neither of them has come on the air."  
 WV Institute WEYS \*90.9, FCC dismissed its  
 "license to cover" application. Station never  
 operated.  
 WY Lyman K296AG 107.1  
 Be like Glenn Hauser, supplier of much of the  
 data in part of FCC-FM news. As you  
 travel, listen for translators shown in the FM  
 Atlas, and note which ones are on and which  
 aren't. The ones not on I can check the FCC  
 microfiche to see if they are still listed or not.

**FM mistakes, FM Atlas-12**

CO Loveland KTRR 102.5 listed as 102.3, p. 113  
 (coverage is 49 km) [113].  
 MS Ellenville WBSJ 102.5 listed as 102.3, p./  
 NC Albermarle WABZ-FM 100.9 not "WQBZ-  
 FM," p. 117  
 OH New Philadelphia W218AF \*91.5 (WCRF  
 103.3) translator missing from p. 139. A DXer  
 claims Bainbridge OH, WKHR \*88.3, missing  
 from p. 40 map. It is on p. 41 map. There are two  
 Bainbridge Ohio locations, and this is the one north of  
 Streetsboro.  
 PQ Quebec CHOI 96.9 missing from p. 164 FM  
 Atlas-12. Is \$, 361 m, 81000 h.v. For some  
 reason, this station has never appeared in the  
 frequency directory of any FM Atlas.

"All those Texas insets make it a nightmare to  
 deal with. Please spread it out to more pages or  
 whatever is necessary to bring the state back  
 together."  
 "Most California coastal translators correct as  
 shown in Atlas, but many in the eastern part of  
 the state were very different from the Atlas. Less  
 FCC scrutiny out that way? Scrutiny anywhere?  
 FCC? ... I made continual use of the Atlas on the  
 way, with pages beginning to fall out. Perhaps I'll  
 have a second copy before the next edition  
 comes out. The small size of the book is easy for  
 auto use, but I still would prefer larger maps in a  
 larger book."

SC Services, 57, 67, and "92 kHz"  
 Abbreviations are as in the "FM Atlas"

GA Griffin WKEU-FM 97.7 1P [aging], 92 kHz  
 IA Des Moines KRNO 102.5 t2, 67  
 ME Bangor WPCB 92.9 tMusic, 67  
 MI Dearborn WHRF \*89.3 experimental t(H),  
 "57 kHz RDS for Motor Co. testing."  
 WNIC-FM 100.3 t(X), 57 kHz Cue Paging, not  
 67 kHz [Cue Paging, has music, 67  
 MI Lansing WITL-FM 100.7 t(X), 57 kHz/  
 MN Duluth KQDS-FM 94.9 no SCS (had 1P, 67)  
 MO Marshfield KTOZ 104.9 no SCS, "discarded  
 their SCA" about the time they changed to  
 country music on the main channel

PA Philadelphia WRTI 90.1 FM, 92 kHz AEI, in  
 addition to Greek, 67. The music is all  
 instrumental, "delivered to our transmitter  
 site by Ku-band satellite. The local AEI  
 franchise is using our SCA to provide service  
 to businesses in high-rise buildings, such as  
 those in central Philadelphia, where satellite  
 dishes cannot be installed on rooftops, or  
 they would not have the proper "view" of  
 satellites. You discussed direct satellite trans-  
 mission replacing SCA in the last FMedial.

This may happen in rural areas, but there are  
 many complications involved with installing  
 satellite receivers in congested urban areas.  
 FM-SCA receivers can frequently operate  
 well with indoor antennas, or can be fed by  
 MATV or CATV systems if necessary, and  
 therefore are well-suited for use in urban  
 business districts."

PA Pittsburgh WYEP \*91.3 has t(D), Cue Paging,  
 57 kHz; YE, Greek, 92, the Greek Network of  
 America, said to be "altruistic SCA contract."  
 But, "as to prices, I'd prefer to make your  
 acquaintance over the telephone before  
 discussing that information."

The "Krusher" Dies FM Translator Abuse?

WI Superior KZIO 102.5 FM [reg] 67. "We took the paging subcarrier from KZIO-FM (94.9 DuSinh MN). It drops its carrier between pages, as all modern paging SCAs are doing."

WI Wisconsin Public Radio (statewide): "WR RS," the Wisconsin Radio Reading Service is "broken." Looking for donations to restart it as the "New Wisconsin Radio Reading Service," and needing \$64,000 to get out of the ashes. Seeking corporations that would be willing to donate \$1,000 or more, or buy radios. Contact them at PO Box 5541, Madison WI 53705; they're applying to the IRS for nonprofit status, so donations to them can be tax-deductible. Is carrying MN Talking Book for the Blind now.

ON Windsor CJOM 88.7 FR, 92 (foreground music, not 67 kHz). "All other listed information you have is correct with regard to SCAs, per our observation."

NonIDs, Not Just Slogans

AL Arab WCRQ 92.7 nonID (from "93-CRO"), "Lite Hits 92.7" with call AL Montgomery WBAM-FM 98.9 O Idies-99 CA Headbanger KHTT 92.9 Heat CO Avon KZVR 103.1 no nonID (was "Z-103"); uses "The Zephyr," but always with call CO Steamboat Springs KSBT 96.7 K-Steambot FL Dunnellon WTRS-FM 102.3 102.3 Proud Country, ID with Ocala FL Fort Pierce WKGR 98.7 98.7-KGR (back to FL Gainesville WYKS 105.5 Kiss-105 (from "105 Kiss FM") FL Jacksonville WAPE 95.1 Oldies-95. "That leaves Jacksonville without a rock formatted FM station."

GA Canton WCHM-FM 105.7 K-Country (re-summed) "91.3 Joy-91 GA Fort Valley WJTG/ [Stereo 96"] ID Lewiston KOZE-FM 96.5 The Z, shedding/ IN Fort Wayne WBLC "90.3 FM-90 IN Indianapolis WXTZ 103.3 Magic 103.3 MO Carthage KRKG 104.9 K-105.5, NM Bloomfield KMYO 104.5 Cameo NM Los Alamos KBOM 106.7 no "K-Boom" NM White Rock KKBZ 101.1 The Breeze OH Cincinnati WAKW "93.3 Magic 93 WHEZ 92.5 no nonID (had been "EZ FM-92") OH Hamilton WBLZ 103.5 Z-103 (from FM-103%)

OH Middletown Kettering WPF6 105.9 The Rebel, adds Dayton to ID list OH Mount Vernon WQIO 93.7 Super Q OH Urbana WKSW 101.7 Kiss Country OH Zanesville WCVZ "92.7 FM-93 OK Canfield KRMK 99.3 Oklahoma-99 TX Canadian KEZP 103.1 Zip-103 TX Longview KYKX 105.7 Kicks 105 (not "Kicks 105")

TX Perryton KEYF-FM 96.9 FM-96 TX Tarkenton KOSY-FM 102.5 drops "Y-102," "Just uses KOSY calls," (then "FM-99") TX Victoria KTXN 96.7 99-FM used more often/ VA Yorktown WKEZ 94.1 Keys Country (from "EZ-94")

VA Seattle KMGJ 107.7 I-107 (rub) ON Windsor CJOM 88.7 88.7 The Mix, "very strict-no longer uses call at all," as is legal for Canadian FMs, format unchanged, with reporter claiming the signal seems stronger than it did a year ago

Multi-City IDs in Use

AR Jacksonville KEZQ-FM 100.3 with Little Rock (not North Little Rock), still b, \$ IL Chillicothe WBZM 94.3 with Peoria, not Peoria Heights, still r, \$ IN Delphi WJNJ 102.9 with Monticello KY Bowling Green WCVC "90.7 with Glasgow-Franklin

"Interesting on your translator. I've sometimes wished I had one, but only if completely free to choose what to relay at any given time! I believe you said primary is a country and western station. I should think there would be more valuable sources, but maybe your market is hurting for that?"

Advertising in "Religious Broadcasting" magazine: Engineer, satellite project—Moody Broadcasting Network is seeking applicants with translator expertise to play key role in network development. Requires knowledge of translator installations, including preparation of FCC application, equipment selection, and managing on-site project. Contact Moody Bible Institute, Personnel Department, 820 N. LaSalle Drive, Chicago IL 60610; (312) 329-4231.

AM Happenings Most Likely Caused by FM (selected—more are in FMedia)

CA Pismo Beach KRDE 1200 deleted FL "The oldest radio station in" Fort Walton Beach WNUF 1400 off the air, succumbing "to the changing tastes of radio listeners and the hard reality of the bottom line." IL Vernon Hills WNVN 1030 ends its carrying of Six Flags Great American Amusement Park promotion (see July FMedia), p. 5, col. 1. "It was a great 90 days; now we are back to carrying the Business Radio Network fulltime. I am interested in an SCA project, and need to know how the Chicago Class Bs get out with their 67 kHz signals." IA Des Moines KSOA AM 1460 quit its separate country programming "because of low ratings." NV North Las Vegas KRSR 1140 drops its "Krusher" heavy metal format, for a simulcast with KLUZ 98.5 FM. "KRSR was famous for its 'FM is dead!' proclamations when the all-metal format was instituted a couple of years ago. But they couldn't get teens to listen to AM, no matter how hard they tried. With a simulcast, the AM simply becomes an appendage to the FM, so slightly higher ad rates can be charged." NM Santa Fe "Venerable KVSF 1260 now demoted to a simulcast with KNYN 95.5, 'Canyon Country,' without even mentioning an AM ID."

OR Klamath Falls KJLU 1340 deleted PA Chambersburg WCBG 1590 had gone off, but back on the air with oldies, simulcast with WGLL 92.1 Mercersburg-Upton PA. SC Hanahan WKAQ 1040 deleted VA Jamesville WKRE 1520 deleted; WKRE-FM 107.5 Exmore continues VA Tuckahoe WGNZ 720 deleted

FM Rulemakings Proposed. Selected—more are in FMedia First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AK Bethel 98.3C3 from 107.9A, KBTB, counterproposal AR Mesa 102.1C2 from 101.7A, KENA-FM, AR Murfreesboro 102.1C3 from 95.3A, KMTB, counterproposal ID Sandpoint 95.3C1 for A, KPND / ID A 102.1C3, Oct. 23, Nov. 7 UT St. George 95.9C, Nov. 6, 21 WA Davenport 97.3A from 102.5A, with Sandpoint ID [KAAR, with above WA Medical Lake 101.9C2 from 95.3A/

FM Rulemakings Finalized (selected)

Dates are when FCC filing windows are open CO Idaho 94.1A, Oct. 23-Nov. 22 [30 FL Fernandina [Beach] 105.3A, Oct. 31-Nov. / GA Ringold 93.7A, Oct. 11-Nov. 9 IN Ligonier 102.7A, Oct. 23-Nov. 22 LA Rayville 92.3A from 92.1A, KTJC MD Bishopville dismissed bid to add 106.9A MI Gladstone 105.5C1 from A, WCLS SC Blackville 97.9A, Oct. 27-Nov. 16

SC Ravenel 101.7C2 from A, WMLG "Keep up the good work with the FCC column and FMedia! Even though I haven't yet subscribed, I will at a future time."

Non-Comm Translator Issue Settled?

Now the FCC has finalized action agreed to by various parties in the dispute involving noncommercial FM translators (88-92 nmz), picking up their signals off satellite. It's a compromise, which requires a translator to be within 80 km of the 1 mV/m contour of its primary station, or more than 160 km from any full-service noncommercial station. Previously, stations were allowed to line up translators wherever an open frequency was available, but except for Alaska and Schroon Lake NY, that option has not been exercised. Stations can still apply for translators if they can prove they will not be using the last available noncommercial channel in the market. This rule, however, is designed to be short-lived, as it is to expire in three years. The National Federation of Community Broadcasters, one of the parties filing comments opposing the Moody Bible Institute petition, says in its newsletter: "Our request for prior proof on non-interference by each applicant was not adopted as part of the final ruling. But we agree with Commissioner Quello, in his separate comments he states 'We must carefully balance the need to develop the noncommercial band against the fundamental objective of promoting local non-commercial service. The rule adopted by the Commission strikes a reasonable balance. . . I would have preferred that the Commission utilize the interference standards. . . a superior policy would insure that there is no interference before an application is granted.'"

National Association of Broadcasters Opposes NJ FM Translator Origination

Saying it's "ill-timed and unjustified," the NAB has asked the FCC to deny a request for Gerry Turro's W276A-Q 103.1 Fort Lee NJ to originate programming. The NAB points out that the FCC had denied Turro a nearly identical request in 1986, which was upheld by an appellate court. [See FMedia, Sept., p. 7, col. 2.] NAB "refuted Turro's claim that the area is devoid of radio service and said he has not presented any documentation that Bergen County is somehow underserved. NAB noted that Bergen is served by dozens of broadcast voices," including several licensed to cities in the county. NAB charged Turro with attempting to avoid the FCC's IFM allotment procedures and use the "back door" in order to put a new FM radio station on the air [and] said if the FCC does consider the request, it should be done only in the context of a future rulemaking proceeding which should address "a wide range of FM translator issues."

Class A FM Upgrades Endangered?

In a filing to the FCC, the Federal Aviation Administration opposed the upgrading of 149 Class A FM stations to the new Class C3 (25 kw) at their present sites. Move may be the precursor to the FAA opposing all Class A upgrades, and "brings to light an on-going problem between the FCC and the FAA." The NAB says in its publication, RadioWeek. The FCC fears FM station interference to aeronautical frequencies in the 108-118 mhz band. It wants stations not to be allowed to increase automatically, but

first notify the FAA of their intention to increase power. NAB claims the FAA is becoming somewhat of a "spectrum manager" by denying broadcasters access to the spectrum that is normally the FCC's domain. "While it may be that the FCC will dismiss this latest FAA filing on C3 upgrades (and take similar action were the FAA to challenge the more recent FCC Class A 6 kw upgrading decision), the conflict between the two agencies likely will continue for some time. Also, it is expected that the FAA will persist in its denial of new station applications and modification proposals by existing FM stations. NAB is working closely with the FCC (which generally shares the broadcaster position on this controversy) and hopes that it can be resolved."

Alaskans Give Cold Shoulder to Public Translator

Officials of the city of Chignik decided the small town doesn't need and cannot afford a translator of KMXT "100.1 Kodiak. Said relay would have been funded by Exxon through the Kodiak Emergency Services Council. "Grassroots" group in the community does think the town could support such a translator, and is seeking to have it located on private land. Some Chignik folks have wondered if city officials may have a conflict of interest, since one of them is involved with a group involved in bringing a Moody translator to town, K220CL "91.9. Retorted Ronald L. Bowers, fire chief, and chairman of the board of the Chignik Radio Association, group having a construction permit for the Moody translator, "It is totally nonprofit. Nobody makes any money on it. I'm not trying to shut down one station over the other." Another city official said, "We've got a lot more important things to do than haggle over a radio station. I see it as getting more into entertainment than the news."

Other Small-Print Happenings and FM Industry News

The 550 people living on St. Paul Island AK apparently appreciate KUHB "91.9—enough so that they donated \$14,481 in three days of fund-raising. Alaska Public Radio Network sent a staff member there to recruit volunteers interested in helping KUHB. Workshop participants dreamed up a catchword for their efforts, calling it a "funaiser." The Pribilof School District holds the KUHB license and the City of St. Paul furnishes the space and electricity.

W TLC 105.7 "stereosoul Indianapolis" is a winner of a 1988 NAB Crystal Radio Award: "This stand-out has the largest FM news staff in Indiana and in the past year alone has garnered more than 30 awards for public service and news."

The NAACP and the National Black Media Coalition have asked the FCC to investigate the lack of minority employment at Grand Rapids (MI) area radio stations. "I have never seen a market where more stations have failed to comply with minority hiring practices," David Honig, a Miami NAACP attorney active in filing petitions with the FCC, said. Stations facing challenges include: WCUZ-FM, WFUR-FM, WGRD, WLAV-FM, WLHT, WOOD-FM, WKLO, WJOK, Jim White, vice president of WOOD radio, said he had "absolutely no inkling of this," claiming his stations conform to federal EEO guidelines.

WHRO-FM "89.5 Norfolk has received FCC approval for "a new radio station" for jazz and eclectic music programming, to replace that which was displaced when the station went classical in 1983—most likely, WHRR "90.3 Chesapeake.

Despite a severe budget cut, KSQZ "91.7 Point Lookout MO is remaining on the air, and with full NPR service. It has laid off four of its five full-time employees, and will take NPR programming off the air from KSMU Springfield MO. Local programming expected to be handled by volunteers.

One of the Louisville Public Library stations, WFPK "91.9, has increased its schedule to 24 hours, probably causing consternation to local DXers, and using the "positioning statement" of "where the arts come alive."

NTIA survey shows new full-service radio (and TV) stations not needed, but concedes that "public radio broadcasters will eventually reach unserved areas using repeater stations and signal translators. But some remote areas will never be served." Wyoming is the state with the smallest percentage coverage in public radio with 47 percent, while Washington DC is the only area 100 percent covered. Approximately 3.3 million Texans and 2.8 million Pennsylvanians are without public radio. Thirteen states have coverage of over 50 percent of the population. Some markets without public radio: Selma AL, Albany and Macon GA, North Platte NE, Ardmore-Ada OK, Johnston-Altoona PA, Laredo, McAllen-Brownsville, Odessa-Midland, San Angelo, Tyler and Victoria TX. The reports say "further expansion efforts in public broadcasting will be inhibited by start-up and maintenance costs, terrain problems in mountainous or river bottom areas, a lack of available frequencies due to proximity to Canada or Mexico, proximity of a television station broadcasting on adjacent-to-FM band channel 6, or competition from a multitude of low-wattage noncommercial stations."

A stereo FM broadcasting station on an IC chip. That's the Rohm BA1404, a 16-pin IC requiring only 1.25 to 3 volts DC to power it at 3 ma, such as from a single A cell, and is "ideal for new wireless microphones, surveillance devices, and for other low-power broadcast uses," with a stereo

separation of 45 dB. It will also accept the stereo output of a CD player and broadcast to a nearby FM car radio or portable with a range of 15 to 30 meters. Cost of the chip is about \$1.50. For more information, contact the maker, Rohm Corporation, Box 19515, Irvine CA 92713; (714) 555-0818.

The second edition of "European FM Handbook" now available. It also includes information on FM stations of the Near East and North Africa. It includes data on station frequencies, transmitting powers, transmitting sites, programs (including local programs), addresses, telephone numbers, along with maps and telephone numbers. Stations listed country-by-country and in frequency order. It is compiled by Mr. Timo Leponiemi at a price of 120 Finnish Markkas outside Europe, and can be ordered from Timo Leponiemi, Tukitie 18 D 42, SF-00760, Helsinki FINLAND. The second edition now lists over 20,000 stations, up from the 14,000 shown in the first edition.

Former radio pirate now respectable broadcaster Bruce Quinn, 32, now operating WMRS 107.7 Monticello IN, along with his brother-in-law. He's also involved in FM ventures in other small towns, including applications in Brownsburg and Ellettsville. "With a typewriter and a personal computer set atop a clunky old gray desk, Quinn petitions the FCC to approve the frequencies he's found. Squinting his eyes to focus, he unlocks a cabinet and removes the maps [including an FM Atlas, clearly visible in the AP picture on the console in front of him], frequency data and correspondence that have become his tools. It's called going by the book, a complete turnaround from the days he dubbed himself 'The Flying Dutchman' and broadcast illegally from a station he and his partners called Jolly Roger Radio.

"Today, using a high powered antenna and radio receiver, Quinn slowly scans the airwaves across the Midwest, ticking off call letters from his hometown of Springfield to Detroit to Green Bay. 'What I hope to do is have local people come in and do their own programs.'"

From the classifieds: Nonprofit radio reading service for the blind and print handicapped needs two R-Rs and two cart machines in good condition; will pay for shipping. Cynthia Clark, CRIS Radio, 589 Jordan, Wethersfield CT 06096.

McMartin SCA receivers, large qty. available. R. Giller, IL Farm Bureau, 1701 Towanda, Bloomington IL 61702; (309) 557-3252. Nems Clarke 8-tower directional antenna monitor, BO or trade for AM or FM modulation monitor. F. Vobbe (a DXer!), GNBC, PO Box 5031, Lima OH 45802; 419-228-4199.

FMedia! Subscription Price to Increase

If you've been thinking of subscribing to my FM newsletter, which has more news and newer news than this column, now's your chance to do so at the rate of \$18 per year. Renewals also accepted from DXers whose subscription is to expire Dec., '89. The new rate not announced, but it could be as high as the \$45/year charged those in the broadcasting industry.

Back issues of the "FM Atlas and Station Directory" for sale. Don't let today's higher prices keep you from enjoying the Atlas (if you want old news), or get a back issue and read the introductory essay and FM news from another era. Eleventh edition 1988 \$9.95 (seven copies left), eighth edition 1982 \$6.95 (one copy), fourth edition 1976 \$2.95 (one copy), third edition 1975 \$2.50 (one copy), second edition (reprint) 1973 \$2.50 (about 50 copies). Add 55 cents per order for postage.

See Also October 1989 For:

- AL Dathan WOOF-FM 99.7 format change to (rock), Smolarek, p. 41. AR Hoxie KHDX 100.5 apparent format change to (oldies), still mono, Fela, p. 50. [nonID, Nianajadi, p. 38. AR Mammoth Spring KAMS 95.1 "K Country 95," not "Stereo 95"/ FL DeFuniak Springs WOUH 103.1 "Q-103" (from "FM-103"/, Fela, p. 50. FL Palm Beach WRME 97.9 question/answer format change from rock to country, Cooper, p. 42. [Mix"/, Cooper, p. 42. FL Riviera Beach West Palm Beach WMOX 94.3 adds Boca Raton and "The IA Cedar Rapids WMT-FM calls remain that, not ("KCRK"/), and nonID now "96/FM"/, George, p. 38; Pepin, p. 35. IA Fort Madison KKBK-FM 101.7 (rock); no nonID, apparently dropping FM-102.3 "Pepin, p. 43. Strobal, p. 42. LA Kaplan KMOL 97.3 "K-Middle" nonID, Eberling, p. 42. MI Alpena WHSB 107.7 "HSB-100" nonID, Soransen, p. 40. MN Albert Lea 96.1 calls are KQPR, format (rock), "Power 96" nonID, Sherman, p. 51. I'd like to know if KQPR is stereo or not. MS Laurel WNSL-FM 100.3 was Chris Johnson's mystery "SL 100" on 100.5, p. 28. The G-E Superadio is not that accurate for telling if you are on 100.3 or 100.5; anyway, even if you were tuned to 100.5, the station could still have slipped over onto that frequency. NJ Dover Township WKTW "91.1. The reason Joe Fela (p. 50) probably does not get it is because it is only 50 watts horizontal (1000 watts vertical); most DXers' antennae are horizontally polarized. NY Buffalo WFBB "89.9 on air," "Station News," p. 36. NY Poughkeepsie WRNQ 92.1 apparent nonID, "Q-92," Fela, p. 50. TX Abilene KORO-FM "Double Q" 101 nonID, Sittel, p. 31. TX Mineola KM00-FM 96.7 "100.0" nonID, Fela, p. 50. Is it still monophonic? TX Winfield KYKM 97.7 "Kick'em Country" nonID, Fela, p. 50. VA Appomattox WZST 102.7. Need to know if it broadcasts in stereo, Mancuso (after whom a new TV series is being named?), p. 29.

## FCC-FM Top 50 list of "Lame Radio" to Come Out

LA 3hr report KWKH-FM 94.5 "Radio Ranch" (from "Country Ranch"), Lun, p. 28.  
 NSSydney CKPE 94.9 "K 94 FM" nonID (not "K 95 FM"), changing from  
 "Cape Country 95," Fels, p. 50.  
 PQ Jonquiere CHOC 92.5 stereo, Merrill, p. 45.

The October VUD came just in time to make this column while the printer was slowly grinding away. In other news from today's mail:

Alain Pepin says he's testing a Nikko Gamma 30 receiver, digital, sensitive, NOT selective, with some 4 mhz splatter. He has heard the new CFJO 103.3, claiming it is in Thetford Mines, not Joliette. Wherever it is, it's "youth oriented, rock, current hits, French," presumed stereo. Perhaps by next month the mystery of its location will be cleared up.

"Correction on Sept. '89 VUD: CIMO 106.1 Magog still 'See-Mo' with dance music. 'Star 106' is a special feature about new artists, etc. While we're at it: CKMF Montreal's 'F-94' is the station's van, not a slogan, CIRO 99.7 St. Georges dropped IDs, now strictly 'Le FM Country,' no more syrup, acid rain?"

Honorable Lame Radio Doctor Bill Nienajadly sent an article about WHTZ 100.3 having to share the top ratings spot with WLTW-106.7. Next in line were WPAT-AM-FM combination, WINS AM, WOR AM, WCBS-FM, WNEW-FM, WRKS, WOHT and WBSL. Howard Stern's WXRK was in 11th place. An AM Happening (FM station saboteurs?) was WABC 770 silenced for the third time in three weeks, the most recent being Oct. 2 from 5:30 a.m. to 9:45 a.m. Station doesn't know what the cause is, but they are, for now, ruling out mischief. Bill did not hear Blairstown NJ's Family Radio translator, W269AH "101.7, when he was there. "I've started writing down songs played by WEZN, WNSR, WALK-FM, WFAS-FM, WEBE and WLTW, and out of this unscientific survey I'm going to, total a top 50 list of over-played burnout and worn out songs. Very early totals so far indicate 'Mrs. Robinson' by Simon and Garfunkel is the No. 1 burnout song on Lame Radio, but it's still early yet, and most played artists on Lame Radio will be tallied in this survey of mine. It should be most interesting! I'll let you know the final results." [You can bet I won't print the whole list, either here or in FMedia! but I applaud Bill for trying to put a handle on "Lame Radio."]

Also in today's mail: Frank Aden, Jr. reports from a trip to Idaho Falls, where all FM stations are as shown in the "FM Atlas," except KSIF 96.1 "Kias," which is now a peculiar rk format, mostly ac, but about 20 percent country. "I wonder how long they will last with that format?" he muses. "I finally got a temporary antenna up on the roof. I put my omnidirectional FM antenna about 25 cm above the roof. Reception of KZDX is not as good as at my old address with the antenna indoors! It may be due to the elevation, that the KZDX signal may be coming in more towards ground level. Will have to do some experimenting on that later. KLVJ has about the same signal on 99.1 as they were on 99.3. It will be interesting to see just what type of signal [that Mountain Home ID] station will have when and if they go to 100 kw. Hopefully, before winter starts I will get a more permanent antenna set-up going. Bill [Frahm] will probably get a chance to look over the new FM Atlas later this week, so I may have more station changes to report in a few days."

Strange goings on in Tampa FL. WFLZ 93.3 still r, "top 40," but for about a week they were apparently trying to confuse the competition (and listeners), mainly WRBQ Q-105. They flirted with urban. "Then they declared the whole week a hoax and returned to oldies for the weekend." A few days later they went to top 40, "The Power Pig-Power 93." This according to Jonathan Gabel, who is ordering some back issues of the "FM Atlas" and renewing his FMedia subscription. Almost all the back issues of the FM Atlas (see above, "From the Classifieds") are now sold out, and I will buy back any mint issues of editions 1 to 8, excluding the Second edition, paying 50% of the cover price. I bought a copy back from a bookstore of the Eighth edition, paying them one dollar, and have sold that copy twice so far.

## FM FORUM, VUD EDITION COMMENTS FROM FCC-FM READERS, ET AL.

Dave Sinclair, a VUD reader, kindly sent word about a new FM station application in the greater Vancouver area. The station would be English-language, and the CRTC has called for competing bids. The applicant was not identified, nor were the frequency applied for or its technical parameters. "I am unable to find out any more about this application," Dave writes. "I hope you will think that this item is worthy of publication. I am hoping that there will not be another type of rock station!"

Clearing up the mess in Philadelphia, with WXPB moving and the new stations nearby on \*89.1 (see above, "New" and "Facilities Changes"), was WRTI Chief Engineer Mark Humphrey. He consulted his counterpart at WXPB, Vinnie Curren. "I'm sure you can recall the legal problems WXPB was having about 10 years ago, regarding indecent programming and a lack of license control. Nowadays, WXPB is making big news in public radio circles because of their children's programming, innovative music format (World Rhythms) and they walked away from this year's Public Radio Conference with four CPB awards!

"It was amusing to read in last month's FMedia! about 'public broadcasters behaving like children.' The opposite is true in Philadelphia. WXPB, WHY-FM and those of us here at WRTI work closely together and cooperate quite well. We try to complement each other's programming instead of sounding alike, and this strategy has paid off in the ratings for all of us. . . I'm really enjoying my subscription to FMedia! and I also want to offer my compliments for another excellent FM Atlas. It was interesting to read about your trip to Syracuse. I will be attending the SBE Regional Convention there, and hope to see many of my old friends. I'm taking WRTI's program director, Karl Kessler, along—he will be spending the morning at WAER exchanging ideas with JoAnn Urofsky, their program director."

Rochester's Scott Fybus says local WBBF promotes itself on the sides of buses as "Country Music on AM Radio," which he fails to see as a selling point. "WVOR 100.5 is now calling itself 'the new WVOR 100,' though their format is virtually unchanged. I suspect this is in response to WRMM 'Warm 101.3,' which has an almost identical format. WRMM did poorly in the last ratings, behind perennial leaders WCMF, WPKY, WVOR and WHAM, and even falling behind such lower-rated stations as WKLX, WBEE and WDKX. Only the other AMs, WBBF, WEZO and WWMG did worse."

"Another entry in your 'stations outside the big city trying to get in' department would be WZSH 95.1 Bristol Center, NY. Their signal is notoriously poor in the Rochester area, subject to massive interference from WCMF and WPKY, even on good radios. North and west of the city, they are impossible to receive. A few years ago, when they were WYLF, playing Music of Your Life, they installed a translator in East Rochester, W288AR 105.5. It provides good service to some of the eastern suburbs, but WZSH never mentions it on the air or in any of its printed promotions. Reception on 95.1 or 105.5 in the car is nearly impossible; my grandmother has given up on the station. Yet this station maintains its sales offices and studios in East Rochester NY. They are frequently unable to receive the 95.1 signal clearly at their studios!

"The tragedy of all this is that WZSH is one of only three Class B FM stations in the Finger Lakes region of upstate NY (along with WYXL and WQNY Ithaca). Its signal is strong and clear throughout the area, unlike the small Class A stations (WLKA Canandaigua, WECQ Geneva, etc.) that fade quickly outside their counties of origin. But to listen to WZSH, you'd never suspect that it was other than a Rochester station. WZSH's performance in the ratings has slipped recently, so perhaps it will retreat to its home turf soon. Meanwhile, its old format, Music of Your Life, and old call letters, WYLF, have been picked up by the former WQKA 850 AM Penn Yan NY. . . And with that music format, who really cares about the sound quality? NY Big Flats 97.7 nonIDs as 'Gem-97.7'—they are now the only beautiful-music station in western NY besides WZSH and WRHP Syracuse. . . WLKA 102.3 Canandaigua NY may be trying to sneak into Rochester also. They tried once when they went from WCGR-FM to country WFLC in 1977, but even being the only FM country operation in the area couldn't make Rochester interested. Now they're trying to capitalize on being the only new-age/jazz

station in the area. But they face many of the same signal problems as WZSH; their 3000-watt signal is strong only in southeastern Monroe County, and even there has 105,000-watt WMJQ 102.5 Buffalo ('serving the universe') on the adjacent channel. WLKA's competition is Wave affiliate WBWV Wethersfield Twp NY, which, as WUWU, tried frequently to serve Rochester (it had a sales office here for a few years). After a retreat to being WBYP, 'Buffalo's Bear,' they are once again running Rochester weather and ads."

WCMF 96.5 Rochester is celebrating 20 years with a rock/progressive format, with the mayor designating a recent date "WCMF Day." Before that, it was a commercial classical music station for eight years. Its call letters stand for "Community Music Services." With WCMF already taken, it went for WCMF. I have the Aug., 1976 "FM Guide." In it is an ad for Sansui, sponsoring "A Whole New World of Jazz." Stations carrying the show are listed, including WCMF Rochester Mondays at 10 p.m. Fybus also sent copies from a computer bulletin board discussing "sanctified interference" people living near the tower of WYCA 92.3 Hammond IN have been getting. WYCA has reportedly not responded to the complaints.

WZPK 103.7, New England's "Peak," may be fudging a bit in its literature. Information sent by Bob Gilbert includes a WZPK coverage map showing the station blanketing virtually all of NH and VT as well as much of Maine and southern Quebec. The map also takes in the city of Keene NH, where WKNE 103.7 is located! I have written to WZPK and pointed this out, but so far no response from them. The NH state emergency broadcast system, like those in many other states, is said to be "outdated, untested." No one really knows what might happen if the system is to be used for weather emergency, floods, or chemical spills. "The system is in chaos," one broadcaster said. Making the problem worse is that many stations would be off the air in the event of a power failure, as they lack emergency generators. Primary station is WHOM 94.9 Mount Washington, which is then relayed by WHDQ 106.1 Claremont.

Now that KFAC has dropped classical music in L.A. its library will be parceled out to Leland Stanford Junior University, the Los Angeles Public Library and public station KUSC—this after trying to sell the library for \$1 million. In honor of this donation, KUSC's manager Wally Smith said the KUSC call letters will remain the same, but one of the satellite stations which pick up its programming will be changed to KFAC. Speculation was that KFAC could not legally sell the recordings, as many had been given the station and selling them could violate conditions under which the gifts were made. Louise Heifetz, who just sold KFAC, has bought WXTR 104.1 LaPlata MD, causing Mike Dorner to wonder if she might be interested in converting it to classical?

The Bible Broadcasting Network is buying WHGG \*88.3 Bristol TN, KCEV \*88.3 Wichita KS (a gift!), and WFCE \*88.9 Tarpon Springs FL. They've also contacted me about the possibility of buying a station in this area, since their satellite "footprint" covers it well. WESD \*89.1 Schofield WI (10 watts) is being given by the area school district to the Oasis of Love Club. "Sounds religious."

"Someone asked about 104.3 in Cincinnati, and you remarked about it being too close to 104.1 Portsmouth OH. Fact is, 104.3A was recently allotted to the Cincinnati area (Harrison). Another request, for 107.5A to Moscow OH (also Cincinnati), was denied in favor of Kentucky assignments. Your reader was correct; in 1948 there was a c-p for 104.3 Cincinnati, WOYO, but I don't think it was ever activated. In 1959, WAEF-FM was on

104.3; I don't know if it ever went on the air. By the 1963 table, it was gone.

"I note the increasing number of Class A stations going off the air—small, but increasing. I wonder if anyone is keeping record of Docket 80-90 stations, which should be coming on the air the past year or so? What is their track record, I wonder? I don't know if they're going to make it against the 100 kw, 305-meter giants and their overload." Also included was an article on the brisk trading going on in radio properties in New Orleans—13 in the last 2½ years. Actually, it's 14 with the latest being WSLA 1560 AM Slidell in what could be called an "AM happening most likely caused by FM," sold a second time, and changing format to all sports (play-by-play and talk).

"The sad thing about the demise of AM radio. . . is that so many stations going off the air are pioneer stations, like WREN Topeka and WEW St. Louis." WEW once had an FM license. "Stations like these should not have sunk; they had first grabs at FM frequencies in 1948, again in the 1950s and again with the new 1963 allotment tables. . . note the demise of cp KJVL Beaumont TX. This religious group has beat out KJLU Lamar U., Beaumont, for a frequency shift and power increase. Remember the old WCMC Paris OH cp? It beat out another public station and never got on the air. . . WFCA 107.9 French Camp MS, on the Trace, is run by the French Camp Academy, a religious school founded in 1822 and still operating. An impeccable ancient log cabin house sits on the grounds, along with fine old farm implements and other items of interest. Students there, like at the School of the Ozarks, must work some hours at the school. Gospel music of all types, joining Moody Network Saturday afternoon. Will go from C1 to C soon. Place is definitely worth a visit; it is near Ackerman and Starkville MS." He's extending his list of classical music stations to include Latin America. "If anyone knows the call/slogan and frequency of both noncommercial and commercial classical music stations in the rest of the New World, please write" Mike Dorner at 509 Red Oak Drive, Mandeville LA 70448.

Much of the translator news from the SW states came from the travels of Glenn Hauser, who wishes that I'd be more specific about indicating stations and translators known not to be on the air.

Two people sent along an article in "Radio-Electronics," having more detail than was in this newsletter earlier on FMX. You might want to check out the October issue if you're interested.

On with lower-than-authorized power is WDTR \*90.9, "owned by the troubled Detroit Public Schools." Right at the Detroit city limits, the station now fails to turn off the muting control on a receiver. Giving students a break in the big city are WDTR and WGPR 107.5, "run mostly by first-time broadcasters—along with WGPR-TV 62, they consider themselves a training ground for young black broadcasters—which is great, but they ought to do it on a small AM station. Religious station WNUZ 103.5 is about average for such stations—sometimes fairly good audio, sometimes awful, lots of blocks sold to preachers (some of the worst audio broadcast anywhere), disc-jockeys using 'born again religion-ese' instead of communicating in plain English, unprofessional commercials, especially of the type using a public service type-announcement followed by a tag for the sponsoring business. What a contrast with WWCM 990 AM in Ypsilanti—one of the best-sounding AM stations around—mostly contemporary Christian music in AM stereo with professional-sounding announcers," writes James J. Nahiriak. He goes on to say that WOMC 104.3, now owned by Infinity Broadcasting, just fired highly-paid evening host Alan Almond and its morning man Tom Ryan and sidekick traffic reporter Liz Sommerville. Ratings were up, causing speculation that the company may be thinking of bringing in Howard Stern via satellite. 73iily. *Bauer*



# NWS NEWS

**THIS ISSUE'S HEADLINES**  
 -Greg Coniglio hears NWS Es on July 4th!!  
 -Frank Merrill tells us about Midwest NWS!  
 -Charles Gauthier gets some vacation tropo!  
 -And I tell you about the hot NWS condition!

Matt Sittel  
 PO Box 21441  
 509G Wood Hall, NCSU  
 Raleigh, NC 27607  
 (new building name)  
 (919)737-5477  
 (best time to call is between 11PM-mid., ET)  
 Deadline: 12/1/89

NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989

It's back! After a break, NWS News has returned! I apologize for not having a September column, but during the first 10 days of the month I was traveling to and from the WPFDA Convention in North Syracuse, NY. Thanks to Bill Kretschmer for a fantastic convention, and for all the hard work he put in to make it great!! I enjoyed meeting all of you who attended, and seeing again those who made it to Georgia in 1988. When I returned home, it was time for Rush, that is, to get ready for college. Then I considered an October column, but all my kind professors decided their work was more pressing than my free time, thus I have waited until now. I've got 4 tests next week, but this is more important... for now, anyway. (Don't tell my folks, though!!) Anyhow, we've got lots of things to cover and here we go.....!

Bill Hepburn, 1547 Mississauga Valley #1211, Mississauga, ON L5A 3X8 EDT

JUNE 1989		JULY 1989	
6 tr		7 tr	
2350	WBFO 948.00 NY Buffalo STL 68	0750	YQO 114.20 ON Aylmer VOR 87
2352	WEER 942.505 NY Buffalo STL 68	0752	YXU 127.80 ON London ATIS 85
7 tr		0833	CKPC-FM 957.49/957.75
0048	WHTT 951.00 NY Buffalo STL 68		ON Brantford STL 53
9 tr		9 tr	
0043	WBUF 947.00 NY Buffalo STL 68	0756	WXM31 162.40 NY Elmira 170
23 tr			(relays WXL-38 Binghamton)
0438	ACO 114.40 OH Akron VOR 190		

**EQUIPMENT:** Realistic PRO-2004 receiver/balcony active discone/dipoles active vertical yagi for aviation band

A new distance record for the aviation band was achieved with the reception of ACO Akron OH at 190 miles. Signal was fairly good with the Morse Code ID easily readable. No sign of Akron NOAA at the same time. The 'ACO' stands for Akron-Canton, Ohio.

For those seriously DXing the aviation band an FM trap is almost a must in metro areas. It probably does attenuate part of the band-but only up to 110 MHz or so depending on the brand name. I use a Radio Shack FM trap and it seems to work quite nicely. I have it located at the antenna in front of the in-line amplifier. (It makes no sense to place it afterwards if the FM signals have been amplified as well). Separate antennae for FM and aviation are then needed.

May your local weather radio be swamped by Es... 73s... (Somebody's was, Bill! Read on...-mcs)

Greg Coniglio, 5100 Glenwood Drive, Williamsville, NY 14221

DX from Angola, NY: Realistic weatheradio 7/4 Es!

1802 WXM58 162.400 FL Clewiston (relay of WPB)

1805 KEC50 162.475 FL West Palm Beach

(taped: severe T-storm, ID (no calls), Florida wx update)

This was one of, if not the best opening I have heard ever! FM was saturated with stations from Florida, Georgia, southern Alabama, and South Carolina. Locals were being wiped out (Awww!! Bet you really missed 'em too, hi!-mcs) Toronto semi-locals gone for hours! (Imagine no local programming! Let's hear it...Awww!!-mcs) I sure hope many of you heard this fantastic opening! Other area DXers heard it on NWS for a lot longer! It hit channel 7! 73's Greg. (Well, you're the only one to report NWS Es, Greg. It seems something so rare would be reported by more than just one of those who heard it! At least a summary of what you heard??Anybody??-mcs)

Frank Merrill, PO Box 669, Macomb, IL 61455 New reporter---Thanks for writing!!!

6/6 tr		6/20 tr	
0709	KID77 162.550 MO Kansas City 240	0448	KW039 162.550 IL Chicago 180
0715	KEC77 162.400 MO St. Joseph 225	0452	KEC60 162.400 WI Milwaukee 210
6/20 tr		0720	WXJ87 162.550 WI Madison 180
0447	WXJ89 162.475 WI Wausau 310	0815	WXL64 162.400 IA Dubuque 145

June 20 has been the only date since the June 4 installation, on which I have noted any really strong distant Tr. There were some dates in May on which I think such DX would've been very interesting! I have tried for NWS Es on a couple of occasions when FM was full, (Frank's report continues on the next page...)

NWS NEWS

-page 2-

NOVEMBER 1989

(Frank Merrill, cont.)

6/5 tr, trs, gw assumed		6/5 cont.	
0628	WXM49 162.425 IL Marion 180	0907	WXM81 162.450 MO Hermitage 180
0630	WXJ75 162.400 IL Springfield 70	0958	WXK72 162.400 IN Terre Haute 190
0632	KD089 162.550 MO St. Louis 125	6/6 tr	
0637	WXL45 162.400 MO Columbia 135	0709	KID77 162.550 MO Kansas City 240
0639	WXJ73 162.550 IL Moline 70	0715	KEC77 162.400 MO St. Joseph 225
0642	WXJ76 162.550 IL Champaign 130	6/20 tr	
0644	WXJ90 162.550 MO Camdenton 200	0447	WXJ89 162.475 WI Wausau 310
0653	WXL61 162.475 IA Cedar Rapids 90	0448	KW039 162.550 IL Chicago 180
0658	WXJ71 162.475 IL Peoria 50	0452	KEC60 162.400 WI Milwaukee 210
0731	WXK82 162.475 MO Hannibal 65	0720	WXJ87 162.550 WI Madison 180
0746	WXL57 162.550 IA Des Moines 160	0815	WXL64 162.400 IA Dubuque 145

June 20 has been the only date since the June 4 installation, on which I have noted any really strong distant Tr. There were some dates in May on which I think such DX could've been very interesting! I have tried for NWS Es on a couple of occasions when FM was full, but none was noted. Of course the band is just below channel 7, so NWS Es would be certainly be a warning to check high band Es as well. I will not be surprised to see NWS or high-band Es reported around noon July 22, because I had some 500-600 mile Es near the top of the FM band and plenty of metro Colorado stuff (700-750 miles) and little else. I feel that people located at a more favorable distance from the midpoint (450-600 miles) may have had higher MUF's because higher frequencies are less capable of being reflected/refracted at the sharper angles required for short-hop Es which, in fact, usually indicates a very high MUF. Now for some good Tr so I can log more! 73.

Charles Gauthier, 3260 Beaulieu, Brossard, PQ J4Z 2P7 Canada

NWS DX REPORT from Wildwood Crest, New Jersey

Directed by: Charles Gauthier starring Realistic 12-141 Weatheradio at 50 feetAGL (Produced by: The-At Mos-Phere-mcs)

JULY 1989

15 tr	2249	KEC83 162.400 MD Baltimore 97	Locals: KHB38 162.400 NJ Atlantic City 43
	2310	KW035 162.550 NY New York 135	WXJ94 162.550 DE Lewes 24
18 tr	2100	KEC83 162.400 MD Baltimore 97	Semi-locals (mostly heard at night):
19 tr	0000	KHB37 162.550 VA Norfolk 161	KIH28 162.475 PA Philadelphia 71
	0010	KW035 162.550 NY New York 135	KEC92 162.475 MD Salisbury 57
	1325	WXM80 162.475 NY Riverhead 135	
20 tr	0000	KEC73 162.550 MA Hyannis 303	THE END
	0030	WXJ39 162.400 RI Providence 267	(This deserves a DX Oscar, I think!-mcs)

A new Weatheradio Canada station in Sept-Îles, PQ on 162.550MHz. I don't have the call letters. A new ChB station in St-Jean-sur-Richelieu, PQ (Salut, Alain!-mcs) on 161.775MHz on ch.83B. It relays VFN Montreal which has now five repeaters: St-Bruno, Rigaud, Trois-Rivières, Soul, St-Jean.

Matt Sittel, NWS News Editor

6/11 tr (Kingsport, TN)

0142 WXL70 162.475 NC Charlotte 125  
 0646 WXM72 162.425 WV Hinton 125  
 0702 WXX74 162.475 IN Lafayette (#7)361!

Apparently WKK46 Knoxville was off during all of this. It was fantastic!!! Certainly it wasn't NWS Es, but in Tennessee I'll gladly take it! Now let's head east, shall we?

DX in Raleigh, NC (note: usually there is nothing on 162.400, but late PM and early AM, yes.)

AUGUST 1989

22 tr	2220	KHB31 NC Wilmington 116
	2216	WXL42 NC Winston-Salem 106
	2352	KEC84 NC New Bern 104
24 tr	0853	KEC95 SC Myrtle Beach 123
	0854	KHB31 NC Wilmington 116
26 tr	0159	KEC84 NC New Bern 104
28 tr	2323	KEC95 SC Myrtle Beach 123
29 tr	0011	KHB31 NC Wilmington 116
	2154	WXL42 NC Winston-Salem 106
30 tr	2042	KHB31 NC Wilmington 116
	2321	KEC84 NC New Bern 104
	2349	WXL42 NC Wilmington 106
31 tr	0818	KEC84 NC New Bern 104
	0819	KHB31 NC Wilmington 116
	0854	KEC95 SC Myrtle Beach 123
	2127	WXL56 NC Asheville 253

SEPTEMBER 1989

1 tr	0843	WXL56 NC Asheville 253
	0952	WXL42 NC Winston-Salem 106

SEPTEMBER 1989

2 tr	0104	KEC95 SC Myrtle Beach 123
	0104	KHB31 NC Wilmington 116
	0212	KEC84 NC New Bern 104
3 tr	0005	WXL42 NC Winston-Salem 106
6 tr	0757	KHB31 NC Wilmington 116
	2356	KHB31 NC Wilmington 116
7 tr	0854	WXL42 NC Winston-Salem 106
8 tr	0756	KEC84 NC New Bern 104
9 tr	0044	KEC95 SC Myrtle Beach 123
11 tr	0133	WXL42 NC Winston-Salem 106
	0740	KHB31 NC Wilmington 116
	0741	KEC95 SC Myrtle Beach 123
	2306	WXL42 NC Winston-Salem 106
12 tr	2239	KEC84 NC New Bern 104
	2252	KHB31 NC Wilmington 116
13 tr	0031	KEC95 SC Myrtle Beach 123
	0730	KHB31 and KEC95 both in, KEC95 was probably the clearest ever! In less than an hour, I see TV deep into GA!

(Matt Sittel's DX, cont.)	SEPTEMBER 1989	26 tr 2308 WXL42 NC Winston-Salem	106
13 tr 2054 WXL42 NC Winston-Salem		30 tr 0159 WXL42 NC Winston-Salem	106
16 tr 2332 WXL42 NC Winston-Salem			
17 tr 0933 KHB31 NC Wilmington			
0933 KEC95 SC Myrtle Beach			
0933 KEC84 NC New Bern			
24 tr 2338 KHB31 NC Wilmington			
25 tr 0801 WXL42 NC Winston-Salem			

Note: All frequencies are 162.400, except for KHB31, which is 162.550. New mileages: KEC95 123, was 147. WXL42 106, was 89. WXL56 253, was 218. Some logged twice in a day heard, faded out, then returned in a different opening.

COMMENTS:

DX here in Raleigh has been much more plentiful than in Kingsport, and more plentiful than last year in Raleigh. A logical explanation has been the hot weather early in the school year. We had many 90° days in late August, and the DX was certainly there through the first two weeks or so of September. Now things have cooled off and so has the DX. I have included almost all of the DX, as under normal conditions nothing at all comes in on 162.40, so when I do hear something, and that is a majority of the mornings, I log it, and you see it here. This shows you the kind of NWS DX we have here.

My roommate asked me: Why do I find DX so interesting? You know, I really couldn't come up with much of an answer. Why do we like it so much? I enjoy seeing all the different station signals every morning, and how they compare with previous DX seen. I also like to compare the different NWS stations and how early and late they will come in. I have much the same interests on TV and FM. How should we explain our fascination with DX to the non-DX world?

I noted some NWS stations while traveling to and from New York. Here's what I found:

Morgantown, WV			
162.400 KDO94 OH Akron	130	It was fun trying to null out Clarksburg to pull in	
162.475 WXL47 OH Caldwell	90	Pittsburgh. This was August 1-2, 1989. I also got	
162.550 WXL85 WV Clarksburg	34	confused by the Akron and Caldwell/Cambridge stations,	
162.550 KIH35 PA Pittsburgh	57	both with almost the same programming and few ID's.	

That was the only real "bandscan" I made. Since I was doing all the driving, I couldn't write down too much information. I dictated some of it onto audiotape, but I can't recall all of it. Just south of the I-79/I-76 interchange between Pittsburgh and New Castle, PA, I had Akron on 162.400, State College, PA on 162.475, and Pittsburgh on 162.550. The distances on these were 85, 117, and 13 respectively. At the convention site in North Syracuse the only station I could receive was WXL31 162.550 Syracuse. During the time I was there, 2 severe thunderstorm watches were issued for the area. Attendees can vouch that Saturday evening was a little soggy, and the time just before that unusually humid and extremely warm. I must say it felt warmer that day than it had ever felt all summer in Kingsport!!

Greg Coniglio has kept me up to date on the possibility of the new Doppler radar being installed near his home. A letter written in the July 19 Buffalo News says: "We have never questioned the meteorological advantages of NEXRAD radar and its importance to western New York. Ongoing studies of the 'supposed health threats, from microwave emissions' indicate that these hazards are very real. The NEXRAD Environmental Impact Statement Manual discourages any installation from being placed within a one-mile radius of residential areas. Even the safety standard for electromagnetic radiation in the USSR is 1/100 of today's accepted U.S. standards, recognizing that there are dangerous biological effects.

Comparison of the NEXRAD system to the air traffic control radar is difficult, due to differences in the antenna patterns. NEXRAD's one-million-watt power is concentrated in a pencil beam, while the air traffic control radar is vertically distributed. Home wiring cannot be compared directly to radar due to the extreme differences in frequencies. We also question what possible adverse impact the lack of this installation will have on the area's economy. We reiterate, NEXRAD radar can be beneficial but site selection must be made away from populous areas."

That's an interesting letter. I understand the concerns of the people who wrote it. I would like to see exactly where the site was supposed to be again to understand the point of view of the letter. Any comments from you? Especially you who are near it?

I recently witnessed 1" diameter hail, the largest I had ever seen. Usually just after a severe thunderstorm DX picks up to the west, usually resulting in my receiving Winston-Salem NWS fairly well. It's interesting.

Below you'll see a listing of the NWS stations in West Virginia. I found it in the paper in Charleston, I can't remember the title of the paper, or if it was the morning or evening edition. But our paper in Raleigh does the same thing. Charleston operates Sutton and Spencer, Hinton is operated from Beckley, and I haven't heard Huntington, but I assume it is independent of any other, like Clarksburg, which I have heard.

Let me be the first to wish you and yours a most joyous and safe holiday season, because I want you back here in January when we once again meet in the column known as NWS News! 73's and super DX! *Matt*

WEATHER RADIO

The NOAA weather radio system, operated by the National Weather Service, provides instant information on weather watches, warnings, special statements and present conditions around the state on a 24-hour basis. The reports can be heard in Charleston at VHF 162.40 megahertz, Huntington and Clarksburg are 162.55. Spencer is 162.50, Beckley is 162.25, Sutton is 162.45, Gilbert is 162.42, and Hinton is 162.42.

# The TEKNIKA TVC-22

IT MAY BE THE NEXT-BEST THING TO THE SCARCE TEKNIKA 6510 TUNER-- AND IF YOU HURRY, THIS ONE'S AVAILABLE AT A RIDICULOUSLY LOW PRICE!

Several years back, many DXers were raving about the Teknika 6510 Component TV Tuner as an excellent DX receiver. Sad to say, the 6510 was discontinued, and sources for its purchase have shriveled up to just about nothing. However, another Teknika tuner is currently available from a liquidator called the COMB company, and it may be almost as good as the 6510. It is the Teknika TVC-22.

I just purchased one of these units and have compared it to a basic, off-the-shelf Sears TV that I was using for a DX set. The Sears unit is not made to be a DX receiver, of course, but I have found its performance to be about average for commercially-available portable TV sets. I am not an engineer, and have no means to measure signal strength and the like, but what follows is a layman's comparison in several key areas:

- UHF SIGNAL STRENGTH: Very significantly improved. Runs circles around the Sears' built-in tuner and would I suspect, be superior to that of most commercial TV sets.
- UHF IMAGES/CROSS-MOD: A bit worse than the Sears, but that's the trade-off for more gain!
- VHF SIGNAL STRENGTH: Slightly better than the Sears.
- VHF SELECTIVITY: About equal to the Sears.

FEATURES, ADVANTAGES, DISADVANTAGES: The TVC-22 has no remote control, unlike the 6510. A 10-digit keyboard enables random-access tuning by merely entering the channel number. There is, however, no up/down scan function that would enable one to step sequentially through the channels. It receives Stereo and SAP broadcasts, and seems to lock in stereo even on relatively weak signals. There is an RF output (75 ohm) to use a standard TV as a monitor, as well as standard phono jacks for both audio and video output, for use with monitors and stereo amplifiers.

Contrary to what one 6510 owner had warned me about his unit, the composite video output of the TVC-22 produces a picture of only slightly less quality than that from the RF output. And using the video output to feed a VCR, even the weakest signal is recorded without the dreaded "blackout" syndrome! No longer must I suffer with the VCR's lousy tuner to record my DX!

A fine tuning function helps with adjacent channel problems. A 1/4" headphone jack on the front panel enables quiet DX monitoring (in stereo, yet) without disturbing family or neighbors. And an unusual feature (though not of major significance) is that the tuner retains the current channel in memory, even when the power is off. (Most electronic tuners automatically revert to channel 2 in that case.)

NOW FOR THE BEST NEWS!!! This unit, with an manufacturer's suggested list price of \$169, is available from COMB Liquidators FOR THE UNBELIEVABLE SUM OF ONLY \$39 PLUS \$6.50 SHIPPING!!!

No, that is not a misprint. I believe the main reason they are "dumping" these units so cheaply is that for CATV use, they only cover the midband (A-I) channels. Since most CATV systems utilize the superband channels and others, these units are useless for the average videophile. I suspect that the TVC-22 predated the 6510, but uses much of the same circuitry.

Is it the TV-DXers "dream machine?" No, but for a mere 39 bucks, any DXer using a commercial TV for UHF can significantly improve his DX. I did, and I'm glad. But if I were you, I'd hurry. Lord only knows how many of these tuners they have, or how long they'll last!

--jfc



MODEL NO. TVC-22

## Enjoy Stereo TV Broadcasts with This Converter

Treat Your Ears to Quality Stereo Sound as you watch TV broadcasts with this innovative unit from Teknika. It boasts an MTS (multichannel TV sound) decoder for enjoyment of stereo with any TV or SAP (separated audio program) events such as bilingual broadcasts. You'll want to check out these other great features, too:

- Electronic Synthesizer Tuning System.** Built-in electronic tuning system with AFT (automatic fine tuning) automatically locks onto the best reception point and holds it.
- Black Cabinet** measures 3 1/8" x 11 1/2" x 7 1/2" D. LED channel readout. U.L. listed.
- Super Liquidation Value!** Because Teknika discontinued this stereo television converter in favor of a newer model, you can get an outstanding buy on a first-quality unit. Order today at closeout savings!

**Easy to Connect.** There are no internal connections, so you can hook up this Teknika TVC-22 to your TV set and stereo amplifier in minutes.

**CATV Compatible.** Provides access to all VHF and UHF channels, in addition to cable midband A-I.

**Direct Channel Access.** Favorite channels can be preset and then later accessed by using the 10 channel selector buttons conveniently located on the front panel.

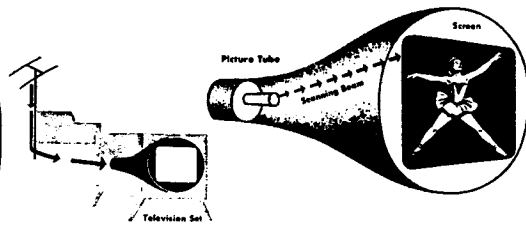
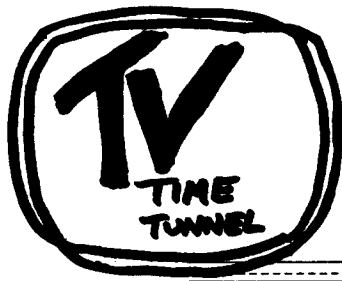
Mr. List Price ..... \$169.00  
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Submitted by Tom Bryant  
849 Todd Preis Dr.  
Nashville, TN 37221

THE HISTORY OF TELEVISION  
[condensed from a broadcast databank synopsis]

The Developers:

Like aural radio, television was made possible by electronic discoveries in the late 1800's and early 1900's. In 1884, Paul Nipkow, a German, patented a scanning disk for transmitting pictures by wireless. Although no one person is specifically credited with the 'invention' of television; the ranks of early experimenters included Charles F. Jenkins, E. E. Fournier d'Albe, E. F. W. Alexanderson, and Philco T. Farnsworth. In 1915 radio pioneer Marconi predicted the "visible telephone." In 1923, Russian-born American physicist Vladimir Zworykin applied for a patent on the iconoscope camera tube.

Early Tests:

In 1927 an experimental TV program was sent by wire between the Bell Telephone Laboratories in New York and Washington. By 1928 a few broadcast stations were experimenting with television, among them, General Electric's WGY in Schenectady which was the first station to present regularly scheduled telecasts showing programs three afternoons a week. Several months later NBC/RCA began operating W2XBS; an experimental station in New York City. About a year later CBS launched the operation of experimental station W2XAB. In October of 1930 NBC began experimental transmissions from atop the Empire State Building. In 1933 RCA unveiled an all-electronic system using the iconoscope. Prior to that time all images had been mechanically scanned. The new all electronic system dramatically increased the clarity and resolution of the projected images. By 1937 there were 17 experimental tv stations operating. The first U.S. President seen on tv was Franklin D. Roosevelt when he opened the New York World's Fair in 1939. That year saw the first telecast of baseball, football and pro-boxing events. One year later the Republican and Democratic National Conventions were televised. Coaxial cable for long-distance relay was first used for the Republican convention.

Commercial Telecasting Begins:

In 1940 the FCC set up a committee to adopt uniform technical standards for the industry. The end result was the creation of the NTSC system still in use today...525 lines and 30 frames per second. Although The Journal Company of Milwaukee (WTMJ) filed the first application for a commercial broadcast television station, the first licenses were granted to NBC and CBS for WNBT and WBCW, their respective New York City outlets. The grants were made on April 30, 1941 and the stations were allowed to begin operating the following July 1st. One interesting side note at this point regards the WTMJ application; the station did not begin telecasting until 1947. By May of 1942, 10 stations were on the air.

[to be continued next month]

If you thought the channel 3 puzzle was a maze, try this one! It contains 80 call letters which were once assigned but now (with a couple of exceptions) are dormant. A list of the calls; state of license when in operation, and channel are shown below. Put on your Time-Tunnel thinking cap and have fun!

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

WENR ( 7) IL	WPRO (12) RI	KCND (12) ND	KDIX ( 2) ND
CHCT ( 2) AB	WIIIC (11) PA	KFI ( 9) CA	KFBC ( 5) WY
KWSL ( 2) NE	KLRJ ( 2) NV	WSLI (12) MS	KOOL (10) AZ
WOOD ( 8) MI	WBAP ( 5) TX	WHK (19) OH	WKY ( 4) OK
KHVH ( 4) HI	WSMW (27) ME	WRDU (28) NC	WDBO ( 6) FL
WCPT (55) TN	WLWA (11) GA	KFSA ( 5) AR	WDSM ( 6) WI
WTIC ( 3) CT	KMMT ( 6) MN	WJMR (20) LA	KOOK ( 2) MT
WDEL (12) DE	KSOO (13) SD	WEMT ( 7) ME	WNBQ ( 5) IL
WKZO ( 3) MI	KRCA ( 4) CA	KOA ( 4) CO	WAPI (13) AL
KLZ ( 9) CO	KCKT ( 2) KS	WNTA (13) NJ	KCPX ( 4) UT
WMT ( 2) IA	KFAR ( 2) AK	WMAL ( 7) DC	KID ( 3) ID
KFDW (12) NM	KTAR ( 3) AZ	WFBC ( 4) SC	WRCV ( 3) PA
WDXR (29) KY	WAAM (13) MD	WWJ ( 4) MI	CJAY (7)[4] MB
KVDO ( 3) TX	KDVO ( 3) OR	WCTU (36) NC	WLAC ( 5) TN
KGHL ( 8) MT	WOC ( 6) IA	WFBM ( 6) IN	WOR ( 9) NY
WJPB ( 5) WV	KNXT ( 2) CA	CHAB ( 4) SK	CKSO ( 5) ON
KDAL ( 3) MN	KXGO (11) ND	KOY (10) AZ	KORN ( 5) SD
KGEO ( 5) OK	WTVK (26) TN	KVOO ( 2) OK	WTAR ( 3) VA
KBMB (12) ND	KARD ( 3) KS	KCWS ( 3) CO	WOW ( 6) NE
KCMT ( 7) MN	KOPR ( 6) MT	WJKW ( 8) OH	WGR ( 2) NY

# PHOTO NEWS

OCTOBER 1989

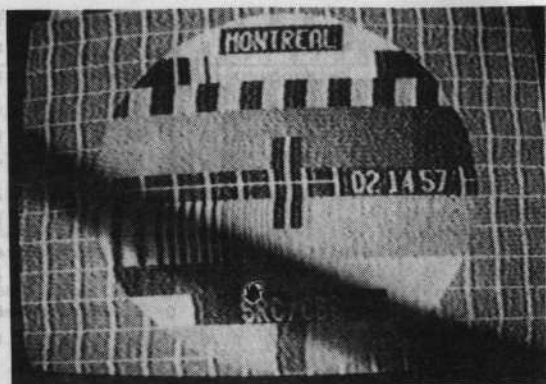
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EDITED BY  
David J. Nieman

Welcome to new reporter, John Ebeling - Bloomington, Minnesota, with DX from Prosit (Alborn). Minnesota 24 miles northwest of Duluth. "I do not normally take photos, but the signals were so good that I had my wife set-up her camera and take the snaps off the VCR tape which recorded the signals." I hope photographing your DX becomes a habit. djn



**CBFT-2**  
Montreal, Quebec  
860 mile E-skip  
seen June 11, 1989  
at 0114 CDTime



**CJBRT-2**  
Rimouski, Quebec  
1075 mile E-skip  
seen June 14, 1989  
at 0130 CDTime

Next up is Jeff Kadet - Macomb, Illinois, 57 miles west southwest of Peoria.  
Equipment: Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982). Winegard CS-2073 10 element ch 7-13 log periodic with CP-3800 preamp, RG-11 foam up 80'; CM 7' dish with PA 4975 preamp, 1/2" aluminum hardline, up 75'; Finco 5 element 50-54 Mhz yagi with Belden 9913 up 37'.

# PHOTO NEWS

OCTOBER 1989 page 2

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EDITED BY  
David J. Nieman

Macomb, Illinois DX continued.....



**XEX-6**  
Altzomoni, ???  
E-skip  
seen June 18, 1989  
at 1227 CDTime  
"maybe in Veracruz, not sure"



**XET-6**  
Monterrey, Nuevo Leon  
E-skip  
seen July 11, 1989  
at 1310 CDTime



**WLOS-13**  
Asheville, NC  
554 mile tropo  
seen August 31, 1989



**WPTF-28**  
Durham, NC  
737 mile tropo  
seen August 31, 1989

Jeff sent in a photo of a pirate channel 14 from Manito, IL 47 miles away received 8/18/89. It's operated by the town sheriff out of his house. Info on screen not readable after screening; too bad!

More from Jeff next month.

DAVE



# WESTERN TV-DX

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

Deadline: 12-07-89  
Cut-off: 09-01-89

November 1989

September for TV-DX'ers in Wisconsin and Illinois was one of those months that we all spend years waiting for. Early September saw super tropo reaching into Illinois, but the best was yet to come. On the 17th a path opened up from Wisconsin to Texas and the signals continued to roll in for days! Thanks to all participants who reported this event in a very timely manner.

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

BN Baja California Norte CH Chihuahua NL Nuevo Leon TA Tamaulipas

John Ebeling, 6843 County Road 47, Alborn MN 55702

CDT

DX from cabin at Alborn (Prosit), Minnesota

### Equipment:

General Electric EC chassis about 1980 - electronic tuning (no fine tuning).  
Antennas in the attic - one pointed south towards Minneapolis/St. Paul and the other aimed southeast towards Duluth - selection via knife switch. Neither antenna is a DX type.

<u>July 1989</u>	31 Es 1300 WMAR 2 MD	4 Es 1733 unid channel 4
2 Es 1100 KNMZ 2 NM	WTWY 4 AL	(Gulf coast wx)
1100-1500 unids 2-6	1400 WDIQ 2 AL	2000 WMAR 2 MD
(Spent time on FM)	unid ch 4 PBS	unid ch 2 French
4 Es 1600-2015 unids 2-6	1500 WGRZ 2 NY	2200 unid channel 2
(Spent time on FM)	1517 CKCO2 2 ON	(Probably WCBS)
7 Es 1300-1600 unids 2-6	1630 WSB 2 GA	6 Es 0945 unids chs 2-5
1300 unid 2 Spanish	1650 unid ch 5 TN??	(KDLH low power)
(With "8" in LL)	1655 WSMV 4 TN	1040 KATC 3 LA
1600 WRC 4 DC	1730 WTVY 4 AL	1059 KAMR 4 TX
WTTG 5 DC		1100 KDBC 4 TX
9 Es 1000-1300 unids 2-6	<u>August 1989</u>	1300 KENW 3 NM
tr (See Note)	3 1630 Arrive at cabin	KATC 3 LA
1405-1530 unid 2 FF	Es 1630 unids chs 2-4	1301 KPRC 2 TX
1520 KNMZ 2 NM	(Elving had FM)	(Es fading)
1600 KWGN 2 CO	1700 WWL 4 LA	1500 KNMZ 2 NM
17 Es 1327 WFMY 2 NC	1724 KPRC 2 TX	1900-2200 unids 2-6
1400 KACV 2 TX	1800 KPRC 2 TX	(Spent time on FM)
1600 KNMZ 2 NM	(Es fading)	9 Es 2100 WGRZ 2 NY
2 Es 0822 WSB 2 GA	2100 Up again chs 2-3	2130 KSNC 2 KS
0900 WTVY 4 AL	2330 unid ch 2 XEW	2200 WCBD 2 SC
31 Es 0900-1200 unids 2-6	4 Es 0900 unids 2-4 weak	2210 WCVI 4 SC
(Spent time on FM)	1700 unids 2-4 weak	10 Es 0001 WSB 2 GA
1210 WKRG 5 AL	1733 WBS 4 MA	

Note - 07/09 @ 1000 - Also excellent tropo - signals on all VHF channels and UHF channels 14, 15 (with CCI), 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, and 29 (with CCI).

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

CDT

Equipment: See September 1989 Western TV-DX

<u>July 1989</u>	18 Es 1700 WESH 2 FL	22 Es 1100 KSNC 2 KS 455
18 Es 1350 XHRIO 2 TA	WTKR 3 VA	(Shortest ever!)
1400 KIII 3 TX	1705 WJXT 4 FL	1130 KLBY 4 KS 573
KGBT 4 TX	21 Es 2301 XEFB 2 NL	KTVS 3 CO 525
1500 KJAC 4 TX	22 Es 0006 KMID 2 TX	KWGN 2 CO
KNAZ 2 AZ	ms 0431 WCBD 2 SC	1200 KCNC 4 CO 740
WWAY 3 NC	0439 WCBD 2 SC	KRMA 6 CO 740

Western TV-DX

November 1989

Frank Merrill (continued)	27 tr 0419 K23CI 23 IA 120	2 tr cont unid channel 63+
	(Ottumwa KCCI-8)	(CCI to WIIB-63)
22 Es 1246 KTVQ 2 MT	0530 WUPW 36 OH	1936 WLLA 64 MI 300
1300 KCWC 4 WY	WPTA 21 IN	( See Note # 2 )
1313 KOTA 3 SD	WKJG 33 IN	2044 WBK 11 MI 480
1316 KVBC 3 NV	WTTK 29 IN	(Rare)
1500 WEDU 3 FL	( "Local" )	2110 CBLFT8 61 ON
WPBT 2 FL	KITN 29 MN	2135 WTOT 4 MI
1631 WSTM 3 NY	( "Hvy CCI" )	( See Note # 3 )
1638 WABI 5 ME	28 tr 0200 K25DE 25 IA 120	2215 WBAV 2 WI
WCAX 3 VT	(Ottumwa KDSM-17)	WNMU 13 MI
1700 CBOT 4 ON	Es 1149 KAVE 6 NM	WJMN 3 MI
CBFT 2 PQ	1200 KDBC 4 TX	(All three rare)
1800 KTVK 3 AZ	KENW 3 NM	WFRV 5 WI
1830 KDBC 4 TX	unid ch 2 XEW	2219 CBLFT9 53 ON 505
KENW 3 NM	KACV 2 TX	CBLFT10 48 ON
1831 XEJ 5 CH	1459 KNME 5 NM	2222 WKEF 22 OH
1909 XHRIO 2 TA	KOB 4 NM	( Over WMEC-22 )
2055 KMID 2 TX	KNMZ 2 NM	2229 WFUM 28 MI
2100 KDBC 4 TX	1929 KTVQ 2 MT	2255 WSFJ 51 OH
KACV 2 TX	1950 CBKT 4 SK	W46AD 46 MI
2115 KOB 4 NM	CKCK 2 SK	(Traverse Cty WCML-6)
2200 KTXI 5 TX 730	2100 CFCN 4 AB	CKCO3 42 ON
2230 El Paso area	29 tr 0505 unid ch 45 TBN	WCMM 21 MI
(No ID's)	(East of south)	CBLN 40 ON
23 Es 1030 KENW 3 NM	Detroit UHF's	(CCI w/WHMB-40)
KOB 4 NM	WEYI 25 MI	2300 WCML 6 MI 480
KNME 5 NM	0522 CBFT 54 ON	( See Note # 4 )
1230 KREG 3 CO	0541 WUAB 43 OH	2312 CICO59 59 ON
("KREX")	Es 2134 CITL 4 AB 1180	WKBD 50 MI
1256 KNMZ 2 NM	2151 CKSA 2 AB	(Both snow free)
1300 KSL 5 UT	CKCK 2 SK	2317 CBLFT17 68 ON
1310 KOAA 5 CO 750	2200 CFSK 4 SK	2328 WBGU 27 OH
24 Es 1730 KMOL 4 TX	30 ms 0450 WCBD 2 SC	3 tr 0016 CICO28 28 ON 550
WBTV 3 NC	(Several times)	0019 CBLN2 34 ON 430
2047 XEJ 5 CH	0456 WESH 2 FL 956	CBLN 40 ON
2100 KENW 3 NM	(Several times)	0046 WXYZ 7 MI
KDBC 4 TX	0506 KPRC 2 TX 800	0426 WTOL 11 OH
KWGN 2 CO	Es 1844 KUTV 2 UT	WUPW 36 OH
2224 KOAA 5 CO	21 Es 1100 KENW 3 NM	WVIZ 25 OH
2230 KNMZ 2 NM	KDBC 4 TX	WKBN 27 OH
2300 KNME 5 NM	KAVE 6 NM	WPGH 53 PA
KOB 4 NM	KOB 4 NM	0445 WUAB 43 OH
2314 KCNC 4 CO	1139 KNAZ 2 AZ	0510 WTOV 9 OH
2321 KREG 3 CO	( See Note # 1 )	WJW 8 OH
2346 KTVQ 2 MT	1800 XHY 3 YU rare	0524 WBNX 55 OH
25 Es 0030 =WLBZ 2 ME	1958 WEDU 3 FL	WGHS 61 OH
0035 @CJBR 2 PQ	2000 WCBD 2 SC	WOAC 67 OH
0041 @CBFT 2 PQ	WDIQ 2 AL	0532 WQLN 54 PA
0043 @unid ch 4+ PQ?		WNWO 24 OH
("T.Q.S.")	<u>August 1989</u>	0548 WTLW 44 OH
0900 WPBT 2 FL	2 tr 1900-1940	Es 1130 WPBT 2 FL
1019 KIDY 6 TX 900	WOAC 67 OH	WESH 2 FL
1029 WUNC 4 NC	WUTV 29 NY	WEDU 3 FL
1043 WCBD 2 NC	WNYBt 49 NY	WTVJ 4 FL
1049 KAVE 6 NM	( A real mess! )	WUFT 5 FL
1059 WUND 2 NC	Cleveland UHF's	WCIV 6 FL
1106 KJAC 4 TX	WLIO 35 OH	1200 WCTV 6 GA 800
1116 KACB 3 TX	WAQP 49 MI	4 Es 0930 KGBT 4 TX
1120 WWAY 3 NC	WEAO 49 OH	0935 KREG 3 CO
1128 KGBT 4 TX	W65BT 65 WI	KCNC 4 CO
1200 KIII 3 TX	(Milwaukee WCIU-26)	0947 KWGN 2 CO
27 tr 0200 KMCI 38 KS	W69BT 69 IN	0953 KREZt 6 CO
(Snow free)	(South Bend WCIU-26)	0956 KOAA 5 CO

Note # 1 - 07/31 @ 1139 - This is the second time I've seen KNAZ-2 advertising KMOH-6 in Kingman. I have never even seen suspected CCI from them, and I haven't noticed anybody else reporting them. Is this another case like K54DB (Madison, Wisconsin LPTV) calling itself WSSM? It seems like I saw a coverage map in one of the ads though, so this probably is a "real"

Frank Merrill (continued)

station. (KMOH-6 is a full service independent station which came on the air on February 26, 1988. They are owned by the same company which owns KNAZ-2. Reported loggings have indeed been few, but I note that Dave Pomeroy reported KMOH-6 on June 25, 1988 and Jeff Kruszka reported them on June 26, 1988. fm)

- Note # 2 - 08/02 @ 1936 - Bottom of screen, along with the "800" prayer number, had a local chiron saying "CBM Phone 616-345-5423." Kalamazoo is in 616 area. (And 345 is the prefix of WLLA's main telephone number. fm)
- Note # 3 - 08/02 @ 2135 - "+" offset. Saw ads for Dairy Queen and Yesterday, Today, Tomorrow (whatever that is!), then NBC. If I can find out that these were local spots, I will be able to count it. They haven't replied.
- Note # 4 - 08/02 @ 2300 - Audio was noted quite readable; this was a sign-off for the entire WCMU-14 network. Total video hash with nothing readable. I thought this station impossible! It was even extraordinarily rare in Ohio, at only 240 miles. WTOM-4 was even rarer.

Hi, all. I hope that everybody got in on the great E skip during July. I understand there was a great opening I missed on July 4, but it may have had little effect here anyway.

I am again considering getting an ICOM R-7000, seeing that Jeff Kadet is getting daily 500 mile UHF reception with his.

I counted up the number of 1989 dates on which I've ID'ed the more common E skip stations and the perennial champ wins again! The results: Channel 2 - WPBT (16 dates), KNAZ (10 dates); Channel 3 - WEDU/KENW (both 9 dates); Channel 4 - KDBC (11 dates), KGBT (7 dates); Channel 5 - WPTV/KNME/XEJ (each 4 dates); and Channel 6 - KAVE (3 dates) and WCIX (2 dates). This could be added to slightly if there's any late fall E skip. However, I may be out of town. 73.

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

CDT

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

Here's some of the DX I saw during the super terrific tropo sessions in September. I haven't seen it this good in about fifteen years.

<b>September 1989</b>	16 tr 2300	KMCIt 38 KS	17 tr 2111	WTJR 16 IL
15 tr 2123	KAWB 22 MN	2308 KDORT 17 OK	2245	KBVot 42 TX
	KSAX 42 MN 374	0410 WBNS 10 OH 395		(Jimmy Swaggart)
	KVRRt 15(MN)	0755 WDRB 41(IN) 437	18 tr 0520	WXIX 19(OH) 400
	K58CMT 58 MN	WCET 48 OH 400		WDKY 56 KY
(Duluth	TBN)	0950 KDNL 32 MO 432		WCET 48 OH
	K26ACT 26 MN	KHBS 40(OK)	0623	KOZK 21 MO 589
(Bemidji	KVRR-15)	KNLC 24 MO 432		KDEB 27 MO 589
	WOSU 34 OH 395	WLKYt 32(IN)		KSPR 33 MO 589
	W48APT 48 OH	WKPC 15(IN) 437		KHBS 40(OK) 734
(Toledo	LPTV)	1821 WNEO 45 OH 405	0630	Had to leave
16 tr 2057	KDNL 30 MO 432	1826 WPGH 53 PA 480	1820	WCET 48 OH 400
	KNLC 24 MO 432	WQEX 16 PA 480		WKON 52 KY 437
	KOZK 21 MO 589	1858 CBLN1 56 ON		WXIX 19(OH) 400
	KDEB 27 MO 589	Other CBLN's in		WIII 64 OH 400
	KSPR 33 MO 589	2011 CIII41t 41 ON	1859	WCVN 54 KY 407
	KSNF 16 MO	KSHB 41 MO 525	2023	KTKA 49 KS
	KHOGt 29 AR	KZKC 62 MO 525		(Snow free)
	KSHB 41 MO 525	KHBS 40(OK) 734		KYFct 50 MO
2114	KHBS 40(OK) 734	2019 KOZK 21 MO 589		KZKC 62 MO 525
	WQPT 24 IL	2111 KSPR 33 MO 589		KSHB 41 MO 525
	KPOMt 24 AR	("KSPR-33 - Cable 8")		KHBS 40(OK) 734
2208	KYFC 50 MO 525	KDEB 27 MO 589		(Still in!)
	KZKC 62 MO 525	KSNFt 16 MO		KMCI 38 KS strg
2240	W51Aft 51 IL	KHOGt 29 AR		(Under WPNE-38 )

William Draeb (Continued)

	19 tr 0330	KARD 14 LA 877	20 tr 2035	KHBS 40(OK) 734
		=KSNF 16 MO		(Snow free-2207)
		KWHBt 47 OK		KDEBt 27 MO
18 tr 2023	KSNF 16 MO	0400 KDOR 17 OK TBN		WNEO 45 OH 405
2135	KPTM 42 NE 471	0544 @KWKT 44 TX 1041		WPGH 53 PA 480
2139	KXTXt 39 TX	@KSPR 33 MO 589	2052	CICA51 51 ON 374
	(Under WQRF-39)	0552 @KHBS 40(OK) 734		WUTV 29 NY 445
	Springfield MO	0555 KOZK 21 MO 589		WNYB 49 NY 445
		@KSNF 16 MO		(Abv 3 snowfree)
		KHTVt 39 TX		CBLN1t 56 ON
2149	KSASt 24 KS	(Under WQRF-39 )		WOAC 67 OH 395
2156	KGMC 34 OK 820	0600 KXLN 45 TX 1133	2213	KHOGt 29 AR
	(Snow free-2300)	(See Note)	2217	KWHBt 47 OK
	KAUT 43 OK 820			KSNFt 16 MO
	(Snow free-2248)			&CIVO 30 PQ
	KSBIt 52 OK	0628 KNCT 46 TX 1055	21 tr 0555	("Radio Quebec")
2253	KTAJt 16 MO	1146 KOZK-21, KGMC-34	0609	CFMT 47 ON 410
2300	KDTXt 58 TX	KHBS-40, KSHB-41	0612	CIVSt 24 PQ
	(Under WDJT-58 )	still in, but		WNPET 16 NY
19 tr 0330	KTBO 14 OK 820	much weaker.		WNPt 18 NY
	(TBN-local tel#)	2154 WUSI 16 IL 402		CIVSt 35 PQ
	KTAJ 16 MO	KCCI 8 IA	0622	WCFE 57 NY
	KNLJ 25 MO	KDIN 11 IA	0623	(Last seen in
	KPTM 42 NE 471	(Under WLUK-11 )		mid 70's)
	KAUT 43 OK 820	20 tr 2035		CITYt 57 ON
	KGMC 34 OK 820	KOZK 21 MO 589		WNYt 22 VT
	KSASt 24 KS	KSPR 33 MO 589		24 tr 2048
	KTXA 21 TX	KNLC 24 MO 432		WCET 48 OH 400
	(Home Shopping Club)	KDNL 30 MO 432		

Note - 09/19 @ 0600 - KXLN-45 logging - Three city ID, "Houston - Galveston - Rosenberg", Univision network, all Spanish. My farthest tropo catch.

Too long since I last had an opening like this. I hope we get more of the same, soon!

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

PDT

Equipment:

Hitachi 5" black & white AC/DC (vintage 1980), Kenwood RZ-1 receiver, Sony Beta Hi-Fi MTS VCR, channel 6 trap (xtal). VHF - Lindsay GA-10 FM 10 element wide-spaced FM yagi on Alliance U-110 rotator at 57' (at sea level on the ocean front). UHF - Radio Shack 4-bay with 15-1108 adjustable gain mast-mount VHF/UHF preamp at 45'.

August 1989

	18 Es 2047	unid channel 2	23 AE 2030	KDUH 4 NE
		(Under CBUT-2)	2110	KMTV 3 NE
5 tr 0843	KNDU 25 WA	2059 KNAZ 2 AZ	2117	KDLO 3 SD
	KVEW 42 WA	2100 KOB 4 NM	2122	unid channel 3
0902	KCKA 15 WA	( See Note # 2 )		( See Note # 3 )
6 Es 1743	CCI on chs 2-4	2200 KTVK 2 AZ	2124-2134	MUF to FM
	(Briefly)	2207 fade/out	2142	unid 3 ABC 100°
	1952 unid 3 NBC 80°	tr ????	2145	unid channel 2
	1957 CBWFT 3 MB	WA chs 35,42,47	2147	KLNE 3 NE
	2000 CBKMT 4 SK	20 tr 0650-0852	2151	unid ch 3 PBS
tr 2049	KCKA 15 WA	Es 1723	2200	KMTV 3 NE
	CBUT2 3 BC	22 tr 0722	2217	unid ch 2 100°
2059	CBUT1 9 BC rare	Es 1844-1916	2228	KDLO 3 SD
Es 2112	unid ch 3 CBS		2234	unid 2 CBS 100°
8 Es 2016	CCI on chs 2-4			( See Note # 4 )
tr	( See Note # 1 )	23 AE 1811	24 AE 1909	MUF channel 4
9 ms many	"pings" all night	1815	1920	unid ch 4 CBS
11 ms many	"pings" - no ID's	1817	1927	KDLO 3 SD
17 Es 1911	CCI on chs 2-3	1915	1943	fade/out
		1918	2002	MUF ch 2 briefly
		1820	27 tr 1928	KCKA 15 WA
		1918		(Snow free)
		1924	28 au	Visible all nite
		2000		Heavy CCI chs2-4
		2012		
		2016		
18 Es 2039	KTVK 3 AZ			

See next page for September

## Mike Cherry (continued)

<u>September 1989</u>	9 tr 1949 KAPP 35 WA	9 tr 2211 KCKA 15 WA
8 tr 1724 KUTF 32 OR	1956 CBUT25 36 BC	10 tr 1902 KUTF 32 OR
9 tr 1842 CBUT3 4 BC rare	2117 KUTF 32 OR	1932 CBUT25 36 BC

Note # 1 - 08/08 @ evng - Super enhancement of signal levels centered only on the Seattle-Tacoma area and south central Washington with signal levels rarely seen here. KTZZ-22 and KAPP-35 snow free. Full stereo on Washington FM's from central state.

Note # 2 - 08/18 @ 2114 - E skip very weak after 2114. MUF to 91.1 fade/out at 2129. Returned at 2157.

Note # 3 - 08/23 @ 2122 - Has KMTV-3 switched to CBS? If not, then this is a unid. (KMTV is indeed CBS since 1986, but is network all you have to use for an ID? fm)

Note # 4 - 08/23 @ 2234 - This unid on channel 2 (in stereo) had end of Pat Sajak Show, CBS logo, straight into "Adderly" with no local ID. Central Daylight Time. Help? Also, when reviewing back on VCR I caught a unid from Oklahoma with a news promo about "panhandle road conditions and state funding." Don't know how this got in there. MUF hovered around channel 4 very weakly to fade/out at 2312 - CCI was in all night.

That about wraps it up for this report. I'll check in this fall if the tropos are hot. I hope we get a better E skip season this winter than the summer. Also, I wish everyone here on the Pacific coast best of luck with trans-oceanic F2!! 73's

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

CDT

Here is my TV-DX report for August 16 through September 15. But first, I have an unpleasant duty to perform. I'm afraid I must erase the June 19 logging of KTVQ-2, Billings, Montana. That was really my old friend KTVO-3, Kirksville, Missouri. A combination of tropo and E skip at the same time, an out-of-tune TV set and a new KTVO logo just plain fooled me.

Here is how things went this month (no relogs under 150 miles) (log at 110):

<u>August 1989</u>	23 Es 1945 unid channel 2	23 Es 2218 KWGN 2 CO 785
18 tr 0816 KDSMT 17 IA	( Blue Jays BB )	2302 KUTV 2 UT 1136
0828 WTTK 29 IN 235	2004 unid 2 CBS MDT	(State # 20)
0834 WHMB 40 IN 231	2015 CKND2 2 MB 196	24 Es 1852 WSTM 3 NY 744
WCLJ 42 IN 247	( Province # 5 )	1854 WKTV 2 NY 804
0837 unid ch 45 HSN	2043 KNAZt 2 AZ	
0842 WTTB 63 IN 247	2103 unid 2 NBC MDT	<u>September 1989</u>
0853 WSNSt 44 IL	2130 KTWO 2 WY 828	11 tr 0700 WNDU 16 IN 221
0918 WCUI 26 IL 155	(State # 19)	0723 WSJV 28 IN 222
Es 1000 WEDut 3 FL	2139 KGWL 5 WY 950	0741 WHME 46 IN 223

The E skip this August was a sight for my very sore eyes. After going zero for June and seeing things die down after the first half of July, I figured that was about it for this season. Glad to be wrong.

I hope someone is able to re-start the CCI column real soon. Often, editors have to drop columns because of work loads or other vicissitudes of life; and both column and editor leave a gap. I've considered doing the CCI feature myself, but I'm afraid I'd make a botch of it. Well, we'll see. God bless and 73.

(Chris, go ahead and volunteer for a CCI column. I'm sure you would do fine. fm)

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228-2744

CST

Equipment:

1987 RCA model EMR 350E 13" color, Archer V-100 and 8 bay bow-tie UHF array at 20 feet with rotor.

<u>August 1989</u>	2 tr 2209 WLPB 27 LA	4 Es 0726 WWAY 3 NC
1 Es 1058 WEDU 3 FL	KLTL 18 LA	0758 WKYC 3 OH
1957 KOTA 3 SD	3 Es 0931 KMTV 3 NE	0913 WBTB 3 NC
2 Es 1600 WBTB 3 NC	0957 KTCA 2 MN	2116 WAVE 3(IN)
tr 1957 KLFY 10 LA	1029 XHBC 3 BN	5 Es 2127 WTW2 2 IN
2114 KPLC 7 LA	1444 KDLO 3 SD	6 tr 0021 KLFY 10 LA
2126 WFLA 33 LA	KDLH 3 MN	0115 KADN 15 LA

## Pat Dyer (continued)

6 Es 0957 KDLO 3 SD	18 Es 1012 WDTN 2 OH	29 Es 1957 WWAY 3 NC
0959 KUSD 2 SD	1334 WKYC 3 OH	1959 WSB 2 GA
1158 KIMT 3 IA	1528 WFMY 2 NC	2029 WSAZ 3 WV
14 tr 0359 KBMT 12 TX	1529 WUND 2 NC	2030 WESH 2 FL
Es 2017 XETV 6 BN	20 tr 0118 KLFY 10 LA	2110 WBTB 3 NC
15 Es 1932 KTWO 2 WY	Es 0214 KADN 15 LA	30 Es 1618 WBTB 3 NC
18 Es 0829 WBTB 3 NC	23 Es 1029 WSIL 3 IL	
1012 WAVE 3(IN)	26 tr 0107 KBMT 12 TX	<u>September 1989</u>
	0119 KLFY 10 LA	12 tr 1628 KVDA 60 TX 1oc

A fairly good August E skip showing, but it sure did die out in September! Some early October tropo (due to the high 90's here) will be in the next report.

Had word about some mid-September ducting from Illinois down here, but it must have been another of those "elevated" things (like November 1986) that never reached the surface level at this end.

I've just managed to "transplant" the VHF/UHF tuners from my 1976 9" black and white into the 1980 one. Luckily they both used 18 volts, but the AGC levels aren't compatible, so it has been left "floating."

The 1976 VHF unit had always seemed to have been more sensitive than the 1980 one, but the UHF was pretty much the opposite. It looks like the 1980 VHF item needs an RF amplifier transistor replaced (though I did manage to "fix" the poor contacts on the turret tuner strips for channels 2 and 3 by just adding a thin layer of solder to them!).

73, Pat, WASTYX

Dave Sinclair, 6565 Brooks Street, Vancouver BC V5S 3J6

PDT

Equipment:

Archer antennas: 15-8227 (VU 210 U.S.) on Channel Master Crown rotor 5 feet above roof. UHF model U-120 10 feet above roof. Archer amplifier model 15-1113, adj. 10-20 dB. Both mounted on separate chimneys (straps). Electro-home VCR VHS, Sony colour TV model KV1215, Philips converter model CT3600 which has separate inputs for cable, VHF and UHF, stereo.

<u>July 1989</u>	11 Es 1130 KTVK 3 AZ 1231	<u>August 1989</u>
6 Es 2030 KCRA 3 CA 757	14 tr 1300 KBSP 22 OR 288	1 Es 1759 KCRA 3 CA 757
7 Es 1930 XHBC 3 BN 1210	( Over KTZZ-22 )	1830 KRON 4 CA 789
8 tr 0645 KATU 2 OR 252	15 tr 0630 KATU 2 OR 252	<u>September 1989</u>
Es 1400 KRON 4 CA 789	20 tr 0643 KATU 2 OR 252	2 tr 2351 KUTV 32 OR 288
( Over KOMO-4 )	25 Es 1100 KTVK 3 AZ 1231	16 tr 0830 KUTV 32 OR 288
1830 KEYT 3 CA 1024	28 Es 2230 KIMT 3 IA 1579	17 tr 0600 KATU 2 OR 252

Channel 2 received after CBUT-2, Vancouver, signed off. Channel 3 received over CBUT-2 rebroadcaster at Chilliwack, British Columbia, 56 miles east, 590 Watts erp. July was a good month for DX; not much in August and September.

I received the Channel Master band separator model 7207 from Ed Frye. This works considerably better than the Radio Shack VHF-UHF separator. However, the UHF reception is considerably better on the U-120 UHF only than on the new 15-8227 all channel VHF/UHF. This all-channel has considerable compromise on UHF.

Nathanial Ely, 3810 Sycamore Avenue, Madison WI 53714

CDT

Equipment:

UHF - Modified Channel Master 7' parabolic, AC-4990 preamplifier, .412 hard line, Zenith System III. VHF - 10 element channel 2-6 yagi.

<u>September 1989</u>	18 tr 0013 KDEB 27 KS 446	18 tr 0254 KARD 14 LA 774
16 tr 0108 CBLN 40 ON 410	0028 KPOW 24 AR 568	0259 KETH 14 TX 992
0122 WUAB 43 OH 409	KHOG 29 AR 548	0304 KTXH 20 TX 992
0143 WOIO 19 OH 409	0043 KTBO 14 OK 675	0305 KXTX 39 TX 834
0155 CII141 41 ON 503	0048 KAUT 43 OK 674	0429 KXXV 25 TX 920
0231 KSAS 24 KS 562	KOKH 25 OK 676	???? KKLX 31 LA 814
0537 WNEB 17 NY 528	0059 KSNF 16 MO 496	???? KHRB 40(OK) 621
17 tr 2332 KETK 56 TX 827	0146 KDTX 58 TX 834	0800 KXLN 45 TX 995
(Thanks J Kadet)	0129 KXAN 36 TX 995	0808 KLMG 51 TX 806
2342 KHSX 49 TX 834	0145 KWHB 47 OK 591	0811 KHSH 67 TX 993
2345 KSPR 33 MO 446	0154 KVUE 24 TX 996	Later...still
18 tr 0003 KMCI 38 KS 422	0234 KDFI 27 TX 834	booming

**Jeff Kadet (continued)**

20 tr 0100-0645	28 tr 0400	0400	WPGH 53 PA 561
( See Note # 2 )			WPTT 22 PA 576
0302 <b>KTBCt 7+ TX</b>	0435	0435	WVNE 17 NY 620
(CBS Nightwatch)	0448	0448	WVKB 27 OH 527
1848 CBLN4 45 ON			WVTV 29 NY 620
2028 CITY 57 ON 620	0546	0546	WVFT9 53 ON 620
21 tr 0000-0645			WVFT8 61 ON 550
( See Note # 3 )	0610	0610	WVSL 46 IL 125
0406 <b>K30AE 30 OK 500</b>			(Adios ch 46)
(Alva w/WHO -13)	29 tr 0227	0227	WVNB 24 WV 579
(Also KWHB video on 31			(Rare)
via K46AH)			WVCA 20 DC 728
(Normal KETA-13)	0345	0345	WVPGH 53 PA 561
St. James Us 315			WVPGH 53 PA 561
0435 <b>KHOU 11 TX 800</b>	28 tr 0300	0300	CITY2 31 ON 525
(KLTV 7 TX 602			TVot 51z ON tone
W57AR 57 WI			CBLN5t 20- ON
(Sayner WSAW- 7)			(Open carrier)
0830 <b>K55FL 55 IA 290</b>			CBLFT10 48 ON455
(Spencer KMEG-14)	0400	0400	CCKCO3 42 ON 455
(WRSP-55 off)			CITY 57 ON 620

- Note # 1** - 09/19 from 0000-0700 - Relogs of KARD-14, KETH-14, KHTV-39, KMSS-33, KETK-56, KHSH-67, KXLN-45, KLTJ-22, KFWD-52, KTMD-48, KTVT-11, KTRK-13, KTXH-20, KDTX-58, KXXV-25, KDAF-33, KLMG-51, KABB-29, KWKT-44, and KNCT-46.
- Note # 2** - 09/20 from 0100-0645 - Relogs of KETH-14, KLTJ-22, KHTV-39, KHSH-67, KTXH-20, KABB-29, KDAF-33, KXLN-45, KXTX-39, KTXA-21, KWKT-44, and KTMD-48.
- Note # 3** - 09/21 from 0000-0645 - Relogs of KLTJ-22, KTXH-20, KTEH-14, KTVT-11, KXLN-45, KHSH-49, KTXA-21, KARD-14, KXTX-39, KHTV-39, and KDFI-27.

unid TBN loggings: Channel 43 - heading just west of Little Rock  
 Channel 45 - heading to Lincoln-Omaha  
 Channel 66 - heading just east of Ft. Smith, Arkansas

Some terrific Texas and Gulf tropo this month. Of 27 Texans seen, all but 4 hit color at one time or another.

Having not seen a TV-DX review of the ICOM R7000, here are my observations on it. For comparison, I'm using a Zenith N1310 13" color set. Frank Merrill and I believe the L through N series of 1310's (1979 through 1982) to be the most sensitive and selective TV sets we have used. Compared to the Zenith, the ICOM is impressive on audio, mediocre on video. On FM wide, the Zenith has the audio edge in sensitivity, but in FM narrow, stations are readable on the ICOM which are nonexistent on the Zenith. Sometimes the audio is a little distorted, but nobody ever said the front lines of TV-DX combat would be a picnic. Traces of Home Shopping on Oklahoma City channel 34 (501 miles) and channel 61 Cleveland (473 miles) will usually pop in daily, though this may just be seasonal.

The video adapter is a disappointment as a DX tool. In color, both are equal in sensitivity, but once a station fades into black and white, it vanishes into a black background on the ICOM.

The ICOM is better handling adjacent channel interference. The KADN-15 logged on September 3rd was impossible on the Zenith due to WTJR-16's channel 15 spurious signal, but on the ICOM the audio was in the clear. But in the case of local WMEC-22/Peoria overload, if I point the antenna right at them I get less garbage on the Zenith.

The R7000 allows you to TV-DX at the molecular level. Readout is accurate to 100 Hz so it is easy to determine the exact frequency by zero beating the video carrier which is AM. I've checked about 200 stations and all of the full-powered ones were accurate to within 500 Hz of their exact offsets except for these six: WMBD-31 off by 700 Hz, KDUB-40 off by 2.0 kHz, KOOR-28 off by 2.5 kHz, WMSN-47 off by 1.6 kHz, CITY-57 off by 900 Hz, WGVK-52 off by 8.0 kHz (68.0 kHz).

Translator CCI on video is easy to spot and it's obvious why when measuring their frequencies. With 40.0 kHz equaling exact minus offset, 50.0 kHz equaling exact zero offset, and 60.0 kHz equaling exact plus offset, here are some measured translator frequencies: K58BX - 61.6 kHz, K44AA - 48.5 kHz, W28A1 - 44.2 kHz, K33AA - 41.0 kHz, W57AR - 36.5 kHz, W57AO - 44.3 kHz, K54AF - 67.5 kHz, K32AF - 36.5 kHz, K48AA - 54.8 kHz, and W65B- 58.8 kHz.

The R7000 has the ability to "see" behind a stronger station. The WGNO-26 logging on September 17th is an example. On video, I had local KJMH-26's all night test pattern (with open carrier on audio) and skinny lines behind it. On the R7000, in FM narrow those skinny lines "became" clear WGNO audio. The K48AH logging on September 21st is another

**Nathaniel Ely (continued)**

19 tr 2145	KTKA 49 KS 440	19 tr 1138	KRRt 35 TX	20 tr 2320	WCAY 30 TN 490
2306	KFWD 52 TX 834	20 tr 0325-0553	All TX, OK, MO, and LA stations still booming!		Texas & Oklahoma resurfacing
19 tr 0020 =	WVKT 44 TX 920			21 tr 0049	CICO19 19 ON 471
0210	KTXA 21 TX 834			0229	WMKW 30 TN 548 (Weak)
0400	KLTJ 22 TX 994	2000	WOIO 19 OH 409	0426	WVXT 15 MS 655
0433	KRIV 26 TX 992		WUAB 43 OH 409	0536	WVTV 17 TN 490
0450	KDOR 17 OK	2045	KGMC 34 OK 675	0550	KAVU 25 TX 1064
0509	KDAF 33 TX 834	2105	KHNE 29 NE 475	30 tr 0617	CBLNt 56 ON
0535	KMSS 33 LA 760		KXNET 19 NE	0618	CITY 57 ON 503
0859	KSBI 52 OK 675	2138	WBNX 55 OH 416	0635	CBLN4 45 ON 415
0923	KABB 29 TX 1073	2213	CBLN 40 ON 410	0656	CFMT 47 ON 503
0948	KOKI 23 OK 591	2215	WADL 38 MI 310	0704	WSFJ 51 OH 420
1114	KNCT 46 TX	2228	WGRB 34 KY		

The 16th through the 20th was the best period of sustained long-haul DX that I've ever encountered. I've tried to eliminate relogs for this report. Night after night, Houston and Dallas stations rolled in. After a few nights of DX like this you get pretty tired. Thank heavens I was on vacation and didn't have to go to work!

I'm in the process of putting up a second DMX-68 tower. I'll be using the Jerrold VIP-307 Deep Fringe VHF antenna. I used a 307 in the early 70's and I've always remembered how well it worked. Of interest are the FM blocking elements.

Verified for last month: WMTT-28, Cookeville, Tennessee. They carry shop-at-home all night and do not ID.

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

CDT

**Equipment:** See September 1989 Western TV-DX

**September 1989**

3 tr 0050	WCOV 20 AL 611	4 tr 2242	WFLI 53 TN 492	17 tr 2329	KFWD 52 TX 646	
0100	WTTO 21 AL 527		WDSI 61 TN 467		KTMD 48 TX 820	
	WHLT 22 MS 645	2307	WJFB 66 TN 380		KETH 14 TX 799	
0237	WVVT 15 MS 469		(Weather Channl)	18 tr 0225	KXAN 36 TX 806	
0346	WXXV 25 MS 677	5 tr 0135	WVBN 27 OH 527	0226	KSHO 7 OK 616	
	KARD 14 LA 583	0140	WVPGH 53 PA 561	0236	KTRK 13 TX 799	
0349	WPMI 15 AL 700		WPTT 22 PA 576		unid channel 49+	
0446	KVTN 25 AR 410	0147	WPIA 44 PA 775		(Home Shopping Spree )	
0504	WVTH 13 AL 526	0158	WTAJ 10 PA 643		KHSX 49z TX 645	
0528	WBMG 42 AL 527	0229	CKCO 13 ON 555		( Home Shopping Club )	
0623	WVBD 40 MS 565	0324	W54-- 54 ??	0424	KHTV 39 TX 799	
1900	WIIQ 41 AL 580		(Unknown Family Ch)		(Unid color bar)	
1906	WCAJ 68 AL 528	0400	WNEP 16 PA 776		WVTV 39 TX 645	
1922	WDSI 61 TN 467		WVTV 33 OH 527		WVTV 39 TX 645	
	WTCI 45 TN 467		WKBS 47 PA 630		WVTV 20 TX 799	
	WMAA 29 MS 569		WVFMJ 21 OH 527		KDFI 27 TX 645	
	WVSB 27 MS 468	0452	WVET 51 PA	0426	CKCO 13 ON 555	
	WMAO 23 MS 489	15 tr 0730	CBLFT9 53 ON 511		WVTV 25 TX 733	
2051	WVOK 11 MS 572		CBLN 40 ON 511	0459	WVTV 33 TX 645	
	WVLA 33 LA 700	17 tr 0216	KARD 14 LA 583		WVTV 6 MI 431	
4 tr 0002	KLAX 31 LA 623	0252	WXXV 25 MS 677		WVTV 31 LA 623	
0006	KVHP 29 LA 723	0300	KQSD 11 SD 577		WVTV 51 TX 614	
0105	KPLC 7 LA 707	0424	KISD 10 SD 549	0523	WVTV 29 TX 883	
0130	KITU 34 TX 733	0425	WGNO 26 LA 724	0529	WVTV 33 LA 567	
0224	unid ch 43 TBN		0425 K33AA 33 IA 100	0532	WVTV 44 TX 731	
	( See comments )		(Ottumwa w/WJRT-12)	2355	KNCT 46 TX 761	
0245	KADN 15 LA 702		(Normal KIIN-12)	19 tr 0000-0700	( See Note # 1 )	
0521	WVLMG 51 TX 614	0435	WNOL 38 LA 725		0146	KTVY 4 OK 501
0534	WVFAA 51 AR 345	0520	WVLMG 14 TX 799		0300	K21AP 21 KS 300
0539	unid ch 66 TBN		KHTV 39 TX 799			(Topeka TBN)
	( See comments )		WVTV 28 ??			K31BW 31 KS 325
0546	WVETK 56 TX 650		(Unknown KAKE-10)			(Lawrence TBN)
0630	WVMS 33 LA 567	0615	unid ch 45 TBN			K39AJ 39 NE 320
0635	WVSH 67 TX 799		( See comments )			(MaicoIm TBN)
0711	WVMD 48 TX 820	0634	WVMS 33 LA 567			K45-- 45 ?? west TBN)
0803	WVXLN 45 TX 825	2240	WVTV 56 TX 650			(Unknown TBN)
2226	WVBMG 42 AL 527		KHSH 67 TX 799			
2242	WVGNX 46 GA 576		WVXLN 45 TX 825			
		2329	WVTV 22 TX 820			



Jeff Kadet (continued)

example. I was able to separate K48AH enough from K48AA (both 300+ miles in the same direction) to detect audio that was parallel to KMSP-9. 73.

(I think your TBN on channel 43 from west of Little Rock is the TBN owned K43CJ at Mountain Home. Channel 66 with TBN from east of Fort Smith may be K66CN at Harrison. I don't know that they are TBN, but the owner is Christians Incorporated for Christ. Your channel 28 with KAKE-10 would likely be K28AP, Neligh, Nebraska which is supposed to carry KOLN-10. KITN-29 on channel 40 was probably K40BR at Willmar. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61201

CDT

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1962 detent tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

September 1989

4 tr 0530 KARD 14 LA 651	18 tr 0325 KSNF 16 MO 413	19 tr 0520 KAKE 10 KS 498
0540 KLRT 16 AR 503	0545 KHBS 40 AR 513	0545 KWKT 44 TX 825
0545 KMSS 33 LA 681	2400 KTBO 14 OK 612	0555 KNCT 46 TX 863
0550 KHOG 29 AR 463	19 tr 0210 KWCH 12 KS 512	0600 K46AH 46 OK 554
0555 KPOM 24 AR 513	0300 KSAS 24 KS 498	(Medford KETA-13)
0730 KASN 38 AR 537	0345 KSNF 16 MO 413	2230 KARD 14 LA 651
0900 KVHP 29 LA 828	0400 KAUT 43 OK 612	20 tr 0315 KTBO 14 OK 612
18 tr 0150 WADL 38 MI 333	0428 KXXV 25 TX 825	21 tr 0320 KSNF 16 MO 413
0238 KTEN 10 OK 618	0445 KCEN 6 TX 858	0500 KSAX 42 MN 404
0250 KTXH 20 TX 893	0500 KETH 14 TX 893	27 tr 0445 WETO 39 TN 518
0305 KXTX 39 TX 738	0510 KTXH 20 TX 893	0450 WJHL 11 TN 526
	0512 KXLN 45 TX 919	0500 WSLJ 10 VA 583

My tentative channel 72 last month with WLUK-11 was W72AJ, Escanaba, Michigan. Bill Draeb gave me the information.

September was a record breaker with 900 mile tropo. September 4th reception was a narrow duct. All loggings except Lake Charles 29 were nearly snow free at times. No other reception beyond 300 miles.

September 18th included tropo from Oklahoma City to Houston. Tropo was out to 400 miles in other directions. This made DX'ing very difficult.

I received Houston channel 20 two nights in a row. They were with color bars and ID at least from 0250-0510. A good DX target. They have a microscopic ID, but distinctive logo. I identified them the next night as their signal was much better.

September 19th offered the longest tropo. Spanish speaking channel 45 in Rosenberg, Texas and channel 6 in Temple, Texas being the most distant UHF and low band respectively. I didn't think 850 mile plus low band tropo was possible from here. A front divided Texas ending in Oklahoma. Reception was east and north of it. There were many unids. Some believed to be more distant than anything logged. Waco channel 25 took out a weaker 25. I first thought it was local Peoria 25 signing on. Most stations had little snow at times. No DX in other directions.

Ironically, I was using a new UHF tuner for the first time. Was I impressed! The tuner was out of a 70's Magnavox model MF5131 portable black and white. On further examination, it's gain was no better than what I'd been using. I've experimented with several UHF tuners recently. The Magnavox had the best detent mechanism and had the deluxe decade channel number indicator which is nice for DX'ing. It's notably different from other deluxe decade tuners, but it has image problems as the others. The best one in this respect is the one I'm now using. It is from a 1978 Zenith black and white portable - model J193W with a 175-1962 tuner. It has an inferior detent and channel indicator mechanism. None of them show any advantage in gain, but I'm using the Winegard PA4975 at the front end.

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CDT

Equipment:

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

August 1989

24 tr 2059 KAAS 18 KS 535	24 tr 2122 KSNT 27 KS 540	25 tr 0032 =KCAU 9 IA 300
2100 KSAS 24 KS 630	2149 KHNE 29 NE 425	0041 KMCIt 38 KS
2112 KXNE 19 NE 320	2151 KMNE 7 NE 340	0155 KCPT 19 MO 550
2120 KTKA 49 KS 545	2345 KPTM 42 NE 400	("Neptune AN")
	2351 KCAN 8 NE 365	0202 WDAF 4 MO 550

Fred McCormack (continued)

24 tr 0209 KSHB 41 MO 550	17 tr 0859 KGMC 34 OK 780	18 tr 0549 KAAL 6 MN 285
26 tr 2240 K21AK 21 MN 100	0916 KSPR 33 MO 695	0550 KUSD 2 SD 265
(Morris Starion)	1022 K35AL 35 NE 455	0551 KKYIN 24 IA 310
(Not scrambled!)	(Lexington KNOP-2)	0554 KKTIN 21 IA 305
	1034 K28AP 28 NE 340	0557 KKSIN 27 IA 300
	(Neligh KOLN-10)	0624 KHIN 36 IA 390
	1039 K65AT 65 NE 340	0627 KSPR 33 MO 695
	(Neligh KXNE-19)	0633 KDEB 27 MO 695
	1046 W55BG 55 SD 260	0650 KDSM 17 IA 385
	(Wagner KUSD-2)	0659 KXNE 19 NE 320
	1059 K39AL 39 NE 340	0730 KOZK 21 MO 695
	(Redwood Falls RFD)	0754 KPTM 42 NE 400
	1115 KMCI 38 KS 555	21 tr 2145 CBWAT 8 ON 225
	1120 KAUT 43 OK 780	2215 K69BT 69 MN 105
	1126 KHAS 5 NE 435	(Red Lake KTHI-11)
	(Under KDLT-5)	2218 K67BM 67 MN 105
	1143 KPTM 42 NE 400	(Red Lake KCCW-12)
	2155 KYIN 24 IA 310	2220 K65BN 65 MN 105
	KRIN 32 IA 395	(Red Lake WIRT-13)
	2159 KDSM 17 IA 385	(Possibly WDIO)
	2200 KCRG 9 IA 395	2225 K63CI 63 MN 105
	0828 KDSM 17 IA 385	(Red Lake WGN-9)
	0830 KHIN 36 IA 390	2257 K61CM 61 MN 105
	0856 KSAS 24 KS 630	(Red Lake KBR-10)
	0857 KOKH 25 OK 785	(Storm Lake KMEG-14)

September 1989

1 tr 0912 KLJB 18(IL) 500		
5 tr 2240 KLJB 18(IL) 500		
6 tr 1957 KHIN 36 IA 390		
7 tr 0629 K39CH 39 MN 185		
(Devils Lake w/WCCO-4)		
(Normal KXJB-4)		
0127 KTIV 4 IA 300		
0133 =KMEG 14 IA 300		
0805 KAAS 18 KS 535		
0828 KDSM 17 IA 385		
0830 KHIN 36 IA 390		
0856 KSAS 24 KS 630		
0857 KOKH 25 OK 785		
	1143 KPTM 42 NE 400	
	2159 KDSM 17 IA 385	
	2200 KCRG 9 IA 395	
	18 tr 0542 KTAJt 16 MO	
	0544 KCCI 8 IA 385	
	0546 K40CO 40 IA 305	
	(Storm Lake KMEG-14)	

It was great to get in on some good tropo again. It looks like I was on the fringe of the extraordinary stuff, but it was fun nonetheless! The 17th marked only the second time that Oklahoma City has been seen here. With Oklahoma City in, you can be sure that I was straining for Dallas, but no such luck. On my last Oklahoma City opening (October 23, 1983), Dallas was seen, though not very well. I skipped a little work the morning of the 18th with Springfield, Missouri coming in. It was kind of tough watching tentative KTAJ-16 go unidentified again. The religious broadcast was being bothered by KDS-16 and was obliterated by KVR-15's adjacent channel interference when they signed on before 0600 (incidentally, KVR-15 and the rest of the Red River Television group have abandoned their 24 hour operation). Around 0800, I decided the opening was going nowhere and left for my office. Perhaps I was wrong?

Now for a little on the road DX. I spent a couple of days in northern Michigan and noted the following from my second floor motel room in Iron Mountain using a Rembrandt VA133 tuner, Rhapsody TV-670 5" monitor/receiver, and a Radio Shack 15-623 UHF Double Bow Tie:

September 1989

29 tr 2252 WPNE 38 WI 97	30 tr 0657 W54AR 54 WI 18
WXGZ 32 WI 101	(Fence WPNE-38)
WGBA 26 WI 101	0700 WCMW 21 MI 147
30 tr 0657 WTLJ 54 MI 224	0715 WWTW 18 WI 188

October 1989

1 tr 0700 WCGV 24 WI 189
WWTW 18 WI 188

At Felch, Michigan on September 30 at 0830, with the Rhapsody receiver (monopole antenna) inside my car, I noted WWTW-9 at 177 miles. At Escanaba, Michigan on October 1 at 0930 with the same setup, I noted WGTU-29 in good color at 121 miles.

I wonder if all of this was normal rabbit ear reception??

For you Iron Mountain translator fans, here was the line up while I was there:

W30AK WJMN-3	W59AQ WGN-9
W35AK WTBS-17	W63AN Family Channel
W43AN WDIV-4	W65BN TNN
K47AF The Movie Channel	W67AO WLUC-6
W56BF WGBA-26	K69BA The Disney Channel

Channels 43, 47, and 69 had scrambled video with clear audio when I arrived in Iron Mountain. The morning of September 30th, all channels were unscrambled and remained that way until I left on the morning of October 1. The channel 56 translator of WGBA-26 suffered severe CCI at times, presumably from Chicago. Recently granted channels 22 and 24 were not yet in operation.

# NORTHERN FM-DX

3100 GLENWOOD DRIVE  
WILLIAMSVILLE, NEW YORK 14221

FOR DXers in: CANADA, ME, VT, NH, MA, RI, CT, NY, PA, NJ, OH, MI, IN, IL, WI, MN, ND, SD, NE, IA, MT, WY, IA, WA, OR, AND AK. **NOVEMBER 1989**

**DEADLINE: THE FIRST** ←

## 1000+ MILE TROPS HEARD IN THE MIDWEST!!

**JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOV 10**

EQUIPMENT: Icom R7000, creative design CLP 5130-1, 25 element, log periodic at 28 feet, with rotator.

### JULY 9 E-SKIP

1237 KUNC 91.5 CO Greeley, b  
1243 KCFR 90.1 CO Denver, c  
1245 KMOR 92.9 NE Scottsbluff, r, forest fire warnings, temperature was 105 degrees!  
1303 KILI 90.1 SD Porcupine, k

### JULY 9 TROPO

1509 WVPE 88.1 IN Elkhart, j

### JULY 15 TROPO-SCATTER

0015 WDBM 88.9 MI East Lansing, r, The Impact  
0059 WGNR 88.9 MI Grand Rapids, g, very weak w/WDBM

1930 WLWQ 96.3 OH Columbus, r, QFM-96

### JULY 18 E-SKIP

1714 WAPI 94.5 AL Birmingham, r, I-95  
1717 WZEW 92.1 AL Fairhope, "ZEW with the best record library in the Southeast"  
1734 WBSN 89.1 LA New Orleans, g  
1758 WMPR 90.1 MS Jackson, js  
1759 WMAW 88.1 MS Meridian, PRM News  
1800 WMAU 88.9 MS Bude, PRM News

### JULY 18 TROPO-SCATTER

1824 WDJQ 92.5 OH Alliance, r, Q-92

### JULY 21 Tr/TrS

1921 CFLY 98.3 ON Kingston, r, 98.3 Fly, good strong Trope  
1929 CIGL 97.1 ON Belleville, ads, poor in jumble with WJOI and WREO.  
1937 CFMK 96.3 ON Kingston, k, watch this one as can easily be confused with CFMX1 (as my Jan 28 logging in the March VUD). CFMX1 has Kingston ads.

### JULY 22 E-SKIP

1331 KBLJ 93.3 CO La Junta, ads, \$  
1336 KCFR 90.1 CO Denver, c  
1340 KSPZ 92.9 CO Colorado Springs, r, much WBUF  
1353 KCOME 88.1 CO Manitou Springs, j  
1356 KUVO 89.3 CO Denver, ID, m  
1403 KWB1 91.1 CO Morrison, weather report

### JULY 24 GW/TrS

0137(WKQY) 95.5 MI Detroit, r, Q-95-FM ex:WCZY (I thought it was WKQI. Is it really a "Y"?-gc)  
0200 WRED 95.7 OH Gibsonburg, e, Italian program ID in EE and II (Italian-gc) at top of gour, new station

### JULY 25 E-SKIP

0036 KPFT 90.1 TX Houston, j in briefly, only FM E-skip noted at the time.

### JULY 26 METEOR SCATTER

1338 CHIQ 94.3 MB Winnipeg, "Winnipeg's Light rock choice....."

### JULY 27 METEOR SCATTER

0216 KVIL 103.7 TX Dallas, "...on KVIL..."

### JULY 28 METEOR SCATTER

0148 unID 103.7 ?? "...The Rock of ????"...  
0214 KEYN 103.7 KS Wichita, "at KEYN", weak, prev Es  
0259 KKYK 103.7 AR Little Rock, "on KKYK"  
0302 WRUF1 103.7 FL Gainesville, "Gainesville"

### JULY 30 TROPO

0101 WELU 103.7 IN Bloomington, j good til 0200 s/off mean WFM?? WFYR is on 103.5-gc)  
0115 WTLC 105.7 IN Indianapolis, rs, Power 105  
0157 WXTZ 103.3 IN Indianapolis, b  
0201 WAJC 104.5 IN Indianapolis, j, mentioned "non-commercial jazz all night"  
0245 WBTU 93.3 IN Kendallville, ID, k

### JULY 30 METEOR SCATTER

0301 WSOC 103.7 NC Charlotte, ".....  
WSOC, WSOC-FM...", prev Es

### JULY 31 METEOR SCATTER

0301 KEYN 103.7 KS Wichita, "in Wichita, KEYN Power 104"

### JULY 31 E-SKIP

1958 KCFR 90.1 CO Denver, c  
2000 KWBI 91.1 CO Morrison, g  
2006 KILI 90.1 SD Porcupine, e, American Indian program

2043 KPFT 90.1 TX Houston, taking phone requests for Spanish music

### JULY 31 TROPO-SCATTER

0247 WNDU 92.9 IN South Bend, ads

### AUGUST 1 M.S.

0116 WSOC 103.7 NC Charlotte, "...WSOC FM 103..."

### AUGUST 3 TROPO

0048 WJCH 91.9 IL Joliet, g, very strong Good indicator station here for tropes to west as is WMB1 90.1

0050 WKLH 96.5 WI Milwaukee, r  
0051 WAZY 96.5 IN Lafayette, k w/WKLH  
0124 WTPI 107.9 IN Indianapolis, mb  
0125 WAJC 104.5 IN Indianapolis, j  
0136 WVIK 90.1 IL Rock Island, j w/WMB1  
0140 WFIU 103.7 IN Bloomington, b  
0315 WZEW 103.7 WI Wauwatosa, b, EZ104  
0429 WBVE 96.5 OH Hamilton, k Beaver 96 and a half.

0435 WOJO 105.1 IL Evanston, Spanish  
0444 WMRI 106.9 IN Marion, m, FM107  
0516 WCCQ 98.3 IL Crest Hill, k  
0639 WBZE 91.5 IL Chicago, m  
0641 WJKL 94.3 IL Elgin, m  
0647(WTMX) 101.9 IL Skokie, r ex:WCLR ID "The New Mix 102"

0643 WTCM 103.5 MI Traverse City, ID seldom heard  
0644 WLUM 102.1 WI Milwaukee, taking telephone calls, Hot 102

0651 WJUN 99.5 IL Chicago, k, US-99  
0652 WLIJ 93.9 IL Chicago, r, Light FM  
0653 WJMK 104.3 IL Chicago, Magic 104  
0656 (WXEZ) 100.3 IL Chicago, ex: WLOO  
0657 WNUA 95.5 IL Chicago, contest promo  
0659 WGRD 97.9 MI Grand Rapids, rs, ID same format as co-channel WJLB.

0702 WBZ1 103.1 IN Huntington, news // WOWO 1190 (Is this now WOWO-FM?-gc)  
0717 WJWJ 103.9 IN Crown Pt., Joy 104  
0726 (WAJL) 95.1 IN Fort Wayne, ads, Magic 95.1 ID, ex: WPTH  
0728 WCSY 98.3 MI Grand Haven, gave "Cosy" Marine Forecast

0730 WFYR 98.7 IL Chicago, c (Do you mean WFM?? WFYR is on 103.5-gc)  
0731 WQXC 100.9 MI Osego, nx report  
0732 WNSN 101.5 IN South Bend, "Sunny"  
0733 WKQX 101.1 IL Chicago, Q101, traffic  
0737 WLJE 105.5 IN Valparaiso, k, 105.5 Country IDs

## NORTHERN FM-DX

**JEFF FALCONER'S REPORT continued**

### AUGUST 3 TROPO

0739 WCKG 105.9 IL Elmwood Park, mentioned "CKG Classic Album Exchange"  
0740 WLNK 106.3 IL Lansing, s, "Chicagoland Soft Touch station"  
0800 WKVI 99.3 IN Knox, weather report, ID

### AUGUST 3 E-SKIP

1438 KNLE 88.1 TX Round Rock, wx rpt, only 700 watts at 16 meters height.

(Ed note: This report and William Wyllie's report made it on time for last month but were misplaced. Sorry, William and Jeff.-gc) Well after a few weeks with no Es it has come back! August 3 was a banner day with a nice trop opening in the early morning hours and an Es opening in the afternoon. Looking forward to some MS during the Perseids.

**WILLIAM WYLLIE-95 PECK STREET-FRANKLIN, MA 02038-2217**

EQUIPMENT: Franklin, Mass: REALISTIC MODULAIRE 2200 with indoor built in antenna. Prudence, Rhode Island: FISHER Model 418 with built in antenna

### MAY 30 E-SKIP

1737 KWTO 98.7 MO Springfield, Ozarks only hit music station, Top 9 at 9.  
1740 WHOP 98.7 KY Hopkinsville, country mx  
1745 KTMQ 98.9 MO Kennett, ID & Country mx  
1800 KTUX 98.9 TX Carthage, Tux 99

### JULY 4 E-SKIP

1900 WMPR 90.1 MS Jackson  
1900 WXVS 90.1 GA Waycross, Peach State Public Radio  
2000 WRKE 89.3 LA Baton Rouge

### JULY 5 E-SKIP

1914 KKOK 95.7 MN Morris, KMRS/KKOK ID

### JULY 7 E-SKIP

1755 WMB1 90.1 IL Chicago, news  
1845 WLGA 91.7 GA Athens, Peach State P.R.  
1900 WMBV 91.9 AL Dixons Mills, Moody B.Net  
1909 WJSP 88.1 GA Warm Springs/Columbus Peach State Public Radio

1030 WQBO 88.7 OH Batavia

1108 WJIE 88.5 KY Ocala, religious

1200 KSNR 88.9 MN Collegeville

1200 WQJB 88.9 WI Hayward

1300 KKDL 95.1 MN Detroit Lakes, Country 95

1230 WGLT 89.1 IL Normal

1245 WNLN 89.3 IL Evanston

1345 KQWB 98.7 MN Moorehead, Q-98

(Note: May 30th was logged at Franklin, Mass., as well as July 18, 24, 25, and August 1. William DXed from Prudence Island, RI July 4-9, and August 4th-gc)

**MORRIS SORENSEN-BOX 422-PORT CARLING, ONTARIO P0B 1J0**

RECEIVER: Sony ICF-2010

ANTENNA: Archer (Radio Shack) FM rabbit ears

### JULY 24 TROPO

2246 WREO 97.1 OH Ashtabula, WREO 97.1 ID, contest promo  
2253 CFMK 96.3 ON Kingston, Blue Jays Baseball

### AUGUST 28 TROPO

2158 C1QM 104.3 ON Sault Ste Marie, country, Broadcast news, sports, into program called "Just Call It Country/Folk" ID as "Q-Country"  
2238 WJML 98.9 MI Petoskey, contemporary hits/oldies mix, ID as "99 JML keeping you in touch with Northern Michigan", local ads.

"Not Much Time For DXing lately!" 73. Morris Sorensen

STATION NEWS: WXXM 98.9 Upper Arlington (Columbus), Ohio is on the air with lite rock, and "Mix". WKSD 99.7 from the Van Wert area. WFGP 96.9 in Atlantic City, New Jersey has switched from easy listening to lite rock. WRCH in New Britain, Conn. did the same.

BILL MENAJADLY 69 HIGHLAND AVE. CLIFTON, NJ 07011

**AUGUST 14** Morning tropo, Central PA. good, **August 18:** Yes, Yes I know, Super Es in the Morning &#@\$@\*! I missed it! **August 23 and 24:** E-skip MUFed to 3 & 4 on TV, **August 29:** Aurora noted around 2130; no IDs though one area DXer had Brewers Baseball on 93.7. **September 6 & 7:** Very strong tropo PA, NJ, CT and DE adjacents from 2330 to 0200. **September 14:** 0045 Very good tropo all around PA Adjacents, Allentown and Hartford and WMJV 105.5 over WDHA 105.5. WPLR 99.1 over WAWZ - WOBM 92.7 over WDRE 92.7 - WSBG 93.5 Stroudsburg PA 93.5 thru WRTN 93.5! and WFMZ 100.7 thru WHUD and new **WDAQ 98.3 CT Danbury** over strong WKJY! New England Super on UHF-FM so so meaning UHF was even stronger, and FM was good! WDAQ 98.3 using 98Q non ID-"semi-lame". Some stations so common on trop now I won't even mention them (Philly and Atlantic City for example).

**TUNER REVIEW:** Recently I had a chance to test out the **Yamaha TX900 tuner.** Bill Kretchner came here with his tuner on a visit. We hooked it up to the Antennacraft CFM6 FM antenna and here 12 miles from NYC we got the Philly adjacents, some Hartford's and previously impossible frequencies like 100.5, 100.9, 105.3, and 98.1. WWRX 103.7 RI, WRCH 100.4, WHLM 106.5, WRQX 107.3 heard with minimal to moderate interference from locals. Yamaha has super narrow, fine tuning like 92.890! It has preset's. db readout scale and most incredible is the price: \$400! I am seriously thinking of getting one! Also not long ago we tried out Carver TX-11 here; kind of disappointing. Way too much QRM adjacent from NYC locals. The Carver suffered from not having super narrow. But it is quite good for E-skip though, current Carver price is \$450. Tried out a Luxman 117 model in a store; quite a poor machine for \$600 with no super narrow. So yes, there is another "DX machine" out there and it is the Yamaha, but it didn't get anything on 97.3 or 94.9 and there was some splatter but definitely outperformed the Carver. I wonder if the "DC Guys" would benefit from this tuner, probably! **GOOD DXing, Bill**

**MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONN. 06082**

Equipment: Carver TX-11 with Stereo Probe 9 at 30' with rotor. New underlined; new mode with broken underline.

**JULY 18 E-SKIP**

2015 Miami area good: WLVE 93.9, WZTA 94.9, WLYF, WQBA 107.5, WHYI 100.7, WSHS 103.5  
WEAT 104.3, WMCU 89.7, and WCMQ 92.3  
2043 WSEF 90.1 FL Fort Myers // WUSF  
2046 WAYJ 88.7 FL Fort Myers, g  
2048 WUSF 89.7 FL Tampa  
2100 WMFO 92.9 FL Ocala  
2102 WJIS 88.1 Bradenton, "Joy 88"  
2119 WKES 101.5 FL St.Petersburg, g  
2124 WYGC 100.9 FL Gainesville, "GC-101"

**AUGUST 9 TROPO**

0907 WEXR 93.5 MA Harwichport, "Fox 93.5"  
**AUGUST 18 E-SKIP**  
0816 KRRV 100.3 LA Alexandria  
0816 KYKR 93.3 TX Port Arthur, "Kicker"  
0818 KQXY 94.1 TX Beaumont, "Y-94"  
0828 KAFX 95.5 TX Diboll, "K-Fox", r  
0838 KSMB 94.5 LA Alexandria  
0838 KTUX 98.9 TX Carthage, "Tux 99"  
0843 KBHT 93.5 TX Crockett, r  
0901 WQUE 93.3 LA New Orleans, "Q-93"

**COMMENTS:** Looking for a **Probe 9?** The Probe 9 is listed in the Sears catalogue for \$60.00. Order it through the catalogue and pick up at your nearest Sears. That's how I got mine. I thank my wife for discovering this (Thank you Mike (and thank your wife) for that tip; I bet some will greatly benefit from this info!-gc)...A loud complaint about the lack of tropo this summer. Lack of rain is not our problem this year! Tropo seems to be on the rise in Sept. I'm looking forward to some good midwest tropo...I now have my FM log completely computerized on the 64C. When I first started DXing here in 1974 I started using two logs-one by freq and one by date. During July and August I finally combined these logs into one, finding many mistakes as I went along. The end result is that my number of stations is up to 1486 because of sloppy record keeping. That's all. Hope DX is good to you this fall. - Mike

**Hot tropo reach some DXers in August and September. See your DX columns for more details.**

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner - Stereo Probe 9 Antenna 37 ft. above ground

**September 1989**

4 tr  
0041 **KMJX** 105.1 AR Conway-Little Rock, 520  
"Magic-105," ads for Little Rock, r\$  
0122 **KOYN** 93.9 TX Paris, k\$, 719  
Previous MS  
0155 **KHLT** 94.1 AR Little Rock, mr\$ 532  
(o/WHIX 94.1 IL Mount Vernon)  
0200 **KEZQ** 100.3 AR Jacksonville-Little Rock, b\$ 524  
0232 **KRRV** 100.3 LA Alexandria, k\$, wx, 730  
"K Double RV"  
9 tr  
0200 **WVPG** 90.3 WV Parkersburg, c\$ 213  
(WBCL 90.3 IN Fort Wayne, off air)  
0230 **WOTL** 90.3 OH Toledo, g\$, on air 139  
(u/WFOF 90.3 IN Covington)  
12 tr  
0000 **WKSD** 99.7 OH Paulding-Van Wert, 85  
(Class A - new to air), "Kiss-99.7," r\$  
14 MS  
0809 **KMXR** 93.9 TX Corpus Christi 1098  
17 tr  
2337 **WLTE** 102.9 MN Minneapolis-518  
(ex-WCCO) mr\$ St. Paul, "Lite-103"  
18 tr  
0018 **KJJO** 104.1 MN St. Louis Park, rp\$ 522  
"Rock-104, the twin cities rockin' best,"  
(WLBC off Monday mornings for two hours)  
0124 **WJJO** 98.1 MN St. Cloud, k\$ 578  
"98-Country," calls, central lakes f-ball  
0155 **KQRS** 92.5 MN Golden Valley-520  
rp\$, "KQ-92," Minneapolis-St. Paul  
(The signals to MN were very strong!)

18 tr (cont'd)  
0200 **WCTS** 100.3 MN Minneapolis-St. Paul, g\$ 518  
(u/WKEZ 100.3 IL Chicago)  
0220 **WOZZ** 93.5 WI New London, r\$ 347  
"The Land of OZ"  
0300 **WMQT** 107.5 MI Ishpeming-Iron 465  
Mountain-Houghton-Escanaba-Marquette r\$  
0330 **WGNV** 88.5 WI Milladore, g\$ 386  
(o/WVUB 88.5 OH Oxford)  
0355 **WAVC** 105.1 MN Duluth-566  
"Country-105," Superior WI, k\$  
(WQJL 105.1 IL Evanston, off air)  
0400 **KQDS** 94.9 MN Duluth-566  
Superior WI, r\$  
19 MS  
0855 **KOYN** 93.9 TX Paris 719  
20 tr!!  
0000 **KIXQ** 93.9 MO Webb City-Neosho-533  
Carthage-Joplin, k\$  
0310 **KMXR** 93.9 TX Corpus Christi, 1098  
(Yes, by tr!)  
28 MS  
1222 **KOYN** 93.9 TX Paris 719  
29 tr  
0100 **WMMX** 98.9 OH Upper Arlington-125  
"Mix-98.9" Columbus, r\$  
(o/WBYR 98.9 OH Van Wert-Ft. Wayne)  
**October 1989**  
1 GW  
2230 **WHZR** 103.7 IN Royal Center, r\$, 68  
"Hoosier-103," ID equipment testing  
2 MS  
1528 **KILO** 93.9 CO CO Springs 1040

**Meteor Scatter Results:**

9/14 **KMXR** "...93.9 **KMXR**..."  
9/19 **KOYN** "...Jerry Cole's Fina and Wholesale Tire - a mile and a half on the loop on Highway 82 east of Paris - open..."  
9/28 **KOYN** "...This is **KOYN**..."  
10/2 **KILO** "...live via satellite, you can start calling with your questions at 8:30

p.m. The number is toll free-1-800-344-ROCK. It's Elton and Bernie tonight on Kilo's rock line. Spring's forecast - partly cloudy, breezy, cool, some low clouds and fog developing tonight continuing through tomorrow morning. Low tonight about 35..."

Frank Merrill, Macomb, IL, telephoned Sept. 19th to inform me that he and Jeff Kadet were receiving fantastic TV and FM reception from as far south as Texas, Louisiana, and other "far out" locations by tr! Nate Ely and Bill Draeb of Wisconsin were also receiving this unusual and most welcomed reception. Unfortunately, there was little here. Andy Bolin, Charleston, IL, found the FM band to be dead at the time. The only unusual logging by tr I found was **KMXR 93.9 Corpus Christi, TX** with calls given. This is not a record, but 1098 miles is my most distant tr catch. My previous record was 836 miles to Orlando, FL - **WDIZ 100.3**. Hopefully others found outstanding September reception.

As you can see from my report, two good days in September were noticed here. The 4th to Arkansas, Louisiana, and Texas was nice. Minnesota, Wisconsin, and Upper Michigan found on the 18th was interesting. This is the first time I've heard Duluth by tr.

A few new Ohio stations have been noticed as new to the airwaves. The only new IN station was giving ID's while testing equipment. **WHZR 103.7**, a class A in Royal Center, IN has a r\$ oldies format like so many FM's these days. What fad do you suppose will be with us after this one dies out? More later! 73-Ralph

**AUGUST 5 TROPO-SKIP**  
 2203 KPBX 91.1 WA Spokane, NPR  
 2203 KMBI 107.9 WA Spokane, g prog.  
**AUGUST 8 TR-SC ALL NITE (NOTE #1)**  
 K211AP 90.1 WA Centralia // KPLU 88.5  
 cve KSVR with full quieting \$\$  
 K276AD 103.1 WA Shelton, //KSEA100.7 KC101  
 KMNT1 102.9 WA Centralia, ad, k music assumed  
 2204 KATS 94.5 WA Yakima, regular TrS  
 2208 KPQ 102.1 WA Wenatchee, Q-102, CHR  
 2208 KFFM 107.3 WA Yakima, CHR, regular Tr  
**AUGUST 8 M.S.**  
 2134 unid 91.1 (beam 110'), urban mx \$  
 2147 KMGW 94.5 WY Casper, prev Es (1980)  
 "in Casper, when all..."  
 2153 KKEZ 94.5 IA Fort Dodge, "Dealers in  
 Ames, Fort..."

**AUGUST 9-11 M.S.**  
 many pings, longest 14 seconds on FM, tentative  
 KBLX 102.9 CA, KNFT 102.9 NM, KVFM 94.5 UT  
 (local refs), KBUL 98.1 NV over KING-FM.  
**AUGUST 13 TROPS-SCATTER**  
 1625 KQIR 90.7 ID Twin Falls, g (Nice catch-gc)  
 1625 KCIX 105.9 ID Boise, "K106" and ad  
 1625 KFFM 107.3 WA Yakima, FM107, CHR

NOTE #1: As reported to Western TV DX there was an unusually strong local tropo (duct, perhaps?) centered on the Seattle-Tacoma and Central Southern WA. Even the weak ones, KVTI 90.9, KSVR 90.1, KCMU 90.3 and others came in full quieting no matter which way the beam was pointed. The FMs from Centralia plus xlttrs are very rare. All TV stations were the same with many TV/FM IDs recorded. Is this the wave guide effect as theorized by Frank Merrill in last month's WTVDX column? I've never experienced tropo like that before! (It sounds like the tropo was so intense that those stations, in effect, became "locals" during the opening-gc). To wrap up, Summer 1989 has been a drag as far as Es goes, but am gearing up for some F2 openings this fall, winter and spring. WWV recently announced the solar flux was 305 (!!!). During the last sunspot cycle, I definitely IDed 92.3 and 96.3 from Hawaii and have a tentative on JOBK 88.1 Osaka, and JOCU 88.7 Nagoya (Japan-gc) so will keep a vigil with the beam between 210 and 310. Maybe December Es will be better than this past summer. I have met Dave Sinclair and Gord Lansdell, both club members from Vancouver so will keep an alert system for unusual skip. Until later

FRANK MERRILL - BOX 669 - MACOMB, ILLINOIS 61455

EQUIPMENT: Macintosh MR78 tuner, separate Channel Master Stereo Probe 9 yagis at 8 and 48 feet, with A/B switch.

**JULY 18 E-SKIP**  
 1957 WFKZ 103.1 FL Plantation Key Largo, 1200  
 1957 WSHE 103.5 FL Ft.Lauderdale  
 1959 WCTQ 92.1 FL Venice  
 1959 WFTL 91.7 FL StPetersburg, ID 990  
 1959 WHGS 90.3 FL Haines City, ID 970  
 2001 WCOQ 98.3 FL Immokalee, Cool-FM 1100  
 2004 WXCX 92.5 FL Safety Harbor  
 2004 WKZY 92.1 FL LaBelle, WKZY, Cozy 1130  
 2010 WOJQ 100.1 FL Lehigh Acres, classic  
 rock and roll, 107.1 WOJ 1130  
 2018 WAFQ 106.3 FL Clewiston, PSA, calls 1130  
 2020 WHQT 105.1 FL Coral Gables  
 2029 WSRZ 106.3 FL Sarasota  
 2036 WHS 107.1 FL Key West  
 2041 Cuba 90.3 (relog?) HELP! Does anybody  
 have a list of Cuban FMs. I have logged six from  
 Ohio and here, and I can't get information.  
 2044 Cuba 100.7 relog  
 2047 WRBA 95.9 FL Springfield, bumper  
**JULY 19 TROPO**  
 0140 (WJEQ 102.7 IL Macomb off the air.  
 Committed to tape K274AA-IA (Elridge-gc).  
 WVAZ-IL, WEGR-TN, WPPR-IN before 0200  
**JULY 20 E-SKIP**  
 2045 KSEV 96.1 OR Ontario, ad foe Gentrys in  
 Ontario. Called station to verify. State #43 1360 was 40 by July 24!

**AUGUST 18 E-SKIP**  
 2044 KANW 89.1 NM Albuquerque, rap, lcl refs  
 2051 unID 91.1 blues music, 80 deg beam  
 2059 KSJN 91.1 MN M'npls, ID, concert pgm  
 2105 MUF returns to 70 Mhz until 2220.  
**AUGUST 23 E-SKIP**  
 1853 KZNA 90.5 and KZNA 91.1 in //  
 These I regularly can use for Midwest U.S. DX  
 1858 WOI 90.1 IA Ames, ID, c, over lcl KSVR  
 1903 MUF to LO-TV, back to FM 2124  
 2126 KDSD 90.9 SD Aberdeen, c, ID, full qting\$  
 2129 KIOS 91.5 NE Omaha, Omaha ment, c  
 2130 KWIT 90.3 IA Sioux City, ID, c music  
 2132 KUSD 89.7 SD Vermillion ID state netwrk  
 jazz, full quieting \$  
 2247 unID 89.7 folk music to Southeast MUF  
 down to 75 Mhz, out after 2214.

**AUGUST 28 AURORA**  
 all evening, heavy noise on TV-LO/FM Only IDs:  
 2217 unID 90.7 CBC (beam ENE)  
 2230 CBX 90.9 AB Edmonton, CBC Stereo, Alberta  
 2242 CFMC 95.1 SK Saskatoon, local PSA.  
 2300 CFMM 99.1 SK Prince Albert, Power 99 ID  
**AUGUST 29 TROPO-SCATTER**  
 0818 KPBX 91.1 WA Spokane, Morning Edition  
 0820 KPQ 102.1 WA Wenatchee, Q-102

**JULY 22 E-SKIP**  
 1106 KRYT 107.9 CO Pueblo, calls 750  
 1107 KGCX 107.7 KS Goodland, calls, etc 560  
 1116 KBOM 106.7 NM Los Alamos, Spanish  
 calls and jingle 950  
 1117 KCSJ 107.1 CO Pueblo, call jingle 750  
 1119 KMYQ 104.5 NM Bloomfield, PSA 1050  
 1121 KTRA 102.1 NM Farmington, lcl ad 1060  
 1122 KVLE 102.3 CO Gunnison, KVLE temp 900  
 1124 KKCS 101.9 CO Colo. Sps., calls 750  
 1129 KBYU 89.1 UT Provo  
 1133 KAZY 106.7 CO Denver, "KAZY's..." 750  
 1135 KRXY 107.5 CO Lakewood, KDVR-31  
 ad, Y-108 slogan, etc. 750  
 1137 KIKX 102.7 CO Manitou Sps, Kicks, a  
 real shocker with WJEQ at 25000 Watts and  
 1 1/4 miles away!, I never expected to log  
 another station on this frequency. Actually a  
 little bit under WJEQ but virtually equal to  
 them. so MR78 wasn't full capturing WJEQ!  
 1146 KKDD 107.1 CO Brush, "KD-107" 670  
 1148 KEKB 99.9 CO Fruita, jingle, and  
 promo with call letters. 970  
 1149 KZMC 105.3 NE McCook, ad, wx 530  
 1151 KUAD 99.1 CO Windsor, legal ID, only  
 CO I had ever heard before today, Colorado total  
 1152 KREX 103.5 CO Denver, local ads 750

**JULY 22 E-SKIP cont**  
 1153 KYGQ 98.5 CO Denver, local temp, calls 750  
 1154 KNNG 104.7 CO Sterling, ad, NE CO wx 680  
 1157 KOID 93.1 CO Grand Jct., CT40 promo 970  
 1158 KTCL 93.3 CO Ft.Collins, F.Collins ad 750  
 1158 KZYR 103.1 CO Avon, ad, contest calls 850  
 1159 KVOD 99.5 CO Denver, legal ID 750  
 1201 KOSI 101.1 CO Denver, legal ID 750  
 1204 KMTJ 92.7 CO Glenwood Spr, local ad 850  
 1205 KMJL 100.3 CO Denver, Light Rock  
 100.3, KMJL Denver... 750  
 1208 KQKS 104.3 CO Longmont, KS104 promo 750  
 1212 KBQC 97.3 CO Pueblo, calls 750  
 1215 KRMH 93.5 CO Leadville "K-Rocky Mountain  
 High" 850  
 1220 KHHH 94.7 CO Boulder, "K-High-94.7 FM,  
 94.7 The Wave, Denver..." 750  
 1227 KBRE 94.9 UT Cedar City, Sheriffs alert  
 (Cedar City area), ROCK HITS 95, WHY DO SO  
 MANY STATIONS STILL AVOID DIGITAL SLOGANS?  
 (Perhaps in a rural area such as this not many  
 people have digital tuners, and there are not many  
 stations on the dial anyway to be confused with-gc)  
 1231 KCGY/KYCS 95.1 WY both  
 1239 KOMP 92.3 NV Las Vegas, weak with calls  
 1251 both 93.1, 93.9 Riverton, WY  
 2116 KRST 92.3 NM Albuquerque  
 2121 KCLL 107.5 LA Houma, Waterland USA of  
 Houma, side-scatter? nothing else in this area  
 in (maybe a separate weaker cloud, which was  
 drowned out by the more westerly cloud on all  
 frequencies except this?-gc)  
 2128 KAFF 92.9 AZ Flagstaff  
 2129 KRFM 96.5 AZ Show Low  
 2130 KKOR 94.5 NM Gallup, PSA 1050  
 2134 KVNA 97.5 AZ Flagstaff  
 2138 KLZK 98.3 TX Farwell, classic hits 98.3  
 and calls heard twice 770

**JULY 23 E-SKIP**  
 1008 KLCY 94.1 UT Salt Lake  
 1034 KLSK 104.1 NM Santa Fe, phone no. 1000  
 1040 KIVA 105.1 NM Santa Fe, "The Beach,  
 I-25 in Montana, if its going on in NM..." 1000  
 1046 KNYN 95.5 NM Santa Fe, "Country music  
 is back at the High Mesa with NM's own  
 South by Southwest" 1000  
 1050 KMYI 107.1 NM Armijo 1030  
 1054 KFMG 107.9 NM Albuquerque,  
 KAMX/KFMG ID, "Solid Rock 108" slogan 1030  
 1056 KKBX 98.5 NM Los Alamos, legal ID with  
 Santa Fe and Albuquerque 1010  
 1111 KSLV 95.3 CO Monta Vista, calls heard 950  
 1121 KISE 96.1 ID Idaho Falls, weather with  
 Idaho Fls, Pocatellom and Blackfoot temps 1150  
 1129 KRSJ 100.5 CO Durango, weather 1050  
 1131 KVNA 97.5 AZ Flagstaff  
 1132 KCCY 97.9 CO Pueblo, countdown promo 750  
 1133 KTRA 102.1 NM Farmington, with calls  
 1135 KSPZ 92.9 CO Colorado Springs, wx 750  
 1136 KRWN 92.9 NM Farmington, The Choice  
 of the San Juan Basin, FM 93, The Crown 1050  
 1139 KKEM 96.5 CO Colorado Sps, ads 750  
 1150 KILQ 93.9 CO Colo. Sps, ads and legal ID,  
 "Colorado's home of great rock and roll" 750  
 1159 KJOL 90.3 CO Grand Junction, legal ID 1000  
 1159 KVEE 92.3 CO Grand Junction, legal ID for  
 92.3 and AM 1100 1000  
 1200 KRCL 90.9 UT Salt Lake City  
 1201 KCPX 98.7 UT Salt Lake City

**JULY 23 E-SKIP cont**  
 1205 KPRN 89.5 CO Grand Jct., weather, TC,  
 legal ID with ltsa KOPN-MO CCI 1000  
 1217 KRPB 107.9 UT Roy, rodeo spot, 1080  
 1218 KYCS 95.1 WY Rock Springs  
 1331 KRDO 95.1 CO Colo.Sps, cls, wx 750  
 1335 KOME 88.7 CO Manitou Sps, PSA,  
 soon resumed classical music 760  
 1353 KRAI 93.7 CO Craig, legal ID in  
 break of Casey Top 40 countdown 980

**JULY 24 E-SKIP**  
 2102 XHH 100.7 CH Ciudad Juarez, ID:  
 "transmitiendo desde...estudio en Ciudad  
 Juarez, Chihuahua, Mexico" 1110  
 2234 KRIN 94.3 NM Raton, wx, time 900  
 2243 KUVO 89.3 CO Denver, promo for  
 Gibson Jazz Festival on KUVO tomorrow 750  
 2310 KRST 92.3 NM Albuquerque  
 2316 KVUL 99.9 CO Pueblo, K-View 99.9 750  
 2334 KANW 89.1 NM Albuquerque

**JULY 25 E-SKIP**  
 THIS ES BEST ON TALL TOWER  
 1103 KRIS 92.1 TX Seabrook, legal ID  
 after classical selection, no fading! 820  
 1121 KHQS TX Sonora, ads, local temp 930  
 1128 XHEC 91.9 CL (??-gc)  
 1141 KJNL 92.7 TX Eagle Pass, ads, calls  
 92.7 on your digital radio dial, FM 93 970  
 1146 XHTA 94.5 CL Piedras Negras, SS ad 970  
 1158 XHSG 99.9 CL Piedras Negras, local  
 ads including one in ENGLISH, legal ID 970  
 1207 KHEE 94.3 TX Crystal City, SS news  
 , MONO, local Carrizo Sps/C.C. mentions 950  
 1210 XHRE 107.9 CL Piedras Negras, legal  
 ID in Spanish after FRANTIC jabbering 970  
 1216 XHMP 95.5 CU Torreon  
 1236 XHPE 97.1 CU Torreon, ad

**JULY 28 E-SKIP**  
 1211 KAMZ 93.1 TX El Paso  
**JULY 29 TROPO**  
 0459 WPHN 95.5 MI Gaylord, legal ID with  
 WOLW 91.1, with mailing address, etc 420  
 0548 WOUZ 101.3 MI Grand Rapids, Re:TIGERS  
 "we followed the doubleheader yesterday, on  
 CUZ- AM that is"

**JULY 31 E-SKIP**  
 1100 KALP 92.7 TX Alpine, beautiful legal ID  
 1103 KNFMt 92.3 TX El Paso, "...NFM" jingle  
 (Drat, could be KIJN-FM)  
 1111 KKOX 93.3 NM Albuquerque  
 1116 KMYI 107.1 NM Armijo  
 1121 KIDI 103.3 NM Albuquerque, Kidi FM  
 in Spanish 1030  
 1129 KGLX 99.1 NM Gallup, calls 1150  
 1129 KBOM 106.7 NM  
 1135 KLSK 104.1 NM  
 1141 KONM 93.7 NM Gallup, "New Mexico  
 and Northern AZ, KQ-93" 1150

**AUGUST 2 INTENSE TROPO!**  
 1923 WZZP 103.9 IN South Bend, Zip104 250  
 1927 WHME 103.1 IN South Bend, cellular one  
 ad, White Sox?!, Format change from g? 250  
 1940 WNSN 101.5 IN South Bend, Michiana  
 ad, DEAD AIR!, then Sunny WxWatch 250  
 1945 WBSW 107.3 IN Warsaw, ads, Cubs 300  
 1953 WTCM 103.5 MI  
 1954 WLDR 101.9 MI Traverse City, Sunny  
 FM, WLDR, and local PSA 390  
 2000 WPHN 90.5 MI Gaylord, strong!

**GOT DX? REPORT IT TO THE VUD!!!**



<b>AUGUST 3 SUPER TROPO</b>	
0000 WKCC 98.1 MI Saginaw	420
2043 WOOD 105.7 MI Grand Rapids, WoodFM	320
2046 WMRI 106.9 IN Marion, John Denver song calls tough, barely audible under WSWT.	300
2053 WIOQ 102.5 MI Bay City, ads, jingle	420
2057 WUGN 99.7 MI Midland, New from IMS. Then Michigan News. Not WIMI	400
2100 WIAA 88.3 MI Interlochen, Interlochen Public Radio, followed by a legal ID	380
2108 WYXX 96.1 MI Holland, We're WYXX	310
2111 WRUP 103.3 MI Marquette	
2116 WDUZ 98.5 WI Green Bay, full ID	
2117 WRQT 100.1 MI Bear Lake, THRU WKAI! r, DJ talking after song, then gave calls	360
2128 WKVI 99.3 IN Knox, local ads, completely knocked WDUK off the dial	240
2133 WLTO 103.9 MI Harbor Sps., promo ID, bragging about now 50,000 watts; must now be an upgrade to 25 kw h & v	400
2134 WMBN 96.3 MI Petoskey, wx, calls, EZ96	400
2148 WHFB 99.9 MI Benton Hbr., calls, request show with NYLONS "Drift Away" at #2!!	240
2151 WJML 98.9 MI Petoskey, 99-JML, promo	400
2203 WBLV 90.3 MI Twin Lake	
2205 WNMU 90.1 MI Marquette, Upper MI wx, legal ID at 2206. TOUGH frequency!	450
2211 WMGV 103.9 WI Oshkosh, cis, Magic 104	320
2226 WMUS 106.9 MI Muskegon, 107MUS is 106.9 FM and mention of County Fair.	330
2242 WEWZ 107.1 IN Elwood, local ads, wx EZ101 - Central Indiana's Good Music station	300
2300 WAIR 92.5 MI Atlanta, long legal ID	450
2307 WOMC 104.3 MI Detroit	
2309 WRIF 101.1 MI Detroit, calls, rock&roll	405
2317 WUPS 98.5 MI Houghton Lake, Chicago mx	410
2322 WZPL 99.5 IN Greenfield, rare due to WQCY	
2354 WCRZ 107.9 MI Flint, "You can't buy bedding of this quality anywhere else in Flint."	420
2020 WKJE 92.9 MI Cadillac, ad for sale on M66 N. of Marion, 92.9 KJF, Tigers spons.	380
0000 WHNN 96.1 MI Bay City	420
0014 WCML 91.7 MI Alpena, CMU Public Radio	475
0027 WHSB 107.7 MI Alpena, "Your leader HSB"	475
0042 WGRD 97.9 MI Grand Rapids, calls, (?-gc)	320
0048 WCMU 89.5 MI Mt. Pleasant, // 91.7 WCML	410
0120 WQRS 105.1 MI Detroit, Mozart, legal ID	405
0128 WJOL 97.1 MI Detroit, "We're Detroit's FM. WJOL, W-Joy, then Detroit weather and ID	405
0416 WWWW 106.7 MI Detroit	
0423 WDJQ 92.5 OH Alliance, WDJQ news, etc.	500
0449 WKSU 89.7 OH Kent, WKSU's Morning Edition, promo for OHIO PORTFOLIO on WKSU	490
0457 WTOE 98.1 OH Canton, lgl ID w/Akron, weak	480
0501 WHBC 94.1 OH Canton, ID	
0559 WIMI 102.1 OH Lima, ad for dealer in Celina	340
<b>AUGUST 3 E-SKIP</b>	
1139 WKQS 99.9 FL Boca Raton, 99.9 Kiss FM	1100
1142 WKTK 98.5 FL Crystal River, Florida' best summertime Music KTK"	920
1146 WTHM 98.3 FL Goulds, Coral Gables ad in SS	1200
( I believe this ones calls are now WAQL-gc)	
1151 WQBA 107.5 FL Miami	
1155 WQYK 99.5 FL Tampa, ad, Quickscan weather	990
1204 WFCE 88.9 FL Tarpon Springs, calls/address	970
1204 WQCS 88.9 FL Fort Pierce, Classic 88.9, ment hometown St. Lucie West, phone# in St. Lucie	1100
1222 WBYZ 94.5 GA Baxley, MONO, furniture ad, and ad for Chevy olds in Baxley, more ads	830

<b>AUGUST 3 E-SKIP continues</b>	
1227 WKXH 95.9 GA Alma, Country Kids	830
96 WKXJ jingle after local ads	830
1231 WDX 95.3 GA McRae, ID at tunein	830
1240 WBQ 104.3 GA Augusta, calls, ads	790
1240 WHTK 99.7 SC Port Royal, ad for Hollywoods, Savannahs largest dance	850
1251 WSSX 95.1 SC Charleston, the new 95-SX, then football promo into legal	830
1257 WMTY103.5 SC Greenwood, ment Saluda	
1303 WLOQ 103.1 FL Winter Pk, WLOQ Winter Park - Orlando's best, WLOQ 103.1"	980
1307 WQHL 98.1 FL Live Oak, the best music is between you and WQHL	860
1308 WPCV 97.5 FL Winter Park	
1312 WMTM 93.9 GA Moultrie, local ad	810
1315 WLPT 88.3 GA Jesup, Georgia radio fellowship, Box -- Jesup, Georgia	850
<b>SEPTEMBER 8 TROPS</b>	
<b>"THUNDERSTORM FRONT"</b>	
1058 WLRT 92.7 IL Kankakee, You're listening to 92.7 WLRT Kanakakees Light Rock 93"	170
1119 WABT 103.9 IL Dundee, 40 min free ride, 40 minutes of the NW's best	180
1128 WJY 103.9 IN Crown Point, Joy 103.9 promo, many local mentions	190
Hello, y'all. Certainly a banner season for Es when all was said and done. FM totals burst from 801 to 1272 between June 1 and August 3! 300 to 350 of these, I think, were Es. I've barely had time to even post these to my log (an this report), let alone count up separate Es/Tr totals. Summer can keep one busy, if you live in the centre of the continent! July blew June out of the water in considering which month was best for DX! (I would agree here too-gc) Right now I have 26 hours of video tape (taped in HI-FI, slow speed, with clock input for video) to go through to transfer recent FM DX to cassette-such! Hi-fi sound quality, at slow speed, is as good as chrome tape! I guess I missed a dandy opening to the gulf August 30th-I was in South Dakota. Don't stop looking just because it's fall-most of my super long haul trop have been during fall or early winter openings. Note #1: Aug. 2 2117, I needed WGLC-IL for a taped ID so I thought I'd try for it. Lo and behold, a station jumped on top of 4 mile local WKAI at its semi-null towards the NE. I was so busy DXing I merely marked down the "call change" (I assumed it was new calls for Mendota), though the FM Atlas had WGLC. I was really surprised a bit later, when WRQT's calls jumped out at me when I was scouring for N.Mich DX targets. I suspect this is now a C-1 with high power. Does anybody know? (You are right when you say to keep checking in autumn. Just the other day (October 1) I had strong trop to North Indiana (FortWayne/South Bend). I hope you and some of the other Midwest DXers got in on this event-gc)	

<b>AUGUST 10 METEOR SCATTER</b>	
0331 KKYK 103.7 AR Little Rock, "...on KKYK...."	
<b>AUGUST 13 M.S.</b>	
0206 KEYN 103.7 KS Wichita, "...always a better mix of todays' rock hits on the Rock of Wichita	
<b>AUGUST 18 TROPO</b>	
2109 WJKL 94.3 IL Elgin, mb, ads	
<b>AUGUST 23 TROPO</b>	
2242 WVIK 90.1 IL Rock Island, c mixing w/WMBI	
<b>AUGUST 25 TROPO</b>	
1613 WJCH 91.9 IL Joliet, g, very strong	
1617 WMBI 90.1 IL Chicago, g, also strong	
1618 WLTO 97.3 WI Milwaukee, soft r, Lite 97	
1620 WLZR 102.9 WI Milwaukee, r, Lazer 103	
1622 WBZN 100.7 WI Racine, j, Breezin 100.7	
1625 WUWM 89.7 WI Milwaukee, news report	
1633 WJKL 94.7 IL Elgin, mb	
1652 WCSY 98.3 MI South Haven, ads, Cozy 98.3	
1656 WEWZ 103.7 WI Wauwatosa, contest promo	
1659 WBEZ 91.5 IL Chicago, wx rpt, ID, wk w/WXXI	
1846 WGCI 107.5 IL Chicago, traffic report	
1856 WFMT 98.7 IL Chicago, ID	
1859 WLUP 97.9 IL Chicago, soft r, the Loop	
1900 WXEZ 100.3 IL Chicago, wx, Extra Easy WXEZ	
1903 WLIT 93.9 IL Chicago, Chicagoland wx, Light FM	
1905 WZTR 95.7 WI Milwaukee, old r, Star 95	
1913 WFMR 98.3 WI Menomonee Falls, c	
1923 WVAZ 102.7 IL Oak Park, sr, The New V-103	

**EQUIPMENT:** Icom R7000, 25 element log periodic at 28 feet.

Nothing spectacular this time.



**CHARLES GAUTHIER - 3260 BEAULIEU - BROSSARD, PQ CAN. J4Z 2P7**

Equipment: JVC RX150BK Digital synthesizer receiver  
-Lindsay omnidirectional FM antennal converted in a bi-directional dipole (North-East/South-West) at 20 feet above ground (outdoor).  
-RG59U Coax

<b>AUGUST 29 TROPO</b>	
2308 WCNY 91.3 NY Syracuse	244
<b>SEPTEMBER 1 TROPO</b>	
0012 WXXI 91.5 NY Rochester	261
<b>SEPTEMBER 10 TROPO</b>	
2345 WJNY 90.9 NY Watertown	160
2350 WCNY 91.3 NY Syracuse	160
<b>SEPTEMBER 11 TROPO</b>	
2315 WXTY 103.9 NY Ticonderoga	113
<b>SEPTEMBER 13 TROPO</b>	
2030 WXXI 91.5 NY Rochester	261
2045 WCMF 96.5 NY Rochester	261
<b>SEPTEMBER 22 TROPO</b>	
2005 WGBH 89.7 MA Boston, ad for "WGBH Program Guide, then ID, still in at 2300 250 Keep up the good work! (Thank you!-gc)	

<b>AUGUST 27 TROPO-SCATTER</b>	
0245 CBON18 88.1 ON Sault Ste Marie, c, FF	
<b>SEPTEMBER 4 TROPO-SCATTER</b>	
1448(WZIP)88.1 OH Akron, just got ID under CBEE, ex:WAUP	
<b>SEPTEMBER 9 TROPO-SCATTER</b>	
1500 WLTO 103.9 MI Harbor Springs, fair, with Hbr Sps Rams highschool football	
<b>SEPT. 10 TROPO-SCATTER</b>	
0133 WBVI 96.7 OH Fostoria, soft rock, 1-96.7. Happend to be listening to Blue Jays Postgame show on CKGL when they ann'cd they would be off air for maintenance.	
0136 WKTZ 96.7 PA Mercer, r, heavy metal on Midnight Metal program, fair until CKGL came back on at 0152.	
1421 WVAZ 102.7 IL Oak Park, very weak with weather forecast, cut up by WKSG.	
<b>SEPT. 11 TROPO-SCATTER</b>	
2157 (WCLR) 95.7 OH Piqua, b, Clear FM EX: WPTW	
<b>SEPT. 14 TROPO-SCATTER</b>	
2246 WMMQ 92.7 MI Charlotte, end of Tigers BB, into r with WDDZ and CJBX.	
<b>SEPT. 15 TROPO</b>	
1600 WYLL 106.7 IL Des Plains, ads	
1618 WLTO 97.3 WI Milwaukee, promo	
1620 WJKL 94.3 IL Elgin, bm, JKL Great Mx	
1622 WNIJ 96.9 IL Zion, c	
1624 WOJO 105.1 IL Evanston, SS music pgm	
1625(WYSY) 107.9 IL Aurora, Y-108 traffic report, ex WAUR	
1629 WXEZ 100.3 IL Chicago WLS-TV7 ad	
1643 WAZY 96.5 IN Lafayette, r, Z 96 1/2 (do they still use this?-gc)	
1843 WMYX 99.1 WI Milwaukee, old r, Mix	
1847 WNDU 92.9 IN South Bend, ads, U-93	
2114 WORB 91.9 MI Port Huron, p, rare	



Soixante-Treize and Good DX!!

**STATION NEWS:** KCPW 94.9 Kansas City has dropped CHR for KCMO-FM, and oldies. Top rated WBJW 105.1 Orlando (BJ-105) has switched to WOMX "Mix" and a more lite approach to top 40. Much to the dismay of Bill Nienajadly, WJKL and the Jersey Shore will go a/c, competing with "Sleep Thru 107". WXTG 92.3 Columbus, Ohio has adopted a more "heavy metal approach". WPHD 103.3 in Buffalo has switched calls to WUFX, "103.3 The Fox", but remains classic rock.

**DX From Bloomington:**  
**MAY 18 E-SKIP**  
 1820 unID 91.3 Spanish (No ID could be made by John Jefferson in California)

**JUNE 29 E-SKIP**  
 0928 WKKA? 92.1 no town aive. not in Atlas, Elving to listen to tape soon.

0930 WRVL 88.3 VA Lynchburg, g  
 0935 WFOG 92.9 VA Suffolk

**JUNE 30 E-SKIP**  
 0058 unID 97.9 CANADA (sattellite fed music: 1-800-263-5795 # no good in USA)

**JULY 18 TR AND ES**  
 1700 KXSS 103.7 MN Waite Park, KissFM, weak  
 2308 KOMP 92.3 NV Las Vegas  
 2327 KCEP 88.1 NV Las Vegas, "Rythum Radio", ads  
 2330 KNIS 94.7 NV Carson City, g

**JULY 23 TR and ES**  
 1012 KTDR 96.3 TX Del Rio  
 1015 KWMJ 103.3 TX Midland, SCA (mx) 67 khz  
 1025 KSMG 105.3 TX Seguin  
 1039 KZOR 94.1 NM Hobbs  
 1045 KBIM 94.9 NM Rosewell  
 1046 KLZK 98.3 TX Farwell  
 1100 KENW 89.5 NM Portales  
 1357 KBRE 94.9 UT Cedar City  
 1400 KRDI 100.9 IA Decorah

**JULY 24 E-SKIP**  
 2127 KSCS 96.3 TX Fort Worth  
 2134 KLUV 98.7 TX Dallas  
 2137 KGNZ 88.1 TX Abilene  
 2138 KTSU 90.9 TX Houston, choice FM  
 2150 KEAN 105.1 TX Abilene  
 2215 KAPT 94.7 TX Luling, easy  
 2224 KTSR 92.1 TX College Station  
 2232 KOYE 94.9 UT Laredo, pH# 787-1095

**AUGUST 1 TROPO**  
 2321 KUDL 98.1 KS Kansas City  
 2330 KKJO 105.1 MO St. Joseph  
 2335 KCFM 107.3 MO Lexington  
 2344 KESY 104.5 NE Omaha  
 2400 unID 103.9 KEEZ 99.1 Mankato XLTR no record of where as yet!!

**DX from cabin at ALBORN (PROSIT), MINN**  
**JULY 22 E-SKIP**  
 1150 KNFM 92.3 TX Midland  
 1155 KLLL 96.3 TX Lubbock  
 1200 KPDR 90.5 TX Wheeler  
 1221 KBUY 93.5 NM Rudioso



All times are Central Standard. After a poor June, Es bounced back in July and August. As I am running out of paper, I'll close for now.

**GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NY 14221**

Equipment: Pioneer TX9100 tuner, roof mounted 6-element Radio Shack FM antenna now 24' AGL, CAC11 coax, and Archerrotor used as well.

**JULY 7 E-SKIP**  
 1318 WBGW 98.9 FL Tallahassee, Lite Rock  
 1328 WKGC 90.7 FL Panama City, wx, legal ID  
 1400 WMBV 91.9 AL Dixons Mills, legal ID  
 1447 KTYL 93.1 TX Tyler, rm\$  
 1453 KMOQ 96.7 TX Mineola, "K-M-Double O Mineola; it's news time: Into a song!  
 1957 KLUV 98.7 TX Dallas  
 1508 KRUS 101.9 TX Paris

**JULY 31 E-SKIP**  
 0927 KZPS 92.5 TX Dallas  
 0928 KAZI 88.7 TX Austin  
 0930 KNCT 91.3 TX Killeen  
 0940 KDGE 94.5 TX Gainesville, The Edge  
 0945 KNTU 88.1 TX Denton  
 0950 KBAT 93.3 TX Midland  
 0957 KKMJ 95.5 TX Austin  
 1002 KAJA 97.3 TX San Antonio KJ-97

**JULY 31 TROPO**  
 1100 K211AS 90.1 MN Virginia (new xltr for KAXE 91.7)

**AUGUST 4 E-SKIP (VERY ERRATIC)**  
 1955 WHLZ 92.5 SC Manning (et al)  
 1956 WRJA 88.1 SC Sumter  
 1956 WSCI 89.3 SC Charleston  
 2010 WZBH 93.5 DE Georgetown  
 2021 WDLX 93.3 NC Washington  
 2024 WSTW 93.7 DE Wilmington  
 2153 WMMR 93.3 PA Philadelphia

**AUGUST 6 TR and ES**  
 0010 KSNR 100.3 NM Thief Rvr Fls. ex 99.3  
 0857 KTYL 93.1 TX Tyler  
 0858 KPVU 91.3 TX Prairie View  
 0900 KLDE 94.5 TX Houston  
 0900 KYKR 93.3 TX Pt.Arthur  
 1041 KRVS 88.7 LA Lafayette Eng. and French  
 1952 KLUVO 89.3 CO Denver  
 1955 KKAZ 100.7 WY Cheyenne XSCA 67 khz  
 1957 KQLT 103.7 WY Casper  
 1959 KSLT 104.5 WY Rock Spring  
 2000 KAZY 106.7 CO Denver  
 2002 KIMN 107.9 CO Fort Collins  
 2005 KQSK 97.5 NE Chadron  
 2012 KRAI 93.7 CO Craig  
 2015 KKCS 101.9 CO Colorado Springs  
 2017 KYGO 98.5 CO Denver  
 2021 KIQZ 92.7 CO Rawlins  
 2027 KKFM 96.5 CO Colorado Springs, r  
 2034 KRQU 102.9 WY Laramie  
 2038 WLTR 91.3 SC Columbia, pledge-called 800 # to verify; in center of Es opening  
 2045 KWLI 101.5 CO Eagle, KLite, X SCA  
 2052 KLZC 93.3 UT Salt Lake City  
 2059 KUER 90.1 UT Salt Lake City  
 2100 KCWC 88.1 WY Riverton, sign off  
 2101 KBYU 89.1 UT Provo

**AUGUST 9 WEAK E-Skip**  
 2315 WBBK 93.5 GA Blakely

**AUGUST 25 TROPO**  
 1200 KKWQ 92.5 MN Warroad, k, CNN News new station  
 1655 WMKQ 102.9 MI St.Ignace, k, KC-103

REGARDS and GOOD DX  
 John Ebeling

**JULY 7 E-SKIP cont.**  
 1518 KZBB 97.9 OK Poteau  
 1600 KCEV 88.3 KS Wichita, legal ID  
 1809 ZBM 89.1 BER Hamilton, o/WBSU  
 1903 CBAF19 92.3 NS Halifax, FrenchMONO  
 2036 WYKS 105.5 FL Gainesville, Kiss 105

**JULY 11 TROPO**  
 2200 WNCI 97.9 OH Columbus, CHR (\$) also in were WSNY, WXGT, and WHOK

**JULY 12 TROPO**  
 0214 WCBZ 107.9 MI Flint

**JULY 18 E-SKIP**  
 1710 KNOE 101.9 LA Monroe, FM 102

**JULY 19 TROPO-SCATTER**  
 WJYE 96.1, WYRK 106.5, WBLK 93.7 off  
 0842 WHLM 106.5 PA Bloomsburg, ads  
 0845 WHTX 96.1 PA Pittsburgh, calls  
 0848 WFRG 96.1 NY Rome, The Frog 96FRG

**JULY 20 TROPO-SCATTER**  
 CFNY 102.1 Toronto off the air  
 1330 WOWQ 102.1 PA DuBois, k tentative WIOQ Philly, WDOK Cleveland

**JULY 20 METEOR SCATTER**  
 1330 WLUM 102.1 WI Milwaukee, Hot 102 mentioned West Allis

**JULY 24 TROPO**  
 1003 WIRQ 93.5 NY Remsen, over mess  
 1230 WGLX 95.3 NY Gouverneur, 95X over CKDS  
 1315 WDSY 107.9 PA Pittsburgh, k  
 1805 WPHB 105.9 PA Phillipsburg, trad. k

**JULY 25 E-SKIP**  
 1050(WTGE)100.7 LA Baton Rouge, Tiger  
 1112 KNAS 105.5 AR Nashville, legal ID  
 1117 KISX 107.3 TX Whitehouse, Kiss 107  
 1132 KDEA 99.1 LA New Iberia  
 1138 KTUX 98.9 TX Carthage, Tux 99  
 1142(KMYQ) 100.1 LA Bastrop, My Q-100 ex: KJBS

**JULY 26 TROPO**  
 0700 102.1, 105.7 Cleveland over locals  
 0755 WMYJ 97.9 PA Edinboro, Y-98  
 1430 WGMM 97.7 NY Big Flats, Gem 97.7 (CHTZ 97.7 ON Saint Catherines off)

**JULY 31 E-SKIP**  
 1519 KQRS 92.5 MN Golden Valley, KQ92  
 1521 KPSD 91.7 SD Faith, S.D.P.R.  
 1526 KDSD 90.9 SD Pierpont, ditto  
 1539 KYYY 92.9 ND Bismarck, ads, o/WBUT

**AUGUST 1 TROPO**  
 1100 CITE 107.3 PQ Montreal

**AUGUST 3 TROPO (CHANTAL?)**  
 0112 WJPD 92.3 MI Ispemhing  
 0126 WIXX 101.1 WI Green Bay  
 0136(WGFM)105.1 MI Cheboygan, WG0d  
 0145 WMBit 90.1 IL Chicago  
 0200 WHAD 90.7 WI Delafield, Wis Pub Radio  
 0200 WHRM 90.9 WI Wausau, ditto 550  
 0258 WRVM 102.7 WI Suring, g,strong  
 0742 WNSN 101.5 IN S.Bend,Sunny 101.5  
 0759 WMLUK 102.1 MI Kalamazoo,o/CFNY  
 0804 WLKI 100.1 IN Angola, calls 354  
 0933 WAJJ 95.1 IN Ft.Wayne, Majic (Thanks Matt!)

1000 WBCH 100.1 MI Hastings

**TIME IS RUNNING OUT!  
 REPORT YOUR DX TO  
 YOUR NEAREST DX  
 COLUMN TODAY!!!**

There have been some fairly good tropo lately, especially the first week of September with my furthest catch ever (St.Louis, 680 miles). Thanks to Matt Sittel for helping me log some of the August 3rd stuff; he was at my house en route to Syracuse! It was great meeting all of you at Bill's House!...I hope you like the new style; let me know which typeface is your favorite. Any suggestions are welcome. The print for Frank Merrill's OCT VUD report will not be used again. I've heard some complaints as to how it looks. Thanks to Bill Nienajadly, Joe Fela, and Larry Fuss for logos! Keep the reports coming!..... 73, Greg

**AUGUST 3 E-SKIP**

1322 KPFT 90.1 TX Houston  
 1323 KPLV 93.3 TX Port Lavaca, V93  
 1336 KZFX 107.5 TX Lake Jackson, Z107  
 1338 KIOC 106.1 TX Orange, K106  
 1346 KFMC 97.9 TX Houston, calls, CHFI QRM  
 1348 KMQJ 102.1 TX Houston, Majic 102, way over local CFNY, crossover music  
 1349 KYKS 105.1 TX Lufkin, country  
 1352 KMJJ 100.1 LA Shreveport, urban Majic FM 100 slogan  
 1356 KTUX 98.9 TX Carthage, r\$, Tux 99  
 1359 KSAU 90.1 TX Nacogdoches, local ments  
 1407 KRMD 101.1 LA Shreveport, k\$,calls  
 1410 KKMJ 95.5 TX Austin, rm\$, Magic 95  
 1413 KAPT 94.7 TX Luling, easy, a change from the CHR I heard summer of 1988  
 1418 KUT 90.5 TX Austin  
 1423 KHYI 94.9 TX Arlington, r\$(CHR) Y-95  
 1426 KWHY 97.5 TX Waco, ads

**AUGUST 22 TROPO and M.S.**  
 0128 WILQ 105.1 PA Williamsport,k, finally heard!, WKSB 102.7 strong also  
 0133 WOVV 95.5 FL Ft.Pierce, calls after "Don't Wanna Lose You" by Gloria Estefan  
 WMMQ 102.5 Buffalo off the air  
 0141 CBOE 102.5 ON Ottawa, French tentatives on WUUU, WRFY, and WIOG. No WDVe cause WPHD had a 102.5 image to SW

**AUGUST 27 TROPO**  
 1130 WRED 95.7 OH Gibsonburg, gave calls then mentioned Oldies Channel and Toledo  
 1218 WWWM 105.5 OH Sylvania, oldies 3WM Toledo strong on 104.7, 92.5, and 101.5

**AUGUST 29 TROPO-SCATTER**  
 0730 WBJC 91.5 MD Baltimore,call,WXXI off WKSE 98.5 off the air  
 1113 WNYR 98.5 NY Waterloo, Winner 98.5  
 1115 CIEL 98.5 PQ Longueuil, French  
 1116 CBOE 98.7 ON Renfrew, French  
 1120 WJPS 98.5 MI Houghton Lake, r\$, just 98 1/2 except calls on half hour. 310  
 1122 WKRZ 98.5 PA Wilkes-Barre,98.5KRZ also relogs WNCX,WYCR,WBUS, and a country on 98.7, either Wheeling or Washington D.C.

**SEPTEMBER 4 TROPO**  
 1732 KWMU 90.7 MO St.Louis, news, calls heard many times; very weak. Only unusual station on band but TROPS RECORD AT ABOUT 680 MILES!  
 2300 WAUS 90.7 MI Berrien Springs, c  
**SEPTEMBER 7 TROPO (GABRIELLE?)**  
 0740 WQHQ 104.7 MD Ocean City Lite Rock Q-105, legal ID heard. around 370 miles  
 0750 WDSD 94.7 DE Dover  
 0800 WGTG 91.9 MD Takoma Park,prev: Au  
 1130 WFSI 107.9 MD Annapolis, over CING  
 1133 WNCE 101.3 PA Lancaster, wx,calls Nice and EZ 101 WNCE over WRMM/CKOT

**SEPTEMBER 18 AURORA**  
 1900 WVXU 91.7 OH Cincinnati, legal ID

**SEPTEMBER 20 TROPO**  
 2130 WIXX 101.1 WI Green Bay, strong! r\$

NOVEMBER 1989

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA, & WV. Also DC.

\*\*\* MEGA TROP DUCTS LINK UP HAWAII WITH SOUTHERN CALIFORNIA--DISTANCE UP TO 2500 MI.! \*\*\*

TROP LIKE THIS PROBABLY NEVER BEFORE REPORTED!



This special report from Sheldon Remington from Pahoa, HI, a former WTFDA member:

Greetings to my old friends in the WTFDA. I haven't been a club member for some years, but Pat Dyer suggested I write up the FM reception which took place in June and submit it to the VUD. The fabled VHF tropo duct has finally yielded some FM catches. On June 13, the local VHF ham ops were reporting the duct was open to southern CA. At 0955 I noticed some CCI bars on channel 11 and immediately checked FM with my hand held Sony ICF-7600D and built-in whip. For the next 2 1/2 hours I heard many southern CA FM's of which the following were positively IDed:

Grover City 107.3, Lompoc 104.1, Santa Barbara 93.7, Ventura 100.7, Los Angeles 92.3, 93.1, 95.5, 97.1, 101.1, 102.7, 103.5, 104.3, 105.1, 107.5, Glendale 101.9, Pasadena 106.7, and Santa Maria 102.5.

The next night from 1000 to 1300, the opening had moved south to the Tijuana/San Diego area, yielding Tijuana 91.1, 104.5 and San Diego 94.1, 101.5, 103.7, 105.3, 106.7. The duct dissipated the next day, but returned on June 20 to 23, bringing LA thru Tijuana again, of which San Clemente 107.9 was the only new logging. No openings have been noted since. Distances for these 25 catches range from about 2345 miles for Lompoc to about 2500 miles for Tijuana. Signal strengths were generally low but sometimes reached full quieting and full lit the Sony's LED. I have subsequently added an OM 4408 beam so should do better the next time. Of particular note is that these catches were heard at just 500 ft. above sea level. Conventional wisdom holds that the CA/HI duct is usable only from the 8000 foot level on Mauna Loa, and indeed there is undoubtedly more FM and TV DX up at that site, judging by reports of the hams who work 144 MHz and higher from there. Eventually, I will have to try driving up the volcano to try FM. The duct should yield DX for California listeners as well, except that QRM is much worse on that end. The KOAS translator K276DG 103.1 is the only FM transmitter at a high altitude on this island (the Big Island) situated at the Humuula Sheep Station at 6000' with stacked yagis beaming ESE (note that K276 DG is in the center of the island, nowhere near the location shown in the FM Atlas). It might also be possible to hear KRUA 90.7 on Maui as it's situated part way up Mt. Halekale. The hams conduct kuct liaison on 28.885 MHz, and I can usually be found there doing 6 meter liaison. Well, that's the report for now. If this kind of reception occurs a bit more often, I'll send another report and perhaps rejoin the club. If anyone can advise me on a good, sensitive and selective 12-volt FM rx, I'd appreciate it. The TX-9100 is gathering dust, since I'm almost a mile from the nearest AC power, and all I have is a solar photovoltaic 12-volt system. Aloha to all. (Sheldon Remington's address is: P. O. Box 2094, Pahoa, HI 96778) (Many thanks to Sheldon for such an unexpected and astounding report. It's wonderful to realize that trop on such a grand scale can happen. It's unfortunate we have few if any members living on the various islands across the Pacific who could give us a better idea how rare this ocean based trop is and just how far reaching it can get. So let's urge Sheldon to rejoin the club. DB)

Matt Sittel, P.O. Box 21441, Raleigh, NC 27607

Kingsport, TX DX:

8/18 Es (CONT. from last month)

1426 KTLT 106.3 TX Wichita Falls, calls 936

1430 KQV 103.3 TX Wichita Falls, "QV-103"

1445 KNIN 92.9 TX Wichita Falls, calls

8/18 Es

1457 KLLL 96.3 TX Lubbock, "h-Triple" 1116

1503 AKIK 93.7 TX Lubbock, "Kick"

1516 KTXT 88.1 TX Lubbock, lcl ment. "88.1"

There have been some good FM openings in the latter part of the season, so far. Again, as last year, FM E-skip was in on the day before I left for Raleigh! That opening was the best opening I've ever had so late in the year. It was great! The unID 89.9 was unusual. It was SS g\$ format, and had an address for Guatemala. There was also SS music and an SS announcer who didn't say anything in EE and didn't sound like he was from the US. It could have been KBNL, but I doubt it as the calls were not once mentioned as KBNL will say "Kah-Bay-ennay-ellay" some. Any help on this unID would be most appreciated. No great trop noted in Raleigh yet. 73.

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20785

Re: Greg Coniglio's vacation report from Annapolis, 2nd station on 106.9 probably 106.9 Suffolk, VA, not WCCC CT. Greg: If you think Annapolis is bad, try DC. At least Annapolis is 30 mi. from DC and its 20 FMs.

Apparently the fun is finally over for another year. Only the barest trace of es on ch 2 since 8/25 - that on 9/1. A really good season, in spite of that dead spell in early June. Hope the negative reviews from elsewhere have been amended by good July & August events!

As usual, all loggings were made with the newer MR80 & the S/Probe 9 at 30' unless noted with # for the Blaupunkt in San Ramon (commuting to a client site). Underlined means new to the Diablo Area log, @ new only to Antioch.

TIME CALLS	FREQ	ST	CITY	DIST	REMARKS
8/6/89	ES				
1059 KJTY	88.3	KS	Topeka	1390	ID
1120 KEZO	92.3	NE	Omaha	1390	Z-92. Omaha
1157 KMML	98.7	TX	Amarillo	1115	Calls
1200 KROA@	95.7	NE	Grand Island	1280	"
1204 KRGI@	96.5	"	"		Ctry 96. G.I.
1210 KOGA	99.7	"	Ogallala	1090	Ogallala ref
1219 KEKL@	106.7	"	Norfolk	1285	Calls
1229 KBRX	102.9	"	O'Neill	1230	Local refs
2101 KUSD	89.7	SD	Vermillion	1345	ID
8/7/89	SL				
2038 KSUR	99.5	CA	Greenfield	105	Calls: new
8/10/89	TR				
0200 K219AR	91.7	NV	Verdi	140	KUNR ID
0649 K212AJ	90.3	"	Incline Village	130	"
8/11/89	MS				
2347 CBU@	105.7	BC	Vancouver	805	Local ref; CBC
8/13/89	SL				
0901 K209AL	89.7	CA	Modesto	45	Family R.
8/14/89	TR				
0201 K219AR	91.7	NV	Verdi		KUNR ID
	ES				
1944 KBAT	93.3	TX	Midland	1175	Calls
1958 KIXY	94.7	"	San Angelo	1285	ID
2000 KPER@	95.7	NM	Hobbs	1100	"
8/18/89	ES				
2121 KMML	98.7	TX	Amarillo		Calls
2139 "	"	"	"		"
8/22/89	ES				
0753 K209AF	89.7	AZ	Tucson	735	AZ ref
0801 KXCI	91.7	"	"		Tucson: calls
0903 KUAT#	90.5	"	"		Ann & c
	K209AF	89.7	"		// 90.5
8/27/89	TR				
1026 KDNO	98.5	CA	Delano	210	ID @ KZAP

The KUAT/K209AF event was verified by phone. At 9:03, as I pulled away from a stop light in San Ramon, I heard the same announcer on 90.5 as I'd heard at 7:53 (& 8:00) on 89.7, & had a Tchaikovsky selection clearly for about a mile. At that point I went over the hill into Crow Canyon, & not much of anything gets in there. On arriving home, I had the start of the same selection on the last minute of a tape I'd left running on 89.7. Had to call the station about that one: aside from the DX interest, couldn't place that Tchaikovsky piece! Randy Miltier had Phoenix TV in very well that morning, by the way, with little besides AZ. Very small but persistent opening.

On the Labor Day weekend I drove as far as San Luis Obispo, road-logging KBOX 104.1 (at 140 miles) & KRQK 100.3 Lompoc. KOTR 94.9 Cambria, KXEM 102.9 McFarland, & some xiators in the area. KSUR is c, carrying the new KKGD Los Angeles programs via satellite. They have some work to do on the downlink - they have no separation & at times have a severe noise problem, but they give good coverage from Salinas to Paso Robles.

Doug Allen, w2crs, PO Box 5646 Woodland Park, CO 80866  
 Equip. Denon TU 800 & Stereo Probe 9 at 25'

		7/23 Es		7/25 Es					
7/22 tr & Es		0900	WUTC	88.1	TN	1021	WYKK	98.3	MS
0740 <u>K202AS</u>	88.3	WY	0900	WNIN	88.3	IN	1024	WGNET	98.1
0800 <u>KTRS</u>	95.5	WY	0905	WXBQ	96.9	TN	1030	WHJT	93.5
		has	0908	WFOX	97.1	GA	1040	WMTZ	94.3
0804 <u>KYCN</u>	101.7	WY	0911	WRSB-FM	95.9	KY	1042	WKSJ	94.9
1900 <u>KLON</u>	88.1	CA	0916	WFBC-FM	93.7	SC	1044	WLUN	95.3
1905 <u>KFSD</u>	94.1	CA	0920	WHAJ	104.5	WV	1048	WTVY	95.5
1917 <u>XHITZ</u>	90.3	BN	0928	WYNG	105.3	IN	1048	WTNT	94.9
1922 <u>KCQR</u>	94.5	CA	0930	WLVK	107.7	TN	1058	WQCK	92.7
1930 <u>????</u>	90.3	Mexico?					1059	WBSN	89.1
1940 <u>KXLU</u>	88.9	CA	0937	KLOU	103.3	MO	1101	WXLT	94.1
2000 <u>KZBQ</u>	93.7	ID	0941	WQUT	101.5	TN	1104	WLTS	105.3
			0944	WKBO	106.5	IL	1107	WKGC-FM	90.7
			0944-1050	two meters (144 Mhz)	open		1112	KLPL-FM	92.7
2019 <u>WSM-FM</u>	95.5	TN	1102	WKKW	106.5	WV	1113	WMEZ	94.1
2022 <u>KWOC-FM</u>	94.5	MO	1104	WRSW-FM	107.3	IN	1115	KBAU	94.3
2039 <u>WLOT</u>	97.7	TN	1111	WSTR-FM	99.3	MI	1128	WBOX	92.7
2050 <u>KKY</u>	94.9	CA	1115	WQZZ	99.7	WI			
2054 <u>KCBQ-FM</u>	105.3	CA	1120	WRLO	105.3	WI	7/28 Es		
2057 <u>WQLT</u>	107.3	AL	1124	WIFC	95.5	WI	2001	WNIN	88.3
2103 <u>WNGC</u>	95.5	GA	1125	KQCL	95.9	MN	2016	CJXB	92.7
2110 <u>WJSP-FM</u>	88.1	GA	1131	WGMQ	95.3	WI	2050	WTNT	94.9
2153 <u>WGGZ</u>	98.1	LA	1152	WKLR	93.1	IN	2052	WMQX	93.1
2153 <u>KUSP</u>	88.9	CA	1200	WEKU	88.9	KY	2100	WEKH	90.9
2223 <u>KWSS</u>	94.5	CA	1203	WEIU	88.9	IL	2101	WKWC	90.3
2230 <u>KABL-FM</u>	98.1	CA	1207	WKHY	93.5	IN			
2231 <u>KFEY</u>	93.7	CA	1210	WMLA	92.7	IL	2112	WWGL	94.1
2234 <u>KOTR</u>	94.9	CA	1215	WBZM	94.3	IL	2127	WDJK	95.3
2237 <u>KHOT</u>	97.7	CA	1257	WJFM	93.7	MI	2130	WHOK	95.5
2246 <u>KIOI</u>	101.3	CA	1301	WHLA	90.3	WI	2133	WOFX	94.9
2253 <u>KSAN</u>	94.9	CA					2135	WWNK	94.1
2255 <u>KALW</u>	91.7	CA	7/24 Es				2139	WXGT	92.3
2300 <u>KWIN</u>	97.7	CA	2115	WFMS	95.5	IN	7/31 Es		
2300 <u>KMG6</u>	97.7	CA	2117	WLRW	94.5	IL	0909	WQXI-FM	94.1
2313 <u>KABL</u>	98.1		2119	WOFX	94.9	OH	0915	WQEN	103.7
			2124	WKTN	95.3	OH	0918	WHMA-FM	100.5
7/23 Es			2126	WWNK	94.1	OH	0921	WFNN	107.7
0755 <u>WKQQ</u>	98.1	KY	2129	WDIF	94.3	OH	0923	WFYV-FM	104.5
0759 <u>WMKY</u>	90.3	KY	2141	WMYG	96.9	PA	0928	WWKL	100.5
0800 <u>WEKU</u>	88.9	KY	2159	WLWQ	96.3	OH	0930	WJNZ	94.3
0807 <u>WLAPt</u>	94.5	KY	2159	WGLE	90.7	OH	0936	WQLT	107.3
0809 <u>WAMZ</u>	97.5	KY	2210	WPIT-FM	101.5	PA	0938	WIMI	102.1
0817 <u>WVXU</u>	91.7	OH	2215	WYHT	105.3	OH	0940	WNCO-FM	101.3
0822 <u>WQXI</u>	94.1	GA	2215	WQKT	104.5	OH	0942	WASK	105.3
0841 <u>WWNK</u>	94.1	OH	2223	WKKW	106.5	WV	0947	WAPI-FM	94.5
0841 <u>WFCJ</u>	93.7	OH	2238	WYER-FM	94.9	IL	0953	WDOkt	102.1
0843 <u>WLRW</u>	94.5	IL	2246	KGGot	94.9	IA	1000	KUAR	89.1
0851 <u>WKLR</u>	93.1	IN					1010	WSKZ	106.5
0854 <u>WOSE</u>	94.5	OH	7/25 Es				1017	WZZK-FM	104.7
0857 <u>WNGC</u>	95.5	GA	1005	WNAZ	89.1	TN	1026	WTNV	104.1
			1006	WJSP	88.1	GA	1030	KLOW	103.1
			1010	WMFC-FM	99.3	AL	1100	WPAR	88.1
			1011	WOKK	97.1	MS			

comments  
 next  
 48 month....

# ANARC UPDATE

## WHERE HAS THE ANARC UPDATE BEEN?

After a lapse of a few months, the ANARC Update is back. I was given a promotion at work which has allowed me, or rather caused me to work six days a week, two extra hours a day. All this work has made me a very tired person!

## ANARCON '89 IS A SUCCESS!

From all the reports I've seen on ANARCON '89, this year's convention has been a success. Over 200 DX'ers from around the country, and a few from around the world attended the convention. They were treated to a great array of speeches, seminars, slide shows, equipment displays and award presentations. Many international broadcasters sent representatives.

This year's convention had a Latin American theme. Our own Glenn Hauser presented a slide show on Central America. Glenn celebrated his birthday and was presented with a cake! The annual WRTM Quiz concentrated on stations south of the border. And the keynote speaker at the annual ANARC banquet was Ernesto Betancourt, the director of Radio Marti.

Congratulations go out to two WFDQ members on receiving ANARC Awards. Greg Monti was given the Specialty Band DX'er of the year award. The Broadcaster of the year award went to Glenn Hauser, Radio Netherland's Jonathan Marks, and Fred Vobbe of the National Radio Club's DX Audio Service. The other awards were:

North American Short Wave DX'er- Mitch Sams  
 International Short Wave DX'er- Arther Ward, publisher of Contact, the bulletin of the World DX Club.

Article of the Year (a new award)-Ray Cole, for an article on earthquake prediction and MW carrier frequency deviation. (The article was originally published in the April 11, 1988 issue of the DX News of the National Radio Club. It was reprinted in the August/September edition of the ANARC Newsletter.)

For a better description of the Convention, please refer to the Aug/Sept '89 ANARC Newsletter and the August NASWA FRENEX.

Finally, congratulation to Jeff White for a job well done!!

Where will ANARCON '90 be? This has not been decided. Bids are now being taken for hosting the convention. Also, a great debate is taking place on the future of the convention. Various ideas have been proposed. The convention may take place every two years. It may be held as part of another radio related activity (ie. Hamfest, Club convention, Radio Industry convention.). The convention may be regionalized, held in several different places around the country each year. The convention may be held at times other than July. The convention could be co-sponsored with a broadcaster, or equipment manufacturers. Anyone have any thoughts on improving the ANARC Convention?

An audio version of the ANARC Newsletter is being prepared for Handicapped DX'ers. For more information, contact the ANARC Newsletter, PO Box 24, Cambridge WI 53523-0024 USA.

## SPRACHMAN'S CORNER

### New York Media Briefs

The BIG STORY is WMCA 570. The station was recently sold to a religious broadcaster. A few weeks before the sale was finalized, the station started a business information format. There was speculation that the new owners would keep this format. Then two weeks before the change, the whole staff of the station was given notice. WMCA was to become a religious radio station. The last day of the talk format was a sad one. Many famous voices were heard on WMCA. Once it was New York City's top pop music station. When the audience went to WINS, then WABC and finally to FM, the station adopted a talk format. This format was copied by other stations and WMCA fell on "hard times". On the weekend of the changeover, the station was off the air, except for two college football games.

More new FM stations have been proposed for Long Island. 94.9 has been allocated to Montauk. Montauk's first station, WMNK 104.7 has not come on the air yet. Another frequency, long open, may soon be occupied. 103.1, allocated to Bay Shore, has been applied for by the owners of WLIM 1580 Patchogue. They are proposing that the location of the transmitter be on top of the Fire Island Light House.



Then there are those stations on Long Island that are not licensed, the pirates. The most active station is WFLR Floral Park on 91.9. They now claim to have an AM transmitter on 1150. The broadcasts, which were regular last year, are sporadic this year. No new stations have been heard, and several have not been heard. One, WMGR 91.7 Massapequa, may have been permanently silenced. Two people in Massapequa were busted by the FCC for illegal broadcasting. The article in NEWSDAY claimed they were broadcasting in the Aeronautical Band. No mention was made of "WMGR", but the station has not been heard since.

Connecticut Happenings- WADS 690 Ansonia broadcasts in Portugese for most of its broadcast day. WNBX 1450 Bridgeport broadcasts in Spanish. WQXR-FM New York has a translator on 103.1 in the Norwalk area. Not on the air, as of Labor Day weekend, WKZE 98.1 Salisbury and WUPR 103.3 Sharon.

WMAI Channel 43 Bridgeport has a very strange schedule. It is only on during the day. The home shopping is gone and has been replaced with half hour commercials. I read a strange story about Channel 43 when it was on the air as WICC. The owner of the station wanted to take the station off the air. The FCC refused. So the owner went and proved that no one was watching by offering money to the first person who called. No one did and WICC-TV became history.

Update on W53AA New York City. It tests sporatically. The station has yet to provide any programming. W44AI Hicksville has the pay for the request videos during the day. W60AI New York has the Home Shopping Spree 24 hours a day. This is the same program thats on many local stations during the middle of the night. My mysterious channel 64, turned out to be a translator for WNYW-5.

Well, that's it for another month. 73's and good DX,

*Steven P. Sprachman.*



# STATION BREAK

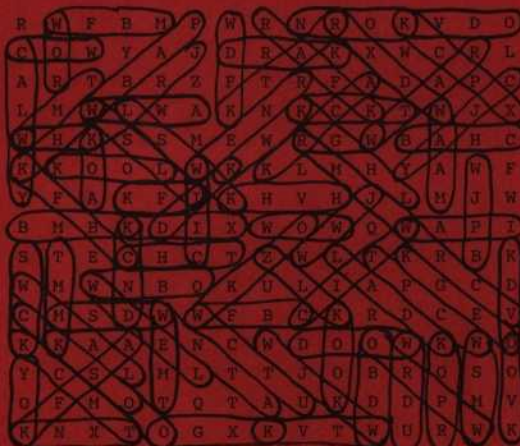
WTFDA  
P.O. Box 514  
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Television and Cable Factbook, Stations Volume, 1987 edition No. 55. Gives stations addresses, etc. Huge volume, mint condition, buy it for \$4, including 48-states' shipping. Bruce Elving - FM Atlas Publishing - Box 24 - Adolph MN 55701-0024

FOR SALE - Normende Masterwork early FM-AM transistor radio, modified with AC adapter jack and FM-SCA conversion (67 kHz) \$75 plus \$4 shipping. U.S. - Bruce Elving - FM Atlas Publishing - Box 24 - Adolph MN 55701-0024

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.



I. STATION LICENSE: Solve the 18 squares. You are to fill each one up with a different letter so that each combination of 3 consecutive letters forms the last 3 letters of a station's call letters that begin with W. For example ANCB would make WABC, WBCD, and WCDN. The network affiliation and channel number are given, and the first one is already done for you.



Remember, the letter preceding each set of three letters is W!

II. ADJACENT CHANNEL INTERFERENCE: Each number sign below is actually 4 different sets of station call letters and channel numbers. Can you fill in the missing letters in each below so as to make each 4-letter call and channel number be an existing station?



on example: A 6-station grid

III. WHO'S AN IT? You're lost and all you have is your TV. By determining the 3 stations with network programming with you are, can you figure out what city you are in? All 3 stations are licensed in the same city.

- A. 06-ABC, 13-ABC, 42-CBS Birmingham, AL
- B. 17-ABC, 23-CBS, 29-ABC Savannah, GA
- C. 04-CBS, 11-ABC, 17-ABC Jacksonville, FL
- D. 19-ABC, 25-ABC, 31-CBS Tampa, FL
- E. 10-ABC, 27-CBS, 30-ABC Lexington, KY
- F. 03-ABC, 12-CBS, 16-ABC Jackson, MS
- G. 03-CBS, 10-CBS, 17-ABC Springfield, MO
- H. 03-CBS, 09-ABC, 16-ABC Charlotte, NC
- I. 12-ABC, 14-ABC, 15-CBS Jacksonville, NC
- J. 10-ABC, 19-CBS, 25-ABC Columbia, SC
- K. 03-CBS, 09-ABC, 06-ABC Raleigh, NC
- L. 06-ABC, 12-CBS, 16-ABC Augusta, GA

IV. ONE OF A KIND: There are 15 channel numbers listed below that have only one station in the US of the network listed by it in the U.S. Can you name the stations?

- ABC: 15 WFTL-FL 29 WFTL-FL 31 WFTL-FL 38 WFTL-FL 48 WFTL-FL
- CBS: 40 WFTL-FL 44 WFTL-FL 47 WFTL-FL 51 WFTL-FL 57 WFTL-FL
- ABC: 23 WFTL-FL 30 WFTL-FL 34 WFTL-FL 41 WFTL-FL 44 WFTL-FL

V. SHIBBLES AND BITE: Can you match the sets of numbers with the sets of numbers in the states that contain them?

- 1. 01, 12, 14, 17, 18, 19, 23, 29
- 2. 01, 08, 09, 09, 10, 11, 13, 16
- 3. 08, 08, 09, 14, 15, 18, 20, 25, 28
- 4. 01, 11, 12, 13
- 5. 07, 14, 18, 23, 27, 29, 33, 35, 38, 42
- 6. 07, 14, 18, 23, 27, 29, 33, 35, 38, 42
- 7. 01, 12, 14, 17, 19, 23, 26, 33, 36, 39, 78
- 8. 01, 12, 21, 24, 27, 30, 32, 36
- 9. 02, 03, 10, 27, 28, 36, 41, 43, 43
- 10. 02, 03, 04, 08, 09, 13
- 11. 23, 28, 31, 38, 43, 47

VI. WORD-FIND: Looking for 8-ship? Well, it's in 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100.

VII. PAIR UP: There are three columns of letters below. Pick one pair from each column to make 10 sets of call letters and their corresponding channels.

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

- WABC
- WBCD
- WCDN
- WDEF
- WGHI
- WJKL
- WMNO
- WPQR
- WSTU
- WVWX
- WYZA
- WABC
- WBCD
- WCDN
- WDEF
- WGHI
- WJKL
- WMNO
- WPQR
- WSTU
- WVWX
- WYZA

Look vertically, horizontally, or diagonally! 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.