

From The STAFF

REGISTER FOR CONVENTION '89...If you're planning to attend the 1989 WFDFA Convention in the Syracuse NY area, the time to register is now! Deadline for registration is June 1st--so it is important to act soon. Attendees will be responsible for making their own motel reservations, and the fee of \$35 must be paid in advance to host Bill Kretschmer. More details appear in the center of this issue, starting on page 22, and include a registration form insert. Bill is planning a very interesting schedule of events for attendees, and he emphasizes that he needs to hear from you early. Don't delay!

F2 SKIP PRODUCES TRANSPACIFIC TV DX!...Here's a late news flash, received just as this issue prepares to go to press. We've just been informed that New Zealand TV signals have been identified in New Mexico by DXer Gordon Simkin, who many longtime TV DXers will remember as the editor of the "International DX" column for the old AIPA DX club bulletin. Gordon states that upon checking 45.250 MHz at 1945Z on April 16 (that's 1345 local, 1:45 p.m. MDT in New Mexico), he found strong audible video "sync buzz," so he connected his antenna directly into the 45 MHz input of his TV tuner (a trick many TV DXers in North America used during the previous sunspot peak to view BBC TV 45 MHz signals across the Atlantic). Gordon says that the vertical sync control had to be readjusted to make it lock, but the horizontal sync locked well. He noted a test pattern for 5 to 10 minutes, with some sync visible much of the afternoon. He has noted the audio presence of at least nine different New Zealand video signals: 3 on 45.240 MHz, 2 on 45.250, and about 4 around 45.260. Weak NZ video buzz had been audible at his New Mexico location almost daily since March 23rd!

AND--IT'S TIME FOR E-SKIP...With all the excitement over F2 DX, let's not forget about that "other" kind of skip--the kind that makes summer even more enjoyable for TV and FM DXers--E-skip. It's May! Start checking TV channels 2 - 6, and be prepared for FM DX. The Es "season" (openings almost daily) often starts quite abruptly after mid-month!

COLUMN NEWS...There are two EASTERN TV DX columns this month. It turns out that last month's installment was returned to John by the USPS--despite having the correct address; go figure...TV TIME TUNNEL is a fascinating new feature column appearing for the first time in this issue--if you'd like to see more of it, drop a line to Tom Bryant and/or your Editor-in-Chief...

TABLE OF CONTENTS

TELEVISION NEWS: Boise gets CTV net by mistake; Detroit 38 testing...3
FCC FM NEWS: Little 10-watt K202AP in CA is really getting out.....10
QSL CORNER/LOGO'S RUN: Ohio station "mugs" Ontario DXer.....16
PHOTO NEWS: More great southern tropo photos from Bill Eckberg.....18
TV TIME TUNNEL: Journey back to the early days of TV DXing.....19
A BETTER UHF DISH FEED?: Blonder-Tongue's 75-ohm log periodic.....20
WTFDA CONVENTION 1989: Register NOW for WTFDA Convention '89.....22
NORTHERN FM DX: Many catch the March auroral events and E-skip.....24
SOUTHERN FM DX: Super March aurora was noted deep into the South.....30
WESTERN TV DX: Wisconsin DXer catches New Orleans UHF on tropo.....32
EASTERN TV DX: Gulf tropo brings Mexican U's and TX xlters into FL.....38
NWS NEWS: Spring has sprung, with great weatherband DX in Carolina.....42
ANARC '89: Details on North American DXing's big event in Florida...43

Thanks once again to Bill Kretschmer for another VUD cover.

Television news

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ABBREVIATIONS USED IN THIS COLUMN:

AATF	Height (feet) above average terrain
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
ELL	Elliptical polarization
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

Starting this month, antenna heights will be given in meters instead of feet. The FCC has been requiring application data to be in meters for some time now, which is the only reason I decided to change. I have my own personal objections about converting to the metric system, but this is the way the FCC is doing things. As you can see by the abbreviations above, I'm using AATm and AATF instead of HAAT so that there will be no confusion between the two. 1'=0.3048m; or 1m=3.281'.

Progress on updating the next edition of the WTFDA NATVDB has been slow, and won't be out this year. I had a rough time with college classes this past year, and I had to retype the entire USA list by channels. The first list was done on a data base, and takes forever for Multiplan to edit or save files on a Commodore 1541 disk drive. Despite the extra time typing it over in Fontmaster 128, it will save a tremendous amount of time updating in the future. I hope to have the second edition out next year.

Also, college was the reason there was no column last month. Final exams fell on the same time I would be doing the column, and they had to come first.

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
CA	11	166	896	Los Angeles; Citylight Communications Inc.
CA	11	166	896	Los Angeles; Rainbow Broadcasting Inc.
IA	36	5.5	113	Davenport; Black Hawk College
NM	50	1380	1293	Albuquerque; Loretta Salazar

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
IN	58	5000	398	Salem; Greater Louisville Television Inc.
KS	5	100	307	Liberal; Kansas Broadcasting Systems Inc.
MI	19	1000	160	Marquette; Upper Peninsula Telecasting (initial decision)
NM	25	1400	56	Carlsbad; Dennis C. Engstrom
NC	4	100	142	Manteo; Manteo TV Associates
NC	50	5000	398	Raleigh; The L Broadcasting Corp.
PR	34	50	877	Fajardo; Danarys DeJesus
PR	46	1000	419	Guayama; Ebenezer Broadcasting Group Inc.
TX	28	5000	522	Bryan; Silent Minority Group
TX	62	5000	554	Killeen; 62 Broadcasting Inc. (Review Board)

APPLICATIONS DISMISSED

AL	Tuskegee; ch. 22; Hefty Communications Ltd.
IN	Salem; ch. 58; James T. Ledford; J.R. Broadcasting.
MI	Marquette; ch. 19; Marquette Television Associates.
NC	Manteo; ch. 4; Airwave Media Ltd.; Carl M. Fisher; Sherricom Four Inc.
NC	Raleigh; ch. 50; Grant Cotton.
PR	Fajardo; ch. 34; East Coast Telecasters Co.
PR	Guayama; ch. 34; Ministerio Radial Cristo Viene Pronto Inc.
TN	Memphis; ch. 50; Burwood Broadcasting of Memphis Ltd.; EAM Broadcasting Co. of Memphis.
TX	Bryan; ch. 28; Clear Channel Communications.
TX	Conroe; ch. 55; Conroe Broadcasting Ltd. Partnership; DLBS Inc.
TX	Killeen; ch. 62; Aida Barrera.
WA	Morton; ch. 39; Morton Broadcasting.

CONSTRUCTION PERMITS CANCELLED

ST	CH	CALLS	CITY
VI	15	WHEG	Christiansted

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
FL	13	316	142	WETV	Key West
MI	5	55	365	WHTA	Calumet
NV	33	1349	581	KFBT	Las Vegas
NC	35	1865	250	WJAE	Jacksonville
PA	53	6.4	338	WILF?	Williamsport; Williamsport Television Associates
Ri	69	17.7	38	WOST-TV	Block Island

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
AZ	13	290	474	KKTM	Flagstaff
CA	46	2520	439	KBCP	Paradise
CO	53	5000	191	KWHD	Castle Rock
FL	21	3097	147	WFET	Fort Pierce
GA	19	5000	184	WTAU	Albany
IL	46	5000	345	WVCL	East St. Louis
IA	23	2650	126	KMES	Ames
NV	39	1330	367	KBLR	Paradise
WA	33	14.8	286	KBGE	Bellevue

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AAT	CALLS	CITY
CT	24	2533	315	WEDH	Hartford (cp)
GA	14	5000	601	WAWA-TV	Rome (cp)
ID	3	56.2	384	KLEW-TV	Lewiston (cp)
ME	13	100	135	WMED-TV	Calais (cp)
MO	62	2475	153	WFPT	Frederick (cp)
OR	3	58.5	227	KOAB-TV	Bend (cp)
TN	45	1480	276	WTCI	Chattanooga (cp)
TX	4	100	511	KDFW-TV	Dallas (cp)
TX	5	100	512	KXAS-TV	Fort Worth (cp)
VA	15	3112	628	WBRA-TV	Roanoke (cp)

CHANGES GRANTED STATIONS ON THE AIR

AK	Fairbanks; KTVF, ch.11; granted license to cover CP for changes; ERP increased from 27.5 kw to 50 kw max; antenna height reduced 5 meters to -15m AAT (below)/46m AG/179m ASL; same TL.
AZ	Phoenix; KTSP-TV, ch.10; granted CP to reduce antenna height about 50 meters to 521m AAT/64m AG/87m ASL.
FL	Jacksonville; WJXT, ch.4; granted CP to reduce antenna height 163 meters ASL to 133m AAT/138m AG/139m ASL; TL 1951 Southampton Road, Jacksonville; coordinates 30°18'47" 81°38'59" (6.4 miles WNW from present TL).
FL	Jacksonville; WNFT, ch. 47; granted license to cover CP for changes; ERP raised from 2286 kw max to 5000 Kw max; 299m AAT/297m AG/305m ASL (missing data for existing height); same TL; change took place 10/26/88, according to John Combs.
FL	Tampa; WEDU, ch.3; granted CP to raise antenna 157 meters ASL to 473m AAT/468m AG/491m ASL; TL 4 miles southeast of Riverview; coordinates 27°49'48"/82°15'59" (Az. 196°, 0.76 mile from present TL).
IA	Cedar Rapids; KOCR, ch.28; granted CP to reduce ERP from 4328 kw max to 1461 kw max; 205m AAT/204m AG/457m ASL; TL 605 Boyson Road NE, Cedar Rapids; coordinates 42°02'46"/91°38'42", which is Az. 99° (slightly south of due east) 25.54 miles from its present TL, scaling about 4 miles north of Cedar Rapids. Evidently management decided to become a small television by moving their transmitter closer to the city and reducing power.
ME	Calais; WMED-TV, ch.13; granted license to cover CP for changes; ERP raised from 31.6 kw to 211.24 kw max; 131m AAT/51m AG/198m ASL (reduction of about 7 meters); same TL. Change probably took place last December; should be improvement in coverage and DX.
ME	Orono; WMEB-TV, ch.12; granted license to cover CP for changes; ERP reduced from 299 kw to 205.24 kw max; 302m AAT/97m AG/395m ASL (reduced about 15 meters); same TL. Change probably took place last December; reception should be a little weaker.
ME	Presque Isle; WMEM-TV, ch.10; granted license for changes; ERP reduced from 299 kw to 193.26 kw max; 332m AAT/31m AG/521m ASL (reduced 16 meters); same TL. Change prob-

NY	ably took place last December; should be substantial reduction in coverage area and signal strength. Will be harder to DX now. Jamestown; WTJA, ch.26; granted MP to change ERP to 859 kw max; probably just an as-built change.
ND	Jamestown; KJRR, ch.7; granted MP to change antenna height to 135m AAT/137m AG/590m ASL; probably as-built change, since MP was granted the same day that license was granted.
OR	Bend; KOAB-TV, ch.3; granted CP to increase ERP from 19.55 kw max to 58.5 kw max; antenna height reduced 11 meters to 227m AAT/80m AG/1366m ASL; same TL. This should be a better catch during skip season.
PR	San Juan; WKAQ-TV, ch.2; granted CP to change ERP from 53.7 kw to 55 kw max; reduce antenna height 18 meters to 861m AAT/319m AG/1219m ASL; same TL.
TN	Chattanooga; WTCI, ch.45; granted CP to increase ERP from 741 kw max/617 kw hor to 1480 kw max; antenna height reduced 8 meters to 276m AAT/83m AG/696m ASL; same TL. Increased ERP should improve DX chances.
TX	Dallas; KDFW-TV, ch.4; granted CP to reduce antenna height 13 meters ASL to 511m AAT/456m AG/703m ASL; TL intersection of Belt Line Road and Mansfield Road, Cedar Hill; coordinates 32°35'06"/96°58'41" (Az. 208°, or SSW, 0.23 mile from present TL). Note the same change in WFAA-TV below.
TX	Dallas; WFAA-TV, ch.8; granted CP to reduce antenna height 12 meters ASL to 512m AAT/457m AG/704m ASL; TL 1969' south of Belt Line Road, 0.5 mile west of Cedar Hill; coordinates 32°35'06"/96°58'41" (Az. 208°, or SSW, 0.23 mile from present TL). Note same change in KDFW-TV above.
WI	Wausau; WHRM-TV, ch.20; granted CP to increase ERP from 724 kw to 1437.3 kw max; antenna height reduced 87 meters to 300m AAT/110m AG/ 690m ASL; same TL. I'd be curious to see how this change affects DX.

CALL LETTER APPLICATIONS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
OR	31	KDKF	Klamath Falls; Sunshine Television Inc.
PA	53	WILF	Williamsport; Williamsport TV Associates

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
NV	39	KBLR	Paradise; Rose Communications
NM	25	KDIR-TV	Carlsbad; Dean C. Engstrom
WA	64	KBCB	Bellingham; Prism Broadcasting Corp.

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
OR	10	KOPB-TV	Portland; KOAP-TV

NEW STATIONS ON THE AIR

CA	Riverside; KSLD, ch. 62z, went on the air on
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FL	Tequesta; WPBF, ch.25z, went on the air 1/1/1989; 5000 kw max ERP; 453m AAT/453m AG/452m ASL; TL 7.3 miles SW of Palm City, Martin County; coordinates 27°07'17" 80°23'41"; ABC affiliate; address: Tequesta Television Inc., 3970 RCA Blvd., Suite 7007, Palm Beach Gardens FL 33410.
GA	Athens; WNGM-TV, ch.34z, an independent station, was scheduled to sign on the air in late February, according to an article sent in by Nick Lombardi, Kermit Reid and Larry Fuss, but as of early April, there has been no confirmation. See U.S.A. FORUM.
ID	Twin Falls; KKVJ, ch.35z, was reported on the air by Frank Aden Jr.
IN	Bloomington; W11B, ch.63z, went on the air 12/17/1988; 1838 kw max ERP; 328m AAT/297m AG/568m ASL; TL 0.4 mile southwest of the intersection of Route 252 and West Avenue, Trafalgar; coordinates 39°24'16"/86°08'37"; HSN affiliate; address: Channel 63 Inc., Route 1, Box 516A, Trafalgar IN 46181.
MI	Mount Clemens; WADL, ch.38z, was seen testing by Robert Grant and Paul Gaines on 3/21/1989; independent station.
TN	Knoxville; WKXT-TV, ch.8z, went on the air 12/6/1988; 316 kw max ERP; 382m AAT/310m AG/693m ASL; TL 0.18 mile northeast of Sharp's Ridge Memorial Park, Knox County; coordinates 36°00'35.9"/83°55'56.5"; CBS affiliate; address: Knoxville Channel 8 Ltd. Partnership, Sharp's Ridge Road, Knoxville TN 37901.

FORUM CANADA

This month's contributors spread from Quebec to the Pacific. Let's begin with a new contributor, **CHARLES GAUTHIER** (Brossard, PQ), who reports two new TVO repeaters on the air as of March 7 in Hawkesbury Ontario: channel 39 (FF) and channel 48 (EE), which I assume mean French and English. They began regular programming on March 10. "They have a pretty good signal (snowy but steady) taking in consideration their 6.65 kw and that they are 60 miles away!"

Charles also sent an article from the 3/89 *Broadcast Technology* magazine about the Radio-Quebec Television Network, which now consists of 17 transmitters:

CITY	CALLSIGN	CH	S/O/N	KW/ERP
Montreal	C1VM-TV	17z	1975	851.9
Quebec	C1VQ-TV	15z	1975	1298
Hull	C1VO-TV	30+	1977	1327
Rouyn	C1VA-TV-1	8-	1979	299
Val d'Or	C1VA-TV	12+	1979	246
Chapeau	C1VP-TV	23+	1979	8.65
Sherbrooke	C1VS-TV	24+	1982	549
Trois Rivieres	C1VC-TV	45z	1981	1188
Rimouski	C1VB-TV	22	1981	716
Chicoutimi	C1VU-TV	8+	1982	278
Basie Trinite	C1VF-TV	12-	1982	155
Sept-Isles	C1VG-TV	9-	1982	246
Carleton	C1VK-TV	15+	1984	1061
Gascon	C1VK-TV-1	32-	1984	1202
Perce	C1KV-TV-2	40-	1984	8.55
Gaspe	C1VK-TV-3	35+	1984	8.43
Riviere-du-Loup	C1VB-TV-1	31z	1985	716

The articles reports that in 1983 the network stations (except Montreal) switched from microwave links to the Anik C3 satellite. In 1981 a remote control and monitoring system was designed and installed at the various transmitter sites. This system, based on a HP-85 mini computer and Fluke 2400 acquisition system, provides distributed intelligence to each transmitter site. If a problem occurs at the site, this system, which monitors 40 analog ports and 32 data points, dials up the Control Centre in Montreal and informs the operator of the conditions. In 1988 a HP-1000 mini computer was installed in the Control Centre to assist a technician in controlling the network and to analyze the different parameters acquired from each site. "This system is not intended to automatically take action when a failure occurs, but it is an aid to the technician at the Control Centre (17 sites x 72 channels of information). Automatic operation is assured at each of the sites to turn on an emergency transmitter if choose a multiplex operation or start an electrical generator." "In September of 1989 all of the transmitters will broadcast in stereo (BTSC). The monophonic sound will continue to be transmitted on the satellite as a backup for the terrestrial transmitters and also as a backup service to cable operators and to TVRO owners."

Next, we hear from **SAUL CHERNOS** (Orillia, Ontario), who sent in a clipping from the *Orillia Packet and Times*. "Ex-Orillia entrepreneur David Brough told the Packet and Times in September he wanted to establish a television station here.... It was, he insisted, part of a plan to set up a national network of community television stations. The Orillia proposal, through his Community Access Network, would be supplied by satellite and be overwhelmingly Canadian content, said Brough, adding he would seek local investment for the project here."

"The [CRTC], however, has never heard from Brough. 'We have no application for a new station in Orillia,' CRTC spokesman Beatrice Balth said this morning. 'He never got to the application stage.' Brough ... is perhaps best known as the 'Pirate of Pickle Lake.' He was named when he made national headlines in the 1970s for defying the CRIC by establishing pirate television stations in remote parts of northern Canada. He attempted to establish stations in several communities from Goose Bay to Inuvik. 'When the CRIC refused to give a permit, I went ahead and did it anyway,' Brough said in September."

A few articles from **DAVE SINCLAIR** (Vancouver, British Columbia). The 3/12 *Maple Ridge* reports on a planned microwave service, something like MMDS in the United States. "Dawdney-Alouette Regional District [DARD] is supporting a bid by a new company, Valley TV Systems Ltd., to offer 'cable equivalent' service to more than 7,000 Fraser Valley homes that cannot be economically linked to standard cablevision service." "DARD administrator John Gains said much of the area is thinly populated so as to make cable television systems relatively uneconomic for the foreseeable future." "The company is planning to put out a low-power omnidirectional microwave system capable of carrying

24 television channels, using a transmitter on McKee Peak."

The 3/1 Vancouver Sun comments on the Cancom carriage of Detroit television stations: "It is 3:10 p.m. on a sunny Saturday in the Yukon capital and the television is tuned to Channel 2 Eyewitness News from Detroit. Thousands of kilometres southeast and five time zones away, it is 7:40 p.m. in St. John's, Nfld. Some viewers are watching the same thing, the Eyewitness News wrap of weekend murders from Detroit." "It is a curious and little-known fact of Canadian life that four powerful Detroit television stations are among the ties that bind this country together." "But the fact that millions are now watching Detroit is due to a remarkable Canadian success story: The Growth of the Canadian Satellite Communications Inc., or Cancom. The Cancom satellite company - formed in 1981 to extend cable service to remote and underserved regions of Canada - now delivers a package of Canadian and Detroit stations to 2,010,000 households. "The idea of the Cancom service is to provide television to remote communities that would have little or no TV without it," said Jeff Atkins, an information officer with the [CRTC] in Ottawa."

Dave comments on a strike by CBC workers, which disrupted some of the network's schedule: "A local radio station advised that last Friday in Ottawa, Ontario, instead of local news at 6 pm the CBC station aired a documentary about apes and gorillas instead!" If that's the case, my local Philadelphia stations must have been on strike for several years now.

"Recently while driving in the Vancouver area I noticed an array of stacked antennas which were not there several weeks before. I contacted the owner who installed these to test reception; he advised me that he installs master antenna systems for motels and apartment/condominium buildings for his living. It seems that quite a few places here are changing to this and satellite TV to avoid the high cost of cable."

More from Dave in U.S.A. Forum, on a Portland OR station.

Now an update from research by **WALTER PATTON** (Willowdale, Ontario), who sighs, "Slowly, ever so slowly." Face it, there just is no longer the flurry of activity that there was a few years ago in Canadian television. I wonder if it has anything to do with the increased restriction the CRTC is placing on broadcasters.

DECISIONS; NEW TRANSMITTERS:

NS Bridgewater; ch.9; 6.67 kw; to repeat CIHF, ch. 8, Halifax; Maritime Independent TV (MITV).
NS Truro; ch.18; 6 kw; also to repeat CIHF, ch.8.
NS Wolfville; ch.20; 134 kw; also to repeat CIHF.
SK Golden Prairie; ch.10; 106 kw; to repeat CKCK, ch.2, Regina SK; CTV affiliate.

DELETIONS

NW Pine Point; CBEBT, ch.4 (0.262 kw 516'); Town deleted too.

DECISIONS; CHANGES

AB Calgary; new ch.13; 1.6 to 2.4 kw.
AB Rocky Mountain House; CFRN-TV-11; ch.12; 0.005 kw to 0.42 kw.
BC McBride; CBUHT-3; ch.2 to ch.6; 0.0084 kw to 0.75 kw.
BC Valemont; CBUHT-5; ch.13 to ch.12; 0.112 kw to 0.28 kw.

ON Warton; CBLN-TV-5; ch. 20; 125 kw to 240 kw.
SK Fort Qu'Appelle; CKQV-TV-1; ch. 11 to ch.7; 0.005 kw to 0.241 kw.

CALLS

PQ Riviere du Loup; ch.29; CFTF-TV (18.1 kw)

APPLICATIONS; NEW STATIONS

ON Bala; ch.16; 91 kw (CHUM Ltd.).
ON Barrie; ch.16; 190 kw; (CHUM Ltd.) CBC.
ON Parry Sound; ch.42; 6.11 kw; repeat CICA-19.

APPLICATIONS; CHANGES

ON Huntsville; CKVR-TV-2, ch.8; to rebroadcast proposed ch.16 Barrie; 0.115 kw to 42 kw.
ON Peterborough; C111-TV-27; ch.27; 1284 kw to 836 kw.

U.S.A. FORUM

An article from **DAVE SINCLAIR** (Vancouver, British Columbia), which deals with a Portland OR station. The 2/89 issue of Trinity Broadcasting Network's monthly publication, *Praise The Lord* (no connection with the PTL Club) reports on the progress of KTDZ-TV, ch.24, Portland OR: "An owner wanted to sell their permit for Channel 24, Portland. We wanted to buy. Even the FCC was ready to grant the transfer nearly a year ago. But we needed a new transmitter site. Naturally we wanted it near all the other TV stations up on Sylvan Mountain. But the environmentalists let us know they would fight us all the way. There are special people most everywhere these days who don't want such unsightly things as - HORRORS - A TV Tower, even if it is barely visible on a mountain several miles away with only a faint blinking red light. But that is the subject of another battle. Next we tried to lease time on another TV station tower. They wanted something like \$8,000 a month rent! Next, the Canadian Government had to okay since Portland is so many miles within their border. We finally satisfied Canada, but still didn't have a site. We contacted a second TV station, who agreed in principle that we could share their site and tower. The monthly rent is now down from \$8,000 to about \$5,000 a month. Then and only then could the FCC finally grant the transfer of the Construction Permit."

Still in the great Northwest, let's go to **FRANK**

ADEN (Boise ID), who reports, "KKVI, ch. 35 Twin Falls is now listed on the air. I wrote KPVI about the station but received no response. Do you have the HAAT for it?" The original CP called for 537' AAT/95' AG/4380' ASL, or 164m AAT/29m AG/1335m ASL.

"Boise had two 'CTV' stations here on the 22nd [of February -wbf]. Both K438E and K10MY were running the CTV sat. feed for a few hours and then they were both off the air all day on the 23rd. Their downlink receiver must have gotten mistuned. It shows how sloppy the stations are maintained. Both stations have dropped TEMPO TV and are running RFD TV. RFD TV has been running partial lists of member stations and they listed K11PP in Montpelier ID. Do you have a listing for it? (No. -wbf) RFD TV also listed K19AR in Ontario OR.

"There has been no news at all on TRC's application for ch. 9 in Caldwell. I wonder if it has expired. None of the local broadcasters I get news from have heard anything on them."

Frank also sent a listing from RFD-TV of all

its affiliates, evidently all LPTV stations. It calls itself "Rural America's most important network," and gives its address as 2615 Farnam Street, Omaha NE 68131.

DONALD MARSHALL (Great Falls MT) sent in an article from the *Great Falls Tribune* on KTGF, ch. 16, Great Falls: "A short tower made from scaffolding, a handmade antenna and some leftover transmission line put KTGF television back on the air Thursday afternoon, after five days without a UHF signal. Material for permanent repairs was loaded on semi-trucks in Chicago Friday and is en route to Great Falls, and more is being flown in from Dallas. Locally, technicians are gathering dismantling the station's antenna and gathering gear to begin repair work Monday. KTGF went off the air about 2 p.m. last Saturday after heat built up near the antenna atop its 800-foot transmitting tower. Both the antenna and the top of the transmission line were damaged, said KTGF President James Colla, and debris fell, contaminating the entire length of the line."

"It was 'Murphy's Law' that trouble occurred in equipment without a back-up, during subzero weather at the beginning of the Nielsen local-market ratings month, he said. The station has back-up for everything except the antenna and transmission line, he said, because nothing is supposed to go wrong with them."

The article was undated, and nowhere in the article does it give the date of the incident, but the letter was postmarked 2/9/89.

JIM PIZZI (Paso Robles CA) sent in two articles. One, dated 3/21, reports, "KSLD-TV Channel 62, the first new TV station in the Los Angeles market in years, went on the air Monday night (3/20/89 -wbf) with programming supplied by Home Shopping Network, instead of Spanish-language programming as originally announced. Station president Jack Hodin said he made the change after he was unable to secure enough Spanish programs." "KSLD will broadcast from 9 p.m.-6 a.m. until April 3, when it will increase to 24 hours daily."

The 2/2 *Telegram-Tribune* updates on a situation brought up in the 3/89 VUD. "An Oxnard television station began broadcasting on San Luis Obispo-based Channel 15 this morning. Oxnard station KADY, owned by Riklis Broadcasting Inc. of Oxnard, is broadcasting under a one-year partnership between Riklis and 15TV."

"The agreement, announced Wednesday afternoon, marked Riklis' second attempt in less than a month to break into the Central Coast television market. Last month Riklis announced plans to replace Spanish-only programming with its English-only KADY programming on Santa Maria-based KOTA." "However, the earlier plans fell through after details were published in the *Telegram-Tribune* and a number of Hispanics protested the proposed change."

PAT DYER (San Antonio TX) sent in two small articles from the 2/16 *San Antonio Express-News*. One describes a new LPTV station, K20BW in San Antonio: a commercial religious station. "Channel 24 is a 24-hour family station, carrying movies, sports, children's programs and religious shows."

Meanwhile, KRRT, ch. 25, has been "trying out a new 11 p.m. 'drive in theater' - featuring flesh

flicks like 'The Last American Virgin,' 'Joy of Sex,' and 'The Seniors.' General manager Rick Lowe says viewers won't see explicit sex, but editing will be looser than on movies running in prime time."

Other news from Pat: "LPTV pest K02MX went off last Dec 27 (having had nothing but color bars and a 400-Hz tone since Sept 1987 'birth'). The Houston FCC office had been advised that it was putting out some spurious signals on the 50-MHz band. After investigating it they decided that it wasn't 'clean' enough to remain on. Another PTV, somewhat snowy K67DW, has materialized meanwhile."

Several reporters came from the midwest. Let's start with **JOHN LENTZ** (Muskegon WI): "Milwaukee's 9th TV station, WDJT-TV, ch. 58 is now on the air as of November, 1988. There is an error in the March 1989 issue of the V.U.D. listing WDJT's transmitter location as 505 E. Capitol Dr. That is an error! The correct TL is 509 W. Wisconsin Ave. which is the Marc Plaza Hotel in Downtown. In September, TV 58 Limited Partnership replaced the old TV tower that once was used by WJTV since it has deteriorated." "Programming on WDJT consists of old movies and syndicated fare."

"W55AS moved to W65BT due to WHKE-55 Kenosha. I live 20 miles from Kenosha and I barely get a signal from them."

"W65BT which translates programs from WCUI-TV 26 Chicago is also rebroadcast on ch. 69 in South Bend, Ind over W69BT."

"8 out of 9 Milwaukee's TV stations are broadcasting in Stereo [the exception being] WVCY-TV, ch. 30."

"WUJA, ch. 49 Racine is planning on constructing their transmitter and tower south of Mitchell Field airport, about 400 E. Oakwood Rd. I drove thru that area 2 days ago (3/11/89 -wbf) and where they plan to build their tower is nothing but a farm field right now. I will keep you posted if I see anything in that area. (Does that include cornstalks? -wbf) They better hurry up or they could lose their CP."

"WVTV - 18 an independent in Milwaukee...is planning on improving reception in the Kenosha area. Their signal isn't received very well in Kenosha, therefore they plan to set up an LPTV transmitter in Kenosha to rebroadcast WVTV's programming over ch. 29."

"W65BT moved their transmitter from the First Wisconsin building to the Marc Plaza hotel last December."

"Friday morning, March 10 I received on ch. 64 at 5:55 am CST a picture that was in snowy showing a color bar on the right side of the screen and on the left listed the Wisconsin Education TV Network stations and on the top were 3 letters with Madison, Wis below the letters. At 6 am programming began parallel to WMTV-36 programming that morning. Before that WMTV had their regular color bar test pattern. I noticed one thing however, W65BT was not on the air like they were supposed to be! W65BT also starts programming at 6:00 am. I don't know what I was getting on ch. 64, can anyone help? I don't understand why W65BT would shut down. Xitrs and LPTVs aren't required to shut down to

protect newer ones.

NATHANIEL ELY (Madison WI) gives an update on that LPTV mess that he reported on in the 3/89 VUD. From the 2/24 *Wisconsin State Journal*: "We're operational - 95 percent of full power." Dan Dobrowolski, the owner of Madison's newest TV station, WSSM-TV/Ch. 54 said Thursday. A few Madison and Dane County viewers called Tuesday to report that they were getting a signal on the new UHF frequency of Ch. 54. Most who called said the picture was not sharp, but that's because station was transmitting at reduced power. The power was increased Wednesday, and Dobrowolski wants viewers to tell him how the signal compares to the former W5BD/Ch. 5.

"Dobrowolski (and a disgruntled partner who came to Madison from Florida to publicly retrieve satellite dish equipment) shut down the low-power station on Jan. 4. At that time Dobrowolski said he would be going on the air with the new Ch. 54 sometime in February. Indeed, Ch. 54, whose 10,000-watt signal is 100 times more powerful than that of Ch. 5, has been airing programming for several weeks on cable.... However, this is the first time the station has been transmitted to viewers without cable."

Nate comments, "What really bothers me is that they still broadcast on Channel 5, too. In order for them to get their signal to the cable company they send a weak signal on channel 5. Not only do I lose channel 54 for DXing but I didn't get channel 5 back for E-skip!"

From **RONALD PURDUE** (Byron MN): "After seeing the March, 1989 issue of the VUD about the *Minnesota Independent Network*, I would think the public has been misled about KTMA acquisition Corp. So far, as of this day, KXLT-47 in Rochester has not yet returned to the air. And, KTMA-TV still remains KTMA-TV. I now think the whole idea of MIN has fell through!

"The programming on KTMA-23 in Minneapolis is mostly 'bottom-of-the-barrel' programs ranging from syndicated programming of the 50's and 60's to weight-loss (sic) programs which they show over and over and over all of the time along with scores of boring-type movies and inaccurate movie schedules in TV Guide.

"In my opinion, I believe that KXLI-41 and KXLT-47 on Dec. 14, 1988 just plain folded! And, one question remains: Has KTMA really applied for new call letters?" (Not that I know of. -wbf)

"About KVBM-45 in Minneapolis. After reading the article in this month's (March -wbf) VUD, they will not be the Twin Cities first full power Christian TV station. WFBT-29 (remember?) was, with heavy preaching and bottom-of-the-barrel programming, just like KXLI was!

"In addition, KCBM is misleading the public interest with programming just like WFBT did and with anti rock mx campaigns. The person who is going to start KVBM was a lead man at WFBT (hit). I cannot remember his name.

"In other TV nx, the xlator of KITT-29 on channel 27 in Rochester is up with full power of a radius of about 15-miles from a xmtr located n.e. of Rochester in Haverhill township as of February 1st. Our local newspaper did not give a darn to cover about the xlator nor the CP for the new LPTV station on that channel (again public misled). I was aware of the LPTV permit

for ch. 27 and KITT operating on that channel when they went on the air."

PAUL GAINES (Detroit MI) sent in some news from the Detroit area. From the 2/12 *Detroit Free Press*: "April could be the month of the Battle of the UHF's in Detroit. Twelve years in the building, Frank Adell says his 5-million-watt WADL-TV (UHF Channel 38) in Mt. Clemens is the very last UHF license the FCC will award the Detroit area. In about three weeks, out test pattern will go on. We may run the test pattern a couple of months to get our state-of-the-art equipment running perfectly. We don't want to start half-cocked and have to close down temporarily because of technical difficulties. We'll blanket the greater Detroit area to the edge of Ann Arbor and to the edge of Flint. Our signal is 3 million more watts than Channels 50 and 20. And we are in stereo, a big plus." Adell won't tip his hand on programming yet, but it'll be movies, sitcoms, syndicated fare and pre-sold shows on the lines of other area UHF independents like Channels 20, 50 and 62."

Writing on 3/21, Paul reports that WADL signed on with a test pattern. From the 3/20 *Detroit Free Press*: "Channel 38's 658-foot tower off 15 Mile Road in Mt. Clemens will pump out five million watts. It will be the region's last UHF station because there is limited space on the broadcasting airways.

"In some respects, this is an excellent time to own an independent television station and more people do. There were 103 independent stations in 1979, according to the Association of Independent Television Stations, Inc. (INTV), a Washington, D.C., based trade organization. By the beginning of this year, that figure had more than tripled to 321. They include 256 general entertainment stations, 21 commercial Spanish-speaking stations, 17 home shopping stations that sell commercial time, and 27 religious stations that sell commercial time."

"In the middle 1980s, the independent television market seemed nearly boundless. In 1985 alone, 38 new stations came on the air. But that burgeoning expansion created problems. That rate of growth meant that the demand was far greater than the supply of programming. [INTV Vice President Larry] Laurent said. They (independents) were spending more for programming than they could possibly realize."

"During the 1985-1986 season, 25 independent television stations entered into some form of bankruptcy, among them the stations of Grant Broadcasting, one of the nation's largest independent television groups.... Later, programming prices fell, Chapter 11 filings slowed and bankers were becoming a little more comfortable with the notion of financing an independent television station."

"Exactly what programming Channel 38 will offer is unclear, partly because [owner and manager Frank] Adell is reluctant to discuss it for competitive reasons, partly because he doesn't know yet. It's a safe bet, however, that Adell will rely on a programming mix familiar to independent stations: children's fare, movies, perhaps some home shopping and/or religious programming."

One category of expensive programming will be

avoided. "No news at all," Adell said emphatically. "Our motto is no news is good news at 38. Channels 2, 4 and 7 have great news departments, and we don't want to be amateur night at Channel 38."

Paul writes on 2/23/89: "Channel 26 is on!" I'm not sure, but I think he's referring to an LPTV carrying Channel America Network.

From the 3/21 *Detroit Free Press* about WTVS, ch. 56: "WTVS-TV is setting a fund-raising record this week, though it's not one that the station is going to boast about. Channel 56's current pledge drive will last for 19 days - three more days than originally planned, three more days than ever before."

"It has been a long time. Especially when you consider that the station plans to do 11 more days of pledging in August, 16 more in December. Forty-six days in all. One and a half months. Not counting the dreaded auction.

"Do not, however, blame the folks at Channel 56. The fault lies with the way we pay for public television in this country."

One more Michigan report comes from **MARK JAMES** (Marquette MI), who sent in this article from the 2/14 *Marquette Mining Journal*: "A new, independent television station is in the works for Marquette, but it could be awhile (sic) before it actually takes to the air. Owners of Upper Peninsula Telecasting Corp., who have been granted the right to start up the new station on Channel 19, hope to mount their antenna atop WNMU's broadcast tower, according to documents on file with the [FCC]. But before that happens, an engineering study will have to show the tower can take the strain."

This next article comes from **LARRY FUSS** (Opelika AL), **KERMIT REID** (College Park GA) and **NICK LOMBARDI** (Atlanta GA). It's from the 2/14 *Atlanta Journal and Constitution*, about WNGM-TV, ch. 34 in Athens GA. "Athens is just far enough away from Atlanta and South Carolina to make it tricky to receive television signals from those areas without cable. But Mr. [E. Lanier] Finch

hopes to remedy that situation in the next few weeks when WNGM-TV Channel 34, Athens's first full-power commercial television station, is scheduled to go on the air. Mr. Finch, the station's general manager, is president of Atlanta based Georgia Mountain Corp., which owns controlling interest in the new television station."

"The station will cover an area with more than 350,000 households - including parts of Fulton, Gwinnett and DeKalb counties - with a 1 million-watt signal extending about 50 miles from Pendergrass, Ga., where the station's tower is under construction. Plans call for the broadcast day to run from 7 a.m. to midnight with a schedule of daily news and public affairs shows, old movies, Atlanta Hawks games and syndicated reruns...."

"WNGM - which stands for North Georgia Mountains - isn't the first station to try to fill the void between the Atlanta stations to the west and the Greenville-Spartanburg, S.C. market to the east. In 1984, longtime broadcaster Roy Gaines signed on WNEG-TV Channel 32 in Toccoa with a mix of old shows and movies, high school and college sports and a live country music call-in show."

BILL NIENAJADLY (Clifton NJ) found a small article in the 4/4 *New York Daily News*, reporting that WLIW, ch. 21 in Garden City NY began 24-hour broadcasting as of April 3. Up to now it had ended its broadcasting day at 2 a.m.

GEORGE MILEON (Lynn MA) sent in an article from the 2/16 *Boston Herald*. "In a sweeping change of direction, struggling WQTV yesterday axed 30 employees and announced it will drop its entertainment format to pursue public-affairs programming." "Officials of the Christian Science Monitor Publishing Society said the change is being made to coincide with the organization's strength, which they said is newsgathering." "The Publishing Society bought the station in 1986, and has offered general family entertainment. It has been unable to draw strong ratings, however, even among independent stations."

Convention '89 will show VIDEO AIRCHECKS!!

THIS SUMMER!



I'm attending this year's convention! SEE YOU THERE!!

FCC FM NEWS

Readers' reports—A VUD Exclusive

The fall of WKQD 93.3 Tullahoma TN's tower (see below, "AM Happenings") was caused by high winds, reports Keith Pugh. Now using the TV tower of WAAY, channel 31, but at a lower, temporary power. "Received the April VUD and see that you have some of the info I listed. I hope your work with the new Atlas goes smoothly... Sure seems to be a lot of frequency changes in the works. I think DXing will be much more of a challenge. Several meteor scatter frequencies will be gone, or made noisier at the least."

John Marx sent an ad from Charlotte, alluding to the apparent calls change of Hickory NC 102.9 to WEZC, in the wake of 104.7 Charlotte changing calls and formats. See next month. "I'm looking for rebroadcast-quality tapes of Caribbean radio programs featuring calypso, soca, reggae, merengue or other types of island music even if mixed with U. S. pop or soul. Listener-sponsored WORT 89.9 has used Jamaica and British Virgin Islands tapes recently with great listener response. I'd like to find them some more in an effort to expose listeners to Caribbean culture and music. Please help, if you can, by letting your readers know. I'll reimburse postage and tape costs (but not the cost of their Caribbean cruise!)." Write John at PO Box 971, Madison WI 53701. "Cesar Objio of the Dominican Republic sent me a copy of his brother Franklin's list of DR FM stations. Let me know if you'd like a copy. He seems to have to rely on carbon paper to make copies. Photocopying may not be readily available to him." [Send list if you want; I won't copy it, but might excerpt some details—b.e.] John also sent some FM scissions from White's and Stevens' radio logs of 1942, 1944, 1947 and 1948, OK for constructing early FM dial histories. "Does anyone collect/preserve old logs? I'll ask the Committee for QSL Preservation if they want them unless you or someone you suggest wants them."

FM DXers are referred by Charles K. Heath, Groveland CA, to an article buried in the recesses of some library—the January 1982 *Audio*, on constructing an ad-hoc rhombic antenna out of bell wire or twin-lead. "I built the two car garage version and it usually outperforms my 10-element yagi (FM only). I plan to build the full-size version (about 15 by 34 mat 98.9) at my new home site, 10 km away, but 305 m higher than my present home."

Ralph Strobel, no fan of the metric system, sent an item about the many formats on FM radio in the Muncie area, with broadcasters there quoted as saying the market is much more professional than many its size, because of its proximity to Indianapolis and Cincinnati to local dialers. Even David Letterman was once a dj on WERK AM, which tried for years to get an FM, finally being bought out by one of the FMs it was seeking, WOKZ 104.9. Ralph also sent an item about the c-p for Hayden ID 94.5, which a group is going ahead with. This despite another group backing out, because competition from Spokane WA and KCDA Coeur d'Alene, about to become a Class C, was feared.

Back in IN, Ball State's student carrier-current station is "KRUD," using the old WBST studios.

From CA, John Jefferson said the "band seems to be into the spring thaw: things are starting to happen at last," and he proceeded to fill his letter with news of station activity there as the result of his DXing. His best success lately is in logging KYTT 98.7 Coos bay OR at 600 km, and a north CA translator at a somewhat lesser distance.

With ratings so important and FM stations increasingly staging big-money contests, Paul Gaines sent an interesting

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Contributions welcome!

newspaper article on people who are professional radio contest winners. Some tune in with two or three radios constantly playing, note pads at hand, etc. Diane Belli.



Diane Belli, Radio Contest Winner

for instance, has won \$17,000 in four years of playing the contests. WQMC 104.3 Detroit says they have 50 regulars who win again and again. Winners are often not loyal to one station, but their names can be heard on many stations across town when contests are in full swing. Paul also sent an item on Detroit ratings, giving WJR a lead at 8.9, followed by FM stations WWWW, WJLB, WJQI and WLLZ.

Eric Nueman sent radio-TV lists he's compiled for St. Louis and Atlanta, along with the following for this column. "The FCC is finally stepping in to help AM radio. WADO AM 1280 New York has bought WGLI 1290 Babylon NY, with the intent of shutting down WGLI, to eliminate adjacent-channel interference to WADO's signal on Long Island. This will add an estimated 100,000 listeners to WADO's coverage area, most of which speak Spanish, as WADO is a Spanish station... KXOK AM 630 St. Louis and KLTH 97.1 Florissant have been sold to the owners of WLTJ 92.9 Pittsburgh, and has been approved by the FCC. Look for changes at KLTH, which is rumored to be going r (CHR). Two FMs and one AM are rumored to be getting new owners. Adams Communications, owners of WKLL 590 AM Wood River IL and KEZK 102.5 St. Louis, and Channel One Communications, owners of KSTZ 105.7 Ste. Genevieve MO, plan to swap stations. If it happens, and the FCC goes along with it, WKLL/KEZK will become property of Channel One Communications and Adams Communications will get KSTZ, but not KSTZ's sister AM station, KSGM 980 Chester IL... My group [is trying to find] the financing to buy KXEN AM and possibly KATZ-FM 100.3 Alton IL, which would enable KNJM 107.7 to buy out KATZ AM 1600... We are seeking investors."

"As for AM stereo, Motorola C-Quam is setting the industry standard. Chrysler now has all stereo radios in their new cars for 1989, and Ford and GM are making AM stereo/FM stereo radios available on most cars. Motorola has come out with a medium and low-voltage chip that will make AM stereo versions of the Walkman-type receivers possible, thus not putting too much strain on the batteries."

Again, with a lot of Canada news to report, I have Walter Patton to thank. You'll see it scattered throughout.

A satisfied customer writes: "Thank you for fixing my Superadio (with SCA). It now does all the things I had hoped for." Another writes: "We recently purchased [a G-E Superadio] with 67 and 92 subcarrier modifications from you. This unit is simply not usable. The workmanship was disappointing but I have tried to live with this

FCC-FM

"Pirate Radio Invades L.A."

May, 1989

problem if I could just have it to use with any quality of sound at all. Unfortunately, that is not the case. There is no separation of programs at all and the cost/ask makes using it impossible." I'll let you know what he says after I send him a replacement unit.

Gus Mancuso seems to think a network show he saw on the news concerned DXing. It pertained to "seasonal affective disorder (SAD)." "On the matter of improving maps, in next guide, I would suggest filling in along edges, that is, don't leave blank space around edge of a state. Show stations in the adjacent state along the perimeter. I think you should show AREAS, not STATES. If the state is square or rectangular, OK, do one state on a page, but if it's say machine-gun spread like MD, forget it. Worse thing is a state split like you did Illinois. Don't have south part of something on left page and north on right. Each two pages should be a complete entity. You should group classic rock and album rock stations together. Keep all hit radio a separate group. Don't mix pop with rock."

Bill Dulmage is having some trouble with a 67 kHz SCADuper I sent him, but "hope to order a radio from you in the near future, and am looking forward to the new FM Atlas." He sent an article on Reachout Radio, on the 92 khz of WXXI-FM Rochester NY, reading to the blind.

Ken Onschuk sent an article musing on all the recent call letters' changes in Chicago, and what some of the older calls stand or stood for. WMAQ was named after William A. Quinn, paper editor; WMET stood for Metromedia, and "WUEZ 104.7 Morris, 88 km SE of Chicago wants the old WCLR calls. However, a protest of this request is made by the 'old' WCLR, WTMX who says they still have 'rights' to it. Oh really! Stay tuned. WCLR started on 850 in Crystal Lake back in the 60s at least, before changing to WIVS. Then 101.9 WRSV Skokie grabbed WCLR, until the recent change. I guess the WCLR call can mean whatever the owners want them to be—Crystal Lake Radio, Chicago's Lite Rock, etc. On FM 100, Bruce, the WLOO calls were originally to be W-100, but another station out east had the W100 calls, so WLOO was closest thing to "1" they could come up with. So it was. Just like any Chicago station would like WCHI (formerly Chicago Heights IL 95.9—b.e.), ironically WCHI and KCHI, I've read, belong to stations in Chillicothe OH and MO." [My list shows WCHI as not being assigned anywhere now—b.e.]

Frank B. Shields, g.m., KRVL 94.3 Kerrville TX, had one of his translators for sale, but "I have sold it to a gentleman in Nashville." He didn't say which of the KRVL translators, if any, went dark.

W. R. McIntosh sent an article on Scott Shannon leaving NY to go to KQLZ 100.3 Los Angeles, where you can hear him for \$1/minute over the telephone. Now "pirate radio" becomes respectable, as KQLZ goes by that and it has an FCC license!

Fred McCormack reminded me that I had not printed anything about KKIDL Detroit Lakes going to 95.1 from 95.3 and you'll see that farther on. He gets FCC-TV (not FM) news from a copyrighted source, and might consider teaming up with me, since I no longer get the daily press releases.

"It's been since the August, 1987, convention that we've met," writes Bill Kretschmer. "I am writing to ask if you know when the 12th edition of the FM Atlas will be available?... As you know, I am hosting the convention this year and hope to meet you again!" He's been getting F2 skip from SF and LA. "The signals are so strong that the car/air/motorcycle mobiles (42.42-42.88 mhz) are audible! These utility stations are received as early as 9 a. m. local time..."

Saul Chernos supplied much call letters and format news on the low-power FM stations in the Midland-Lafontaine area, but I wonder if those stations have stereo and what their music format is? He heard them traveling to the maximum-security Penetanguishene Mental Health

Centre, covering a political debate. "All three [stations] heard while driving to the site and in parking lot... I haven't tried to verify anything. No sign of CBC French 90.3 as of March 15."

Bill Nienajch sent word that New Yorkers missing Scott Shannon may be able to hear him if a syndication deal Westwood One and WYNY 103.5 is working on pans out. Septuagenarian Hal Jackson is celebrating 50 years on the air. He's on WBSL 107.5 New York now, 8 a. m. to 2 p. m. Little WHCR *90.3 New York, "plays mostly jazz and is weak. My tuner doesn't get them unless the mono DX is pushed," so Bill is unable to confirm if WHCR has stereo. He's disappointed that WPST was removed from Gerry Turro's 103.1 translator in favor of WALK-FM. WALK must not move too sprightly, because Bill says it's "such a LAME station." He's just gotten a JVC TX 900 tuner and can pick up the adjacents better than before. "I can get Delaware, some Philly, some central PAs most of the time! Also Boston, Binghamton, Baltimore, Amherst at times, and more! Still get some NYC spitter."

George Sherman thinks either the Onkyo T9090 or the Magnum Dynalab would be pretty close for picking up adjacent channel FM stations, with the Onkyo advertised as more selective, but having the drawback of tuning in fixed 200 kHz increments. Audio by Van Alstine in Burnsville MN is a manufacturer of two models of tuners. Cambridge Audio, also local, is listed as a manufacturer of two models of tuners. He's noticed most stereo stores are in buildings that don't have outside antennae, and often have reception to stations blocked by other buildings. This makes selecting a receiver difficult in-store. He prefers the Winegard SC650 to Channel Master's Stereo Probe 9, thinking the former has a better front to back ratio. "It looks like I probably have a buyer for the T9090: a WTFDA member in PA sent a letter asking if it's still available, and a local friend offered \$300. I'm treasurer of our MN DX Club and I believe you were a member once—I remember you came to one of our DXpeditions."

Even with an excellent NAD 4150 tuner, Gene Cooper, Lompoc, is having difficulty pulling in KTWV Los Angeles on 94.7, because of KCQR 94.5 Ellwood/Santa Barbara, and KBOX 104.1 Lompoc makes reception of LA 105.1 difficult. He's not using a mast-mounted booster, either, and does not have his antenna pointed at the locals, so I really didn't know what to advise him, except to try an attenuator or a tunable booster, with variable gain and loss for the troubled frequencies. His antenna is a Finco FM-5. "As if that weren't enough, a woodpecker has fallen in love with my antenna. He wakes me every morning at 6:15 with his rat-a-tat-tat. He apparently experiences a 'high' through his feet on the tingling metal."

Thomas Leu has rejoined the WTFDA, "after a lapse of 20 years. I checked the roster and see that Bob Cooper, Hank Holbrook and Bob Seybold also still belong. My interest is mainly FM DX and I'm searching for opinions and evaluations on the Onkyo T9090II and Akai AT093 diversity tuners." He has the Fifth edition FM Atlas, and I had to tell him the 11th edition, 1988, is out of print.

Now on to stuff that was in FMedia! last month, and you'll see more news about the FM Atlas. Yes, you can advance order, if you wish, as the new book should be ready to mail out by the end of this month. Send \$11.00 per copy for one book, which will include shipping. Two or more copies tentatively priced at \$8.50 each plus .50 shipping for the two. By ordering now, you'll probably get the book in time for much of the current FM DX skip season, and for your travels this summer.

Ed Janusz, editor of "DX Montage" in the SPEEDX bulletin, points out my alerting readers to the menace of multitudes of Family Radio translators being applied for in obscure places, but really with transmitters and service beams over much larger cities. "Dr. Elving is the

publisher of FMedia!, a monthly newsletter which I can recommend. He's opinionated (he's already convinced the USA to the metric system, for instance, and he's predicting the imminent demise of AM radio as a viable medium) but always ready to entertain debate. If you're interested in North American domestic radio, FMedia! is well worth a look. (Adolph NN 55701-0024 [that's right, no street or postal address--can a Family Stations translator be far behind?]; \$2 should get you a sample.) Actually, Family Stations did file for "Adolph" MN (91.9), but with transmitter in Duluth at a tower site so low it would not serve Adolph--a fact that I pointed out to the FCC.

Ed also says WFDU *89.1 Teaneck NJ (Farleigh Dickinson U.), "which you have listed as 'p', plays mostly old-time country and folk music during their brief stay on the air (by 5 p.m. they're gone and WNYU is there). WSOU *89.5 South Orange (Seton Hall) is heavy-metal except for certain college sports events (notably, their surprising hoop team), despite concern from this Catholic school's directors. WKTW 'Dover Township' still has not appeared on *91.1; 'Dover Township' is Toms River (the town directly south of Bricktown), and I think I would have heard it by now."

"Radio World Annual," indexing 1988 articles published in that broadcasters' paper, shows my book review of Peter Hunn's Starting and Operating Your Own FM Radio Station, as having been published on p. 25 of the October 1 issue. I am offering the Hunn book for sale through my catalog, at \$13.95 with shipping.

And read, buried within, the feature, "See Also," in which I refer to items of FM interest in other VUD columns of last month.

New FM Station, Translator Grants

This issue has a deadline coordinated with FM Atlas-12. Selected translators only; more are shown in my FMedia! newsletter. AL Uadewille *86.7 9000 h.v.; 100 m, vertical only; Talapoosa County Christian Broadcasting, g 97.3 3000 h.v.; 100 m, Dale Bcstg. AL Selma WV CA 105.3 format, parameters not announced, but will be C2, assumed to be 30000 h.v.; 150 m [H Bcstg. AL Tuskegee 99.9 850 h.v.; 185 m, Double/AZ Lake Havasu City K261CD 100.1 (KWAZ 97.9 Needles CA translator) [Wynne AR El Dorado 93.3 900 h.v.; 168 m, W/JJ CA Cartago (N. of Diancha on lake-shore) 102.9 2000 h.v.; 545 m, Michael L. Benton CA Morgan Hill 96.1 3000 h.v.; 100 m, MH Bcstg. CA Orange Cove 100.3 72 wats h.v.; 632 m, Richard B. Smith [Im WY) CD Aspen K215AC *90.9 (KUWR 91.9 Lara/FL Holmes Beach 98.7 3000 h.v.; 100 m, g FL Tallahassee W265AA 100.9 (WQI) 101.7 Quincy, on air, but may have change frequency if the new WGWO 100.7 Greta comes on and objects to the translator. FL Vero Beach WSCF**FM** *91.9 2000 h.v.; 91

m, Central FL Ed. Bcstg., Inc. GA Lakeland 105.9 3000 h.v.; 100 m, L. Bcsths. HI Waimea KFMM-1 96.9 50 watt booster ID Hayden 94.5 3000 h.v.; 63 m, Media West IL Beardstown W211AH *90.1 (WIBI 91.1, Carlinville) [Radio, Ltd. IL De Kalb 94.9 3000 h.v.; 100 m, DeKalb/IL Henry 100.5 3000 h.v.; 100 m IA Manchester 94.7 3000 h.v.; 100 m KS Caney 101.1 3000 h.v.; 100 m, M. P. Stephens KY Berea 106.7 1620 h.v.; 146 m, Mary R. McGill KY Hazard 104.7 750 h.v.; 200 m KY Manchester 105.7 1200 h.v.; 141 m KY Whites City 105.9 3000 h.v.; 100 m ME Pittsfield 99.5 3000 h.v.; 74 m MI Bay City *90.1 100000 h.v.; 75 m, Ctl. MI U. MI Glen Arbor 95.9 650 h.v.; 223 m MN Grand Marais 95.3 100000 h.v.; 201 m MS Holly Springs 94.9 3000 h.v.; 72 m MS Wiggins 97.5 3000 h.v.; 100 m MS Yazoo City 93.7 3000 h.v.; 100 m MO Ava 105.9 2200 h.v.; 116 m MT Shelby 97.9 100000 h.v.; 300 m MT West Yellowstone 96.5 3000 h.v.; -174 m NH Conway 104.5 3000 h.v.; 36 m NM Las Cruces *91.5 1000 h.v.; -59 m, NMSU NY Lake Placid W276AU 103.1 translator owned by Edgar Fletcher, on air, primary not announced [Penny Bcstg. NC Wadesboro 93.5 3000 h.v.; 100 m, Red/OH Lancaster 103.5 3000 h.v.; 100 m OH Uhrichville 99.9 3000 h.v.; 100 m OH Union City 97.5 3000 h.v.; 100 m OK Commerce 98.7 3000 h.v.; 100 m OK Norman K201- *88.1 (KNYD 90.5 Broken Arrow), on air (see D. Buntin report, VUD last month, p. 19) PA Avis 99.9 400 h.v.; 227 m, Pro Marketing, Inc. RI Narragansett Pier 102.7 3000 h.v.; 100 m SC Charleston 100.7 3000 h.v.; 100 m SC Florence WNNY**FM** 100.3 3000 h.v.; 100 m, SC Greenwood WMTY**FM** 103.5 3000 h.v.; 100 m, United Community Enterprises, Inc. SD Faith *97.1 100000 h.v.; 460 m, State Bd. of Ed. Tv. to be \$, c/p, 11 SCA for the blind TN Huntington 93.7 3000 h.v.; 100 m TX Cameron 101.3 3000 h.v.; 100 m TX Friona 95.1 3000 h.v.; 87 m, Lois B. Crain TX Odessa 96.1 5000 h.v.; 150 m UT Delta 95.7 100000 h.v.; 2 m, TGWM, Inc. VA Clinchco 93.1 3000 h.v.; 100 m WI Mayville 98.7 3000 h.v.; 100 m, Molly E. Huth BC Adin 99.9 10 h., to rebroadcast CFMI 101.1 New Westminster BC BC Gold River CFWB- 100.1 50 h., relay of Campbell River station BC Magna Bay CILK- 94.7 6 wats, to relay Kelowna station BC Port Alice CFNI- 100.3 20 wats h.v., to relay Port Hardy station BC Salmon Arm *CBUC 96.9 76 h.v.; CBC, CBU Vancouver relay, replacing AM after one year, at which time the AM deletes BC Tumbler Ridge CJDC- 92.7 95 h., relay of Dawson Creek station BC Winlaw *CBUJ 91.7 100 h.v.; CBC, CBU Vancouver relay, replacing CBUJ Stocan and CBUJ New Denver, which are to delete within one year after the FM's start ON Elliot Lake *CBEC 90.3 100 h., to relay CBCS AM Subdry, replacing AM after one year on the air ON Thunder Bay *88.3 23700 h.v., to replace AM CBQ 800, but calls not certain, since there already is CBQ-FM in Thunder Bay; could CBQ and CBQ-FM both be used as call letters for FM stations in the same city? PQ Riviere-du-Gouffre GHO- 92.3 15 h., relay of St. Hilairion station PQ Victoriaville CFJO, no frequency or parameters announced. To be owned by CFDA AM. CFDA is available on cable FM locally "in pseudo-stereo. The studio console is linked to

the cable company in mono by a telco line. The signal is separated into two channels at the cable company and introduced to a stereo generator so that the pilot tone lights on FM receivers, to the amazement of listeners" (?). NT Nanisivik *90.1 CBC Northern Service, 20 wats 106.1 20 wats, CFMI- plus local NT Rankin Inlet *CBOR 105.1 1 watt, replacing deleted CBOR AM Denial affecting former station CFIN 104.5 Coaticook PQ. The CRTC said it "remained unconvinced that the proposed station could achieve either its projected revenue or meet its programming commitments." Also denied was PQ Rimouski/Mont Joli 96.5, "after attempted resurrection of CKLE FM." CRTC recently accepted applications for commercial FM stations to serve Thunder Bay, Nipigon and Red Rock ON, as well as Trois-Rivieres PQ. "In the course of my work here at Transtar I've come across a disturbing trend--there are a number of people applying for FM CPs with the sole intention of selling the station moments after they go on the air. CPs can be sold only for the value of the permit. Stations, however, are sold at near market value. I ran into a case in Pennsylvania (WKBE 94.7 Patton), where the station was sold in a matter of weeks after going on air. I've also seen this in Maine, Vermont, New Hampshire and Maryland. If this isn't abuse of process, I don't know what is! Keep up the good work!"

Call Letters Assigned

AL Reform 101.7 WTID (WVRT) AK Adak *103.1 AFRN (AFR) AK Anchorage 102.5 KASH-FM (KASH; AM is in Modesto CA) AR Greenwood 106.3 KZKZ (KAJJ) AR Malvern 101.5 KISI AR Pine Bluff 101.3 KPBQ**FM** AR Texarkana 107.1 KTVN-FM (KTVN) CA Glendale 101.9 KEDG (KMPC-FM), r, "The Edge" CA Los Angeles 93.1 KODJ (KNX-FM), r (oldies), "93.1 FM." 100.3 KQLZ**FM** (KIQQQ), r (hits), "Pirate Radio 100.3 FM," offering you a chance to hear them on the telephone, but the call will cost you \$1/minute. Dial 900-990-8000 to hear the likes of Scott Shannon, hailed as the PD who brought WHITZ 100.3 out of obscurity into dominance in New York CA Modesto 102.3 KFIV**FM** (KFIV-FM; AM has new calls) [has new calls) CA Salinas 102.5 KODN**FM** (KODN-FM; AM) CA Twenty-nine Palms 107.7 KCDZ CA Ukiah 103.3 KUKY (KIAH) CA Visalia *89.7 KARM CO Security 105.5 KBZE (KWYD-FM) FL Tallahassee 94.9 WNTZ (WNT-FM) IL Des Plaines 106.7 WYLL (WTWV), g, "doing their own thing, not by satellite any more. It sounded very nice, whatever you call their type of music." Drops "The Wave," now "Chicago's Christian Music FM," with "No news." No commercials heard, either; drops dual city ID with Chicago. IL Morris 104.7 WCLR (WUEZ-FM), b format, but the former holder of the WCLR calls, WTMX 101.9 Skokie, objects to this change, saying they still have "rights" to the call letters. IN New Carlisle 102.3 WSPW (not WUBU), to 2000 h.v.; 121 m, expected on soon IN Van Buren 99.3 WCJF (WMRR) IA Iowa City *89.7 KRCI-FM (KRUI); AM is in Rudoso Downs NM KS Medicine Lodge 95.9 KREJ KS Pratt 93.1 KGLS (back to, from KLLS, which

calls now assigned to Dodge City 93.9) KY Corbin 99.5 WKDP-FM (WYGO-FM), k LA Baton Rouge 100.7 WTGE**FM** (WTGE-FM; AM has new calls) LA Monroe 104.1 KJLO-FM (KJLO) LA Washington 104.7 KNEK-FM ME York Center 95.3 WCQL-FM (WQMI-FM), "Cool 95.3" ("very strict"), still in (oldies). MD Federalburg 107.1 WDLF-FM (WEYZ); AM is in Dora AL MA Fairhaven 107.1 WFHN (WBSM-FM), on air in \$, r (CHR), transmitter on an island in New Bedford harbor--historic site of former WBSM-FM 97.3 transmitter. ID with New Bedford, "Fun-107." MI Carrollton 100.5 WSWK MI Muskegon 104.5 WSNX-FM (not WSNX, as AM retains those calls), ID with Holland-Grand Rapids MI Roscommon 101.3 WGRY**FM** (WLA1) MI Vassar 98.9 WWOE (WFI) MN Crosby 101.7 KTCF MN Gluckstadt 101.7 WLIN (WEQZ), b, \$, "Lin" MS Vicksburg 98.7 WJIN (WCKO), k MO Cabool 106.3 KOZK (KVVC-FM) [105"] MO St. Joseph 105.1 KKJO (KSFT), r, "K-Joe/MO Washington *89.9 KGNV MT Great Falls 100.3 KOOZ (KLTV) NE Scottsbluff 101.7 K269DU (from W269AZ), petition to deny application for extension of time to construct filed by Tracy Corp., KMOR 92.9 Scottsbluff NV Las Vegas 105.1 KLTN NH Peterborough 92.1 WMDK-FM (WMDK) NE Espanola 102.3 KMIO (KEVO) NM Farmington *90.9 KSJE NM Gallup 99.1 KGLX (KUUL) NY Big Flats 97.7 WGMW (WNB) NY Boscobel 103.5 WMOE (WACS-FM) NY Cortland 99.9 WNYL**FM** (WQWK) NY De Pew 93.7 WBLK (WBLK**FM**) NY Port Henry 92.1 WXXS (WZWC) NC Charlotte 104.7 WMXC (WHEC) NC Wilmington 97.3 WMOF-FM (WHSLL), m, calls stand for "We Make Friends Daily" OH Canton 106.9 WRQK-FM (WRQK) OH Dayton 99.1 WHKO (WHIO-FM), k, \$ (terrel), "K 99" (strict). "WHIO polled their listeners and the majority preferred k music rather than W. The only b station in that area is 92.5 WHEZ Cincinnati." OH Findlay 105.9 WKXA**FM** (WHMQ) OK Salpava 100.9 KXOJ**FM** (KXOJ-FM; AM has new calls) OK Stillwater 105.5 KKND (KVRD) OR Sweet Home 107.1 KSKD (KNKN) PA Erie *88.5 WMMZ PA Huntington 103.5 WLAK (WRIR), having moved from 106.3. FCC has yet to announce file of WKVR *103.5 Huntington, which has filed an application for low power on *92.3. PA Huncy, 103.9, HITT (HITT-FM) "Power" SD Rapid City 93.3 KKKM (KPHR), losing/TN Etowah 103.1 WZMT (WYKS) TX Big Spring 95.3 KBST**FM** (KWKI-FM) TX Gainesville 94.5 KQGU (KZRK) TX Huntington 101.3 KADU TX Lamesa 100.3 KIOL**FM** (KUFO) TX Pittsburg 96.9 KDHB TX South Padre Island 92.7 KESO TX Waco 99.9 KTKS (WACO-FM), r (CHR), "Kis-99" UT Ogden 97.9 KKWY (KKG), still r, "Y-98" VA Bridgewater 105.1 WRDJ-FM (AM is in Daleville AL) [for the FUB) W Bonne Bay *89.1 CBNF; AM is deleted/ON Lafontaine 101.9 CFLH on air, French ON Midland 88.1 CFLX, on air, relays CFRH, as does Perkinsfield ON 89.7, whose call letters are not known ON Penatanguishene 101.9 CFRH, applies to reduce programming from 126 hours/week to 40 hours/week

TA Reynosa 90.1 XHRYX Facilities Changes Granted AL Mobile WAVH 96.1 409 m (100000 h.v.) WABE-FM 97.5 473 m (100000 h.v.) AL Prattville WQIM 95.1 (from 95.3) 50000 h.v.; 150 m, C2 [vertical only) AL Tuscaloosa WVUA *90.7 49 m (120 w/AL Tuscaloosa KJZZ *91.5 491 m (100000 h.v.) AZ Tucson KLPX 96.1 96500 h.v.; 595 m AZ Wickenburg KCIW-FM 105.3 (from 105.5) 4000 h.v. (-81 m) AR Hot Springs KIAZ 105.9 (from 106.3), "Z. 106," 95000 h.v.; 303 m AR Osceola KMPZ 99.1 60000 h.v.; 378 m CA Colusa KKLJ 96.5 12 m (3000 h.v.) CA Palm Springs KPFI-FM 100.5 (from 100.9) 25000 h.v.; 100 m, B1. "We will be adding an SCA at 92 kHz (f.c.), to relay our AM station to cable systems, and working with local technicians to modify people's radios to get the SCA." Equipment for the SCS project is on order. CO Glenwood Springs KMTS 92.7 25000 h.v.; -71 m, C2 CO Sterling K215AN *90.9 (from "Lone Star") FL Gainesville WJLF *91.7 2000 h.v.; 122 m FL Malabar WFIT *89.5 2350 h.v.; 34 m GA Chatsworth WDMT 98.9 (from 98.3), having just changed frequency, "still k format." GA Rockmart WZOT 107.1 50000 h.v.; 150 m HI Lihue KONG-FM 93.5 100000 h.v.; 69 m, C1 BI La Salle WAJK 99.3 11000 h.v.; 149 m, B1 IL Macomb WJEQ 102.7 (from 103.1) 25000 h.v.; 82 m, B1 KS Dodge City KLLS 93.9 143 m (100000 h.v.) KY Madisonville WSOE *89.9 86 m (15000 h.v.) ME Biddeford WYJY 94.3 13000 h.v.; 137 m, B1 MA Boston WBUR *90.9 d-a [directional antenna]; on with new facilities. MI Newberry WNBV-FM 93.7 (from 93.5) 3500 h.v.; 80 m, C2, but with Class A coverage MN Detroit Lakes KDDL 95.1 (having moved from 95.3) 100000 h.v.; 296 m, ID with Fargo (ND)-Moorhead [h.v.; 315 m MN Golden Valley KQRS-FM 92.5 100000/ MN Minneapolis KLXK 93.7 100000 h.v.; 315 m KT CZ 97.1 3000 m, d-a (100000 h.v.) WL DL 99.5 100000 h.v.; 315 m WLTE 102.9 315 m (100000 h.v.) [m MN Richfield KDWB-FM 101.3 100000 h.v.; 315/ MS Eupora WLZA 96.1 (from 101.7) 40000 h.v.; 167 m, C2, has \$ (terrel) MO Bethany KAAN-FM 95.5 50000 h.v. (109 m) MO Bolivar KYOO-FM 105.9 (from 106.3) 50000 h.v.; 150 m, C2, adds vertical MO Jefferson City KTXV 106.9 381 m (100000 h.v.) [95.3 50000 h.v.; 100 m, C2 MO Owensville KZBR/ [from 89.9) MO Warsaw K208B0 *89.5, [BA 91.3) NV Incline Village K212AU *90.3 (from K217-1) NV Las Vegas KYHK 97.1 585 m (100000 h.v.) NV Sparks 92.1 500 h.v.; -162 m NY South Bristol WZSH 95.1 50000 h.v.; 150 m NC Manteo WZFI 98.1 50000 h.v.; 108 m, C2 NC Southport WSMF 107.5 32000 h.v.; 181 m OH Youngstown WKBN-FM 98.9 5900 h.v. (418 m), m ("soft AC") OK Okmulgee KOKL-FM 94.1 (from 94.3) 18100 h.v.; 249 m [133 m OK Sand Springs KTOF-FM 102.3 1700 h.v./ OK Shawnee K272BX 102.3 now has KNYD *90.5 Broken Arrow on it, not KTNT 97.7 Edmond. Several KNYD translators in the commercial band said to be running commercials (even though the primary is educational), or perhaps they are like the commercials heard on public broadcasting, which are politely called "donor announcements." OR Agate Beach K219BJ *91.7 to have KEAR 106.9 San Francisco, not KPRA *89.5 Ukiah. OR Bend K1DD 98.3 900 h.v.; 156 m [h.v.) OR Redmond KPRB-FM 102.9 122 m (100000;

PA Bellefonte WZWW 95.3 790 h.v.; 194 m PA Franklin WVEN 99.3 7300 h.v.; 183 m, B1 PA Stroudsburg WSBG 93.5 550 h.v.; 233 m RI Westerly WWRX 103.7 37000 h.v.; 173 m. "With WZPK Berlin NH now broadcasting from Mount Washington, I can no longer receive WWRX." WZPK said to now be strong in Portland Me. [271 m (15000 h.v.) SC Aiken WRXR-FM 96.3/ [1150 h.v.; 163 m SC Surfside Beach WYAK 103.1/ [202 m SD Vermillion KUSD-FM *89.7 31500 h.v./ TN Etowah WKCS 103.1 Class C2, but FCC does not announce new parameters TX Brownsville KRIX 95.5 316 m (100000 h.v.) TX El Paso KAMZ 93.1 100000 h.v.; 356 m TX Lufkin KUEZ 99.3 25000 h.v.; 213 m, C2 TX Nacogdoches KSAU *90.1 3500 h.v.; 137 m TX Winfield KYKM 97.7 50000 h.v.; 150 m, C2 UT North Mead (from Mead) K232AR 94.3 VA Elkton WPKZ 98.5 (from 98.3) 9400 m (2400 h.v.), to be m (AC) VA Portsmouth WNH8 *88.7 15500 h.v.; 48 m WA Rock Island XKAA 99.5 450 h.v.; 51 m WA Tacoma KPLU *88.5 57000 h.v.; 714 m WI New Holstein KFKO 93.1 (from 95.0) WI Rice Lake WAQE 97.7 50000 h.v.; 150 m, C2 WI Waupun WGGG 99.5 (from 99.3) 50000 h.v., 150 m PR Aguadilla WTPM 92.9 373 m (50000 h.v.) PR Fajardo WZOU 96.5 11500 h.v.; 852 m PR San Juan WJAC-FM 102.5 50000 h.v.; 347 m BC Gibsons CIG 107.5 (from 107.1) BC Squamish CIGD 107.1 (from 104.7) BC Terrace CUFW 103.1 1550 h.v.; 446 m, d-a ON Brantford KPCF-FM 92.1 230 m (50000 h.v.), "C1 restricted" ON London CHRW 94.7 gets setback in raising its power from 50 to 5000 wats. Tower on H. B. Beal Secondary School found not strong enough to support antenna; search goes for new, affordable sites, with hope power can go up in 1989-90 school year. PQ Montreal CIBL 104.1 (from 104.5) 320 h.v., at a new site--the mast of the Olympic Stadium. The CRTC denied CIND Montreal an increase from 50 to 1550 wats on 102.3. CH Ciudad Juarez XHUA 106.7 is non-commercial, run by the government at 100000 h.v., "well in excess of the maximum 600 meters for a 100 kwatt." Transmits from Ciudad Juarez Channel 5 TV site, and "getting into Las Cruces NM better than the El Paso stations."

Stereo, or to be Stereo

CA Ellwood KCLR 94.5, r, "Quality Rock" CA Fort Bragg KSAV 97.7, m, "no rock heard" CA Pacific Grove KAZU *90.3, back in stereo CA Ukiah KMRJ 105.9 m, "new age/MDR-jazz" HI Kahului KHUI 99.9, m, "light rock" HI Pukalani KMVI-FM 98.3, r, "some current hits, plus music of the last two decades" FL Ft. Pierce *85.5, "24 hours except on weekends, and really gets out WBRH is not sharing time with 88.5 in Peoria, as yet. Facilities change to 4300 h.v.; 151 m. KS Salina KCVS 104.9 MA West Barnstable WKKL *90.7 MS Amory WAFM 95.3, r MS Oxford WOXD 95.5, r MN Silver City KSCQ 94.5 NY Corning WBCA-FM 98.7 [stereo NY Painesville WPOB *88.5 finally embraces/ NY Salamanca WQRT 88.3, k, "Great 95 Country," ID with Dean-Bradford (PA) NY Stillwater WSSV 161.3 OH Gibsonburg WRED 95.9 OR Tri City KTRQ 104.3, to be r, CHR, 24 hours PA Patton WKBE 94.7, k, B-95 [stereo PA Philadelphia WKDU *91.7, "justwest"/ WWOB 96.5 stereo on weekends, "all Sinatra Fridays nights and Saturdays, and jazz on Sundays." Call the overall format im.

PA Phillipsburg WPHB-FM 105.9, k
R1 Bristol WDR1 *88.3, r, "just came on."
TN Wartburg WGTG 101.3, k
TX Anson KKRH 98.1, r, ID with Abilene
TX Clifton KWOW 103.3
TX Miranda City (Laredo) KZZQ 100.9, to be r

Format Changes

Formats are the same as in the "FM Atlas"
AL Bay Minette-Mobile WLRP 105.5 s, simulcast-
ing WMLL 1410 Mobile, "and will become
WMLL-FM"
AL Birmingham WZRR 99.5 rp, "Rock 99"
AL Stevenson WWSV 101.7 kr, k days, r nights
AR Marion KFTH 107.1 k (new calls rumored
heard, KDRH or KTRS, but no announcement
from the FCC on this)
AR Walnut Ridge KRLW-FM 106.3 k
CA Eureka KFMI 96.3 rm, adult/contemporary
CA Ojai KMYX 105.5 k
CA San Bernardino KVCR-FM *91.9 on, having
dropped jazz
FL Fort Myers WSCA *91.5 p, "SMN Z-Rock"
FL Greta WGWG 100.7 s, testing, no phone
number yet
FL Havana WMLD 104.9 is b or m, not s
FL Tallahassee WBGW-FM 98.9 rm, "all New
Lite Rock 99 FM"
GA Martinez WMTZ 94.3 r (oldies), "94-Gold"
GA Ringold WSGC 101.9 r (oldies), ID with
Chattanooga TN, "Solid Gold Chattanooga."
Has Stereo.
GA Smyrna WQXI-FM 94.1 r, dropping nicely
just as of March 26. It "will broadcast
adult-oriented top 40 tunes in its place,"
relegating jazz to a Sunday only broadcast.
IL Dundee WABT 103.9 rp
IN Lafayette WJEF *91.9 r, monophonic
IN Paoli WUME 95.3 rm, "adult/contemporary"
IN Valparaiso WVUB *91.1 cr, with late night
rock, replacing easy listening
IA Le Mars KKMA 99.5 rm, "light adult
contemporary," "Magic-99.5" (not strict).
KS Wichita KLSZ 97.9 pm, "PMN/Breeze nights"
ME Bangor WHCF *88.5 g, c, k, "Kiss 94"
ME Ellsworth WKSQ 94.5 stl r, "Kiss 94"
MI Caro WIDL 104.9 m, \$
MI Dearborn-Detroit WNIC 100.3 r
MS Clinton WHJT 93.5 or, "contemporary
Christian," retains r, 67 kHz
MS Jackson WQHT 95.5 rs, "Hot 95"
MS Louisville WLSM-FM 107.1 k, "Miss 107"
MS Starkville WKYJ 106.1 (having moved from
106.3) r, "KY-106" (strict). Adds Columbus-
West Point at hourly ID; has Stereo
MS Philadelphia WWSL 102.3 rp, "Classic 102"
NE Holdrege 97.7 KUVR-FM rm
NV Las Vegas KLTN 105.1 rm, "lite rock"
NM Bloomfield KMYO 104.5 m, "oldies"
NM Rio Rancho KZKL 101.7 r, "Cool," stereo
assumed
NY Middletown WKQJ 92.7 rs, "KQJ" or "92.7
KQJ."
NY Paterson WJMV 105.5 m, not r. "They're
adult contemporary, which includes Neil
Diamond, currents (not played by any 'rock'
station), Julio Iglesias, etc."
NC Goldsboro WKTG 96.9 r
ND Grand Forks KNDX-FM 94.7 rm, "Light
Rock 95" (strict)
OH Archbold WMTFR-FM 95.9 r (oldies)
OH Cleveland WCSB *89.3 p, "punk rock, heavy
metal"
OH Dayton WDRS 89.5 m, mono. "Now playing
jazz and new music," and "no more r"
OH Mansfield WNGO 106.1 r
PA Grove City WRKU 95.1 rp, "K-Rock"
SC Florence WYNN-FM 106.3 s, "urban"
TN Lobelville WIST 94.3 rk, also gospel, on 24
hours daily. "WIST is now stereo, which was
turned on a few weeks before Christmas '88"
TX Bandera KHLC r, "All Hits 99"

TX Bonham KFYZ 98.3 r (oldies)
TX Lufkin KYKS 105.1 k, "Kicks 105"
TX Navasota KNAV 92.5 r (SMN oldies, S)
TX Port Arthur KHYS 98.5 sr, "Kiss-98.5"
(strict, ID with Houston, 595 m (100000
h,v)
TX Port Lavaca KPLV 93.3 r, still "V-93"
TX San Antonio KTFM 102.7 rs, "102.7 Jamz"
WI Milwaukee WUWM *89.7 nj, has stereo jazz
10 p. m. to 5 a. m.
WY Wheatland KYCN 101.7 k
ON Owen Sound CIXK 106.5 r, "K-106.5"
BN Tijuana XHTY 94.5 k, Spanish/Latin music
and polka-sounding songs (rancheras?). "Ra-
dio Tambora," 3000 watts (claims 5000
watts, but many Mexican stations combine v
and h powers in their promotions)
XHBCN 99.7 b, mono, "Radin Amour" (strict)
XHLTN 104.5 b, Stereo
"Thanks for the catalog you sent."
"Hope preparation of new FM Atlas is coming
along fine!"

On Air (Selected)

CA Chester KCMT 98.9, details next month
CA Davis KDVS *90.3 back at full power, as is
KBBF *89.1 mono Santa Rosa
CA McCloud KZ02AP *88.3, in stereo, and
received "with full quieting. That's 10 watts
at 225 miles. Those translators can get out!"
IL Chicago WKKC *89.3 now with 250 h,v; 34
m, -8a, and "blocking reception of WNUR
Evanston. I wish WKKC would move to
vacant *88.9, now that WOUI Chicago is not
operating."

Off Air or Not Yet On

CA Napa K220CK. "The FCC issued the license
for one watt, not the expected 10. KXPR
doesn't feel that can adequately serve the
area, so they're not building it." "This station
may never come on."
CA Sacramento KYDS *91.5 heard one night in
mono with lower-than-authorized power. "I
fear they're still having troubles."
CO Breckenridge K257CS 99.3, seeking a new
site [applying for 88.1]
CO Colorado Springs K208BE *89.5,
IL Chicago WSSD *88.1, "for good"
IN Columbus City WZRQ 106.3, "must be gone/
MN Northfield KRLX *88.1, "haven't heard in
months." Result of "lightning damage to
their antenna. They do plan to go back on,
but have not had the money to do so."
NV Carson City KNIB *91.3 "has not been on
for several weeks now, apparently they
completed their transmitter tests, paralleling
KNIS 94.7, and then went dark pending
construction of separate studio facilities."
NY Valhalla WARY *88.1--still on 88.5. "AOR
format. The Voice of Westchester Commu-
nity College." Signal rather poor here."
OH Tallmadge W20Z 104.2, to return late '83
OH Greenville WDRK 106.5, going to a new
facility
OH Hamilton WHSS *89.5

Deletions

AL Tusculumbia W276AR 103.1
CO Breckenridge K224BU 92.7, c-p not built
CO Hartsel K201AS, c-p not built. Hartsel "can't
have a population much over 100."
KS Lawrence K280CD 103.9
KS Manhattan K221BV 92.1 (because of KSDB
*91.9 Manhattan)
MA Duxbury WDBY *91.7, "station is per-
manently off the air"
NV Lovelock K261AG 100.1. Area served by
K249AD 97.7 Imlay-Lovelock.
NM Albuquerque K276CZ 103.1, because of
K1D1 103.3 Albuquerque
NY Elmira-Horseheads W228AT 93.5
OK Awa KRKA 104.7, "call letters are forfeited

and deleted"
WI Sparta K232AZ *94.3. "Knowing the animos-
ity between MN Public Radio and WI Public
Radio, I'm sure they wouldn't allow us to
build this, even if the KLSSE signal could reach
there." [CBT 97.1 Baie Verte."
NF Fleur-de-Lys CBTC *94.5, "now served by"
"Can the maps be less cut-up? Too many stations
in various states crowd space. I have no
solution. No matter what you do, some will
complain. Can't please everyone." You'll see
how I attempt to solve that problem when the
FM Atlas-12 is sent out.

NonIDs, Not Just Slogans

"What does the heading NonIDs, Not Just
Slogans Mean?" It refers to stations using a
phrase or slogan often during the course of an
hour without mention of call letters. A station
is said to have a "strict" nonID if it uses its call
letters only at or near the top of the hour, as
FCC and Mexican rules require. Canadian FM
stations do not have to identify, save for a
theoretical "CRTC announcement," that sup-
posedly can be given only once a day or once a
week at random times. A "nonstrict" station
might refer to itself as "FM-101" most of the
time, but also using its call letters occasionally
during the course of a typical hour's broadcast.
Other terms for this are "positioning statement"
and, as we read last week in a dispute between
two Maine stations, a "service mark."

CA Lompoc KXBO 104.1 K-Box 104, not strict.
For the rest of this feature and "multi-city" IDs,
see FMedial last month.
PQ Gatineau-Hull CKTF 104.1 F-104 (in French)
PQ Montreal CKMF 94.3-94 (in French)
"Personally, I wouldn't mind seeing the multi-
city IDs go, but do like having the nonIDs.
Also, how about listing the stations that are
MONO, rather than stereo, and generally
assuming that new grants will have 57 m sure
that over 90% of the new grants will come on
in these days. How about sending me a copy
of your radios' and electronics catalog?"

See Also April VUD For

AL Demopolis W2NJ 106.3 Z-106, Pugh, p. 17
CO Castle Rock KZRZ 92.1 need to know if this
station has finally embraced stereo. A few
years ago they said they were mono because
of trying to rim-shot Denver, Allen, p. 18
CO Colorado Springs apparent resurrection of
KAFM *89.7 on *104.5, Allen, p. 18
KTLF *89.7 g, Allen, p. 18. Stereo?
CO Greeley KSOY 96.1 K-Sky, Allen, p. 17
CO Rifle KZKS 105.3 105 Kiss FM, Allen, p. 18
CO Walsenburg KSPK 102.3 k, also has \$, Allen,
p. 17
KS Wichita KEYN 103.7 Power 104, Allen, p. 19
MS New Albany WWZZ 106.3 now WWZD 106.7
s, 7, 2, 17
NE Cozad KAMI-FM 104.5 format change to m
from k? Allen, p. 18.
NM Bloomfield KMYO m, Allen, p. 18
NC Goldsboro WKTG 96.9 still licensed there,
not to Tarboro, Coniglio, p. 22
NC Tarboro 104.3 to be WA20, which does not
deleto, but which is off the air, Coniglio, p. 22
OK Norman K201- *88.1 (KNYD 90.5 Broken
Arrow OK) is the possible translator Danny
Buntin heard, p. 19
OK Shawnee K272B X *102.3, apparently takes
over KNYD rebroadcasting from K249BD
there, which apparently deletes
WY Wheatland KYCN 101.7 k, Allen, p. 18;
KYCN is \$

AM Happenings Most Likely Caused by FM

AL Huntsville WAAY 1550, once the market's
leading station for top 40, still off the air and

facing new competition (if it were to come back
on) from WKGD 93.3 Tullahoma TN, now
identifying with Huntsville AL. WKGD lost its
tower, and has been broadcasting with lower
power from a TV tower near Huntsville
AZ Tucson *KTZR 1450 did indeed drop
"Z-Rock" for a Spanish-language format on Feb.
24. There are no teens listening to AM radio in
Tucson these days, but just three years ago it was
a different story. . . .
CA Truckee (Reno NV) KHTX 1400 silent
CA Augusta WRDOW AM in bankruptcy
IL Champaign WJTX 1580 (oldies) off the air. "I
know this station was going downhill. I just don't
think any station high on the AM dial with low
power is going to make it."
MO St. Louis WVEV 770 "has been operating
despite their owners being bankrupt. Studios are
in a private residence in Manchester, and offices
at 720 North First Street on Laclede's Landing.
The station is for sale."
NV Las Vegas KVEG 840, 50 kw days, 25 kw
nights. "After less than six months of operation,
the station is already in receivership, and for sale
with an asking price of \$2 million (and no
takers). Staffers say they are getting their
paychecks late, with only one-third of the pay
they were promised when hired. Most non-air
personnel have been laid off. The bank trustee
overseeing this station is threatening to take it off
the air until a buyer can be found. Las Vegas,
with all its new FM stations, as well as FM c-ps
and applications, which will be on the air in the
next few years, is an over-saturated radio market.
With the glut of FM stations, AMs will be
hard-pressed to survive, particularly if they are
stand-alone."
NJ Dover WMHD AM 1510 (see last month)
"turned in its license. Was Jersey's most powerful
AM--its owners were into it for \$2 million."
TN Millington (Memphis) WMPG 1050 silent
NF Port Saunders CBNJ AM replaced by CBNJ
90.5
NS Halifax CBH AM off the air. "Now that CBH
AM is no longer with us, its transmitter site is for
sale with the facilities should you want them. It
covers all of 77 acres." [2 100.9]
NS Weymouth CBAF-2 AM replaced by CBAF-
FCC proposed rules which the NAB fears could
lead to brokerage in the AM spectrum, AM
stations could resort to such things as power
reductions or changes in tower locations. Stations
could turn in their licenses and nobody else
would be permitted to use the spectrum thus
given up. One station could buy out another,
thereby reducing interference in the spectrum.
Another idea, by the AM Futures Retreat, held
recently at NAB headquarters in the DC, is for
Congress to mandate AM-FM capability in all
receivers, local AM carriage on cable systems
when FM's are carried, minimum technical
standards for carriers, and the availability of
external AM antenna jacks. The AFD-FM idea
sounds like something from the Ph.D. research
in 1970; this time, however, it's probably designed
more to help AM than FM.
"I am looking forward to FM Atlas-12, because it
comes in handy when travelling."

SCServices, 67 and 92 kHz

(Selected; more are in FMedial)
AZ Tucson KUAT-FM *90.5 1T, "Sun Sounds"
FL Miami WLYF 101.5 1C, 67, carrying
co-owned WWSW 790 South Miami (news-
talk) on SCA. Probably to reach area cable
systems, especially in areas off the directional
beam of WWSW.
IA Grundy Center KGCI 97.7 1A. ABC network
leader, 67, still "FM-88"
KS Hays KJLS 104.3 no SCS (had 1X, 67)
KY Paducah WKYU 93.3 1S, sports and special
services, 67 kHz
MA Medford-Boston WXXS-FM 107.9 1E Chinese
92 kHz, in addition to 1Q, medical news, 67

MN New Ulm KXLP 93.1 back on with 1X, 67
RI Providence WBRU 95.5 has 1W (NWS
weather, voice) in addition to reading to the
blind (1T), 67 kHz, after the reading service
ends about 7 p. m. daily. "Our 92 kHz SCA
recently became available, and we are interest-
ed in accepting offers. I have enclosed a 1
m/v/m contour coverage map to show our
excellent coverage of Rhode Island and
southeastern Massachusetts. We have a com-
petent staff engineer who will keep the SCA
generator and our transmitter working well.
In the event of a failure, we also have a
20,000-watt auxiliary transmitter to ensure
continuous broadcasting."
WI La Crosse WSPJ 95.7 1X 67; rm on main
carrier, "FM-96"
ON Toronto CIUT *89.5 Korean, from 1200 to
1900; "rest of time Dow Jones and Reuters
financial news data," presumed to be 92 kHz.

FM Translator Abuses

(see this feature in FMedial)
Also, look for FM Rulemakings Filed, Proposed
and Granted there

Other Small-Print Happenings and FM Industry News

FCC grants Class C3 stations in Zone II,
having up to 25000 watts at up to 100 meters,
giving a primary signal up to 39 km, the same as
Class B1 for Zone I. However, the FCC deferred
raising the Class A limit from 3 to 6 kw, saying
that more technical study of the proposal is
needed. It also ended the proceeding to designate
its algorithm as the official standard for calculat-
ing FM and TV distance propagation predictions.
The FCC had doubts that the proposal could be
economically implemented on the type of
personal computers used by applicants and their
consultants.
AC Christian format continues to grow,
with WLTV 106.7 Des Plaines IL the latest
convert. Big guns in the industry are KCMS
105.1 Edmonds-Seattle, KOJ 94.1 Fort Worth-
Dallas and KYMS 106.3 Santa Ana CA, from
which the mighty winds blow. NRB's ac-
Christian radio seminar now draws some 250-300
broadcasters annually, a growth rate of 8 to
15% a year.

"Religious Broadcasting" magazine did a
survey of wages in the field among FM stations
with the g format (educational or commercial),
and found the average salary for general managers
was \$31,300, chief engineers, \$22,930, news
directors \$17,260, music directors \$16,460,
production managers \$15,540, and office man-
agers \$14,050. "Part time wages ranged widely
from minimum wage to \$8.00 or \$9.00 an
hour. The averages, though, were \$5.60 an hour
for announcers, \$5.31 an hour for clerical or
bookkeeping and \$4.58 per hour for control
board operators."
FM in Australia now commands 35% of the
total radio revenues, compared with a 1980
share of just six percent. That's with much
fewer FM than AM stations in a country, whose
modern FM history is only about 15 years
young.
On April 7 the NAB filed its petition with
the FCC opposing directional antennas as an
allocations aid in FM. A broadcaster writes:
"With the FCC permitting so many 80/90
drop-ins and upgrades, and now allowing limited
'move-ins' and short-spacing, I fear that the
NAB's prediction for the 'AM-ization' of the
FM band may have some validity. For example,
I helped to put WBXQ 94.3A Cresson PA on
the air in late 1981. At that time, we were
'squeezed' a little on the west end of our
coverage area by adjacent-channel WWSW-FM
94.5B, but by no one else. Now I read in

FMedial where the FCC is allowing WQYX
93.5A Clearfield PA to upgrade to 93.9B1
(which itself will be troubled by WBZZ 93.7B
Pittsburgh), granting WKBE 94.7A in Patton
PA, and even giving State College PA a drop-in
channel, 94.5A. This last action is truly amazing
to me, since WBXO is listenable in State
College, and I even remember students listening
to WWSW-FM 94.5 (then WPEZ) over the air in
the Penn State dorm rooms, circa 1980!

"I think the danger in these allocations is
that, some years from now, what the NAB
predicts could indeed come true; one might be
able to drive only 5-7 miles in any direction
from a Class A FM transmitter site before
experiencing unlistenable interference from a
co-channel station (due to 'capture ratio') or
adjacent-channel station. Is this last great rush
for FM frequencies the boon, or, ultimately,
the bust?"

From the classifieds: CE for Las Vegas FM,
high power AM, resume to Box 14805, ZIP
89114, EOE.

Want to buy KLIH 21 FM table radio from
'60s, also old German table radios. M. Otsuka,
Box 374, Springfield VA 22150; 705-643-2775.
Graphic artist at Family Life Radio, KFLR-
FM *90.3, to design brochures, mailing pieces,
newsletters, etc. Write 7355 N. Oracle, No. 200,
Tucson AZ 85704, or call (602) 742-6976.

FM Atlas-12 has just been mailed to the
printer. It is 16 more pages than its predecessor,
192 pages, and I will be keeping the price the
same, \$9.95, but raising the shipping charge to
a \$1.05 per copy. During the process, the
printer broke down, and IBM had to come out
and replace the motor. Repair charge will be
about \$600, plus down time of about 12 hours,
during which I typed some of the data manually
on a stand-alone IBM Computer, reading the
information from the computer screen. FMedial
has been delayed about 10 days because of time
needed to get the book ready for printing; the
printer is Thomson-Shore, Dexter MI, with
books to be ready in about six weeks. Don't
order yet. Perhaps next month I will encourage
advance orders to come in, or you might just
want to be notified by post card when the
books have actually been delivered to our
property. Copies have been made of all pages,
just in case the manuscript should get lost in
the mail.

FM Forum CONTRIBUTIONS FROM READERS

You can advance order the FM Atlas,
contrary to what the previous paragraph says.
Just expect a delay for us to get our hands on
the books.
"Classical FM," writes former WFDEA member
Mike Dorner, Jr., "KIWI Bakersfield, des-
cribed recently in FMedial as 'doing quite well'
is being sold to Spanish KWAC there. Will the
classical format continue? Classical left WMPK
Harrisburg when it recently became WHSC,
'Kiss 95 FM." A group called Classical Radio is
one of the applicants for 97.1CZ Cleveland
(Houston) TX. A new classical station is planned in
Pasco-Kennewick-Richton WA."
Note that the ex-owner of KRNS-FM Los
Alamos NM is buying KKSZ 101.1, the new
White Rock NM rd, with studios in Los
Alamos. "Let me tell you, KRNS-AM-FM were
class operators back in the '50s, when I lived
in Santa Fe. The Los Alamos stations were the
only ones in the Atomic City, which had only
recently been opened to the public. Large areas
of the reserve were still closed to the public,
however, and many a sign would dot the road
through Los Alamos warning drivers not to
venture the side roads that slipped down shady,
cool canyons. The AM and FM ran together
until 7 p. m., when KRNS-FM programmed
classical music. At the time, KRFM Albuquerque,
which prided itself on being the nation's
smallest market classical music station, could
not be heard in that marvelous town, Santa
Fe."
731v. [Signature]

QSL CORNER AND LOGOS RUN

THOMAS J. YINGLING, JR., KA3TCC
221 PINE WOOD ROAD, BALTIMORE, MD 21222 2345
PHONE # 301 282-5649

IN WMEE 97.3 Port Wayne, 2915 Naples Rd., 46816. Letter and coverage map in 16 days from James A. Eberhart, CE. Mentions they are adding 220' to their 500' tower. (Falconer)

MI WBCN 100.1 Hastings, 119 W. State St., 49058. Letter and coverage map in 26 days from Paul Ballinger, Operations Director. (Falconer)

MI WBLV 90.3 Twin Lake, Route 2, 49440. Letter and coverage map in 12 days from Denison Hansen, Technical Director. (Falconer)

MI WCMU 89.5 Mount Pleasant, Central Michigan University, 3965 Broomfield Rd., 48859. Letter in 12 days from Randy Kapenga, Director of Technical Services. (Falconer)

MI WDEY 103.1 Lapeer, 286 W. Nepressing St., 48446. D.R. Somerville, GM signed and returned my report, 11 days. (Falconer)

MI WFUR 102.9 Grand Rapids, 399 Garfield Ave., Box 1808, 49504. Letter and coverage map in 16 days from William E. Kuiper Jr., CE. (Falconer)

MI WCVU 88.5 Allendale, 301 W. Fulton, Grand Rapids, MI 49504-6492. Letter and coverage map in 24 days from Sam Eiler, Mgr. (Falconer)

MI WJIM 97.5 Lansing, Box 30124, 48909. Letter in 9 days from Ted K. Franz - K8LHT, CE. Also sent lots of technical info (antenna specs, frequency measurement info, etc.). (Falconer)

MI WNFA 88.3 Port Huron, Box 123, 2865 Maywood Dr., 48060. Friendly hand written letter, technical info, and map in 29 days from Ed Czelada, CE. He is also CE at WDEY 103.1 and WBCM 1440. (Falconer)

MI WRIF 101.1 Detroit, 20777 W. 10 Mile Rd., Box 5097, Southfield, MI 48086-5097. Letter and coverage map in 2 weeks from Fred Miller - N8GWA, CE. (Falconer)

OH WAUP 88.1 Akron, University of Akron, 302 E. Buchtel Ave., 44325-1004. Letter and coverage map in 4 weeks from Blake Thompson, CE. Mentioned they are increasing ERP to 3300 watts directional South and adding 12.5 metres to HAAT. Also mentioned my report is farthest North. (Falconer)

OH WKKJ 93.3 Chillicothe, Box 244, 45601. Letter and 3 coverage maps in 28 days from Malcom L. Porter, CE. Is 50000 watts not 20000 as in FM Atlas. (Falconer)

OH WOSU 89.7 Columbus, Ohio State University, 2400 Oletangy River Rd., 43210. Card and bumper sticker in 18 days from Larry Reynolds. Said my report is farthest so far this year. (Falconer)

OH WOIL 106.3 Ottawa, 148 Court St., 45875. Hand written letter with coverage map in 19 days from Kent D. Smith, GM. (Falconer)

OH WYSU 88.5 Youngstown, Youngstown State University, 44555-0001. Letter, bumper sticker, and beautiful coffee mug (\$3.70 postage!) in 3 weeks from Robert W. Peterson, Director. (Falconer)

PA WFSE 88.9 Edinboro, Edinboro University, 16444. Letter, 4 info pamphlets, balloons, bumper stickers, and Tee shirt! in 13 days from Dr. Gary A. Christiansen, Faculty Advisor and Kimberly A. Woodie, Special Services Director. (Falconer)

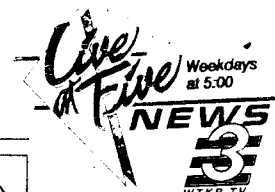
WV WZMM 107.5 Wheeling, Box 6273, 26003. Letter in 9 days from Jack Rees, CE. (Falconer)

ON CICO18 ch. 18 London, TV Ontario, Box 200, Station Q, Toronto, ON M4T 2T1. Letter, coverage map, program listing, and copy of CRTC logging info in 8 days from A.R. McGregor, Acting Director of Operations. Returned my SASE. (Falconer)

ON CIUT 89.5 Toronto, University of Toronto, 91 St. George St., M5S 2E8. Letter, card, coverage map in 17 days from John Kay - VE30BP, CE. Mentions ERP of 15000 watts and 4 bay antenna at 267' HAAT. (Falconer)

QSL CORNER/LOGOS RUN

May 1984



They're YOUR Friends

Making you an eyewitness to news... whenever news happens!

WHERE TO FIND NEWS ON CARLS - ANNAPOLIS 55 - ANNE ARBOR 28 - BALTIMORE CITY 64 - BALTIMORE CO. 33 - BANGOR 10 - BALFOUR CO. 8 - BOWLING GREEN 35 - BOSTON 10

Have your way everyday.

A Price Communications Corporation Station

This month we have a new QSL reporter of Jeff Falconer, VE3LSK of Clinton, Ontario Canada. Thanks a lot. I used your report direct, and don't have to retype a thing. Also this month I got some more tv id logos. I'm got some fm logos in the mail, and don't know yet how to use them. If you have any ideals, please write. On the question I asked back a few months on what & how you report to stations for a qsl Jeff tells what he does. He says he includes a SASE with every report he sends, and also mentions his ham radio call, since many CEs are also hams. Also Jeff is looking for the address for the following stations: WBUF 92.9 Buffalo, NY; WBTU 93.3 Kendallville, IN; & WRQN 93.5 Bowling Green, KY. The Post Office return then as "Address unknown". If you can help, write to Jeff Falconer at Box 63, Clinton, ONT NOM 1L0. Well, thats all for this month, as I'm going late on getting it typed up, and in the mail. Remember send in all you qsl items, logos, info on how you send report for qsls, what stations you find don't qsl or had trouble getting a reply from, and any other this you can send in. 73's for now.

PHOTO NEWS

MAY 1989

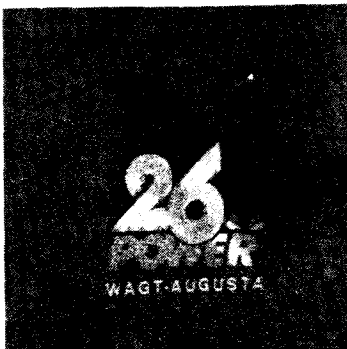
These are the final photos sent in by Bill Eckberg - Dixon, Illinois. Bill uses a 1966 Zenith b&w receiver model CH 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna, Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamp on a 40 foot tower.

Mailing Address:

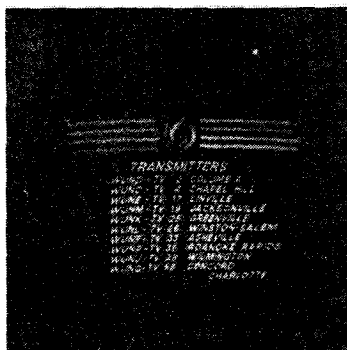
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EDITED BY
David J. Nieman

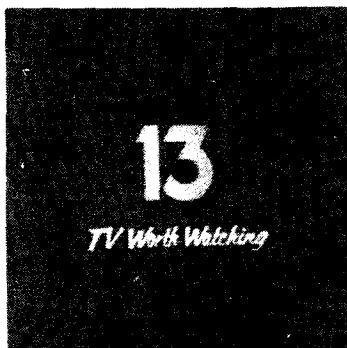


WAGT-26
Augusta, Georgia
695 mile tropo
seen Sept. 8, 1988
at 0450 CDTime



WUNF-33
Ashville, N. Carolina
558 mile tropo
seen Sept. 8, 1988
at 0535 CDTime

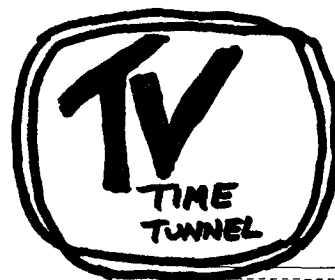
"slide shows transmitter location of all N. C. educational stations"



KERA-13
Dallas, Texas
738 mile tropo
seen Sept. 27, 1988
at 0225 CDTime
"slide on all nite"

Thanks to Bill Eckberg and all others who have contributed photos to this column over the past few months. You make this column possible.

Till next time... DAVE



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

Since there seems to be some interest in tv happenings through the years, as well as DX-ing 30-35 years ago; I thought I'd invite you to journey with me through the "TV TIME TUNNEL"!

No early DX this time, rather a scene-setter from my home state of North Dakota. I lived in a small town (Napoleon) and when tv arrived in 1953 I was thrilled to discover that a lot of far-away stations popped in from time to time on the low VHF channels. Now and then there was even activity on 7-13. I didn't know about Es or Tropo...just that all this stuff was pretty exciting to a teenager who was just getting started in the ham bands as W0KLP. The TV-DX bug had bitten and next time I'll get into some of that.

A CAPITOL IDEA

To the best of my knowledge no State Capitol Building other than the 19 story structure in Bismarck has ever housed a tv transmitter, antenna and primary studio facilities. Not one, but TWO stations used the 'prairie skyscraper' at the inception of their operations.

In 1953 KFYR-tv (channel 5) became the first occupant of space on the 19th story observation deck of what at the time was the tallest building in the state. If memory serves correctly they had a 2-bay RCA Superturndstile antenna on the roof of the building almost directly above the transmitter. This operation continued for about a year at which time the channel 5 transmitter was moved to the KFYR Radio transmitter site 10 miles east of the city and about 2 miles north of Menoken. At that time ERP was upped from 10 KW (approx.) to 100 KW visual and 50 KW aural; [1/2 visual output was common for aural power in those days] and the tower height was just shy of 600 feet. Later the site was changed again and the present 1101 foot tower is perched atop a ridge of buttes overlooking the Missouri River about 15 miles south of the city.

Shortly after KFYR-tv vacated the Capitol transmitter site KBMB-tv (channel 12) [now KXMB-tv] moved in. The main difference was that channel 12 set up the entire station...film chain, studio camera and control console! Quarters were cramped. You could hear the blowers from the transmitter cooling system whenever a mike was opened. The set consisted of a desk, which I am told was so badly burned into the image orthicon camera pickup tube that it could be clearly defined (probably a negative image even when the desk was removed from the tiny studio! KBMB-tv left the Capitol less than two years after their 1955 sign-on. The studio was moved before the transmitter...first to an abandoned warehouse south of the business district; and later to a new building specifically designed for the station; and at which point it was re-united with the transmitting facilities. The transmitting antenna has since been removed from that site, but the tower is still in place on North 15th. Eventually the transmitting facilities including a new 1204 foot tower moved to the buttes near St. Anthony.

Newer additions to the Bismarck 'antenna farm' are Prairie Public's KBME-tv (3), and the WDAY [Fargo] owned KBMY-tv (47). Recent news from FCC proceedings indicates that KBME is planning to leave the high ground and move it's transmitter to a lower elevation ESE of Bismarck.

A BETTER UHF DISH FEED?

by Bill Thompson

For years, TV DX enthusiasts have been trying to "re-invent" the UHF parabolic dish for DXing. Most of us seem to agree that a dish works best for DXing the entire UHF TV range, but have also learned that commercially available dishes, due to their broadband coverages, are compromises. Without doubt the most popular UHF TV parabolic dishes are those made by Channel Master and Antennacraft. The problem, in the eyes of diehard tinkers, is that the 300-ohm feed sections of the CM and Antennacraft dishes are poor choices. That's too bad, because it's hard to have really effective results DXing low-power UHF translators and sorting through heavy co-channel interference with most other types of UHF antennas, many of which work well in a certain portion of the band, only to "roll off" in gain much too rapidly at one end of the spectrum or the other.

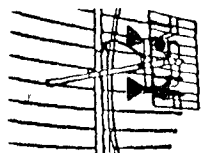


Fig. 1
Channel Master
2-bay feed



Fig. 2
Antennacraft
folded dipole feed

The Antennacraft dishes known as the P-5 (5') and P-7 (7') are currently available, and use the same designs as the old Finco parabolics. They employ a 300-ohm "folded dipole" feed section. The "Finco feed" is nothing more than a simple three-element yagi antenna (Fig. 1). Essentially, these feed sections were cut for the middle of the UHF TV spectrum, around ch 32. The P-7 employs a screen reflector on the feed, and the P-5 (which is a scaled-down version of the P-7) feed only has a single reflector element. TV DXers using these dishes were often disappointed in their poor performance at the bottom end of the UHF band. This is especially true of the P-5. I can recall once doing an informal "A-B" test between a P-5 and a cheap 4-bay UHF bowtie--the 4-bay performed visibly better from ch 14 to about ch 20 (though it could not match the sharp nulls available from the P-5). These dishes are noted for great performance on chs 50 thru 69, and on the now-defunct "old" translator channels 70 thru 83 (where a few "Grandfathered" relays still operate!).

Channel Master's UHF dishes use a two-bay bowtie (with screen reflector) for their 300-ohm feed sections (Fig. 2). This results in a dish that performs better on the low end of the UHF TV range, but perhaps not quite as well as the Antennacraft on the highest channels. Some have claimed that the nulls on the CM dishes are not quite as sharp as the Antennacrafts' on the middle and higher UHF channels, but I don't believe that there's really all that much difference. Channel Master's feed does maintain a better match (ie: something closer to 300 ohms than Finco's) across the entire ch 14 to 83 range. That's a definite plus.

In the mid-70's, a Canadian company came along with an innovative dish feed section that seemed to solve many of the problems that Finco and Channel Master feeds posed--and their approach was logical. Delhi Antennas of Ontario designed a 300-ohm log-periodic feed section that maintained a better match across the UHF TV range. Delhi simply took the Finco dish design and installed their own "loop" feed (Fig. 3). After a 1973 VUD article by Toronto DXer Mark Lewis, several avid TV DXing WTFDAers obtained Delhi dishes and saw for themselves the effects of the improved design. Depending on the channel, the Delhi feed produced anywhere from 1 to 4 dB more gain. However, some skeptics balked, despite favorable comments from several satisfied users. The increase in gain may be noticeable, but a few of the club's technical wizards felt that the real drawback was that it's still a 300-ohm feed section. This means that those who use 75-ohm hardline (which is preferable to even the best 300-ohm lead in most practical applications) must also use a balun--a 75/300 ohm matching transformer.

If you've had any experience trying to improve a UHF TV DX system, you may have noticed that taking measures to decrease signal loss in the path from the antenna terminals to preamp to can pay off in a big way. One or two dB of loss doesn't seem like much--but as they say, it all adds up. With the unpredictable UHF loss of many baluns, it adds up very fast. Sometimes, two seemingly identical models of the same manufacturer's balun will show visible differences in loss. Discouraging, to say the least, and a problem that makes you want to eliminate them from the system whenever possible.

A BETTER UHF DISH FEED?

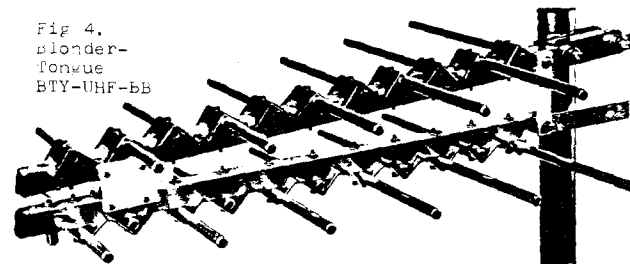
As commercial UHF preamps improved, the best designs tended to be found only in 75-ohm versions (a preamp such as Winegard's PA-4975 is a good example of this). If you use a dish with a 300 ohm feed section with such a unit, that balun at the antenna terminals ahead of the preamp costs you a "real-world" loss of between 1 and 2 dB before the output of the dish even gets into the preamp--a purist's nightmare! What's needed is a true 75-ohm feed section, and something that provides reasonably flat response across the entire UHF range. Such a feed would also allow you to use a 75-ohm UHF single channel trap to attenuate a strong local ahead of the preamp. As with preamps, you will find that the more effective UHF traps tend to be 75-ohm versions.

There IS a commercially available UHF antenna that would seem to lend itself to this application. Pictured below (Fig. 4) is the Blonder Tongue BTY-UHF-BB UHF Broadband Antenna (#4875). As with most of Blonder Tongue's products, it's really "professional grade--intended for use in a MATV or small CATV headend. It has a male "F" connector built into it! The BTY-UHF-BB has been on the market in its current form for at least a couple of years now, and is very good example of a practical application of the log periodic principle. The Delhi parabolic dishes proved that the log-periodic feed is a good idea for true broadband performance--claims of increased forward gain on the Delhi dishes were verified even by some of those DXers who were initial skeptics.



Fig. 3.
Delhi "loop"
feed

Fig. 4.
Blonder-Tongue
BTY-UHF-BB



The log-periodic antenna principle requires that many elements be used, each resonant to a part of the range of frequencies covered. It's used for designing true broadband antennas, and results in an antenna that will have a much "flatter" response over the range of frequencies in concern. This particular version of log periodic antenna is cut for 470 to 890 MHz. B-T claims gain of 8.0 dB (as compared to a half-wave dipole, the reference standard) in this range, with a flatness of 2 dB. The flatness claim, if indeed true, is excellent--much better than the sharp roll-offs characteristic above and below the ch 32 center of the Antennacraft feed, and the "fuzzy" response some claim to be a trait of the Channel Master models. In short, this antenna should make for a considerable better feed for a dish--in theory.

The BTY-UHF-BB features 11 elements and is two feet long, and just over 4 inches high; and it weighs 2 pounds, eight ounces. It is normally intended to be mast mounted by itself or onto the front of B-T's model 4874 broadband VHF antenna.

What remains to be seen is how well a Blonder-Tongue BTY-UHF-BB can be made to work as a UHF dish feed section in actual practice. There are two major drawbacks. The first one presents a puzzle that will need to be solved carefully if the basic specifications (especially the 75-ohm impedance) of the antenna are to be maintained. This problem is mechanical in nature; mounting the BTY-UHF-BB to the feed boom of a parabolic dish will not be as easy as it looks. It's 75-ohm impedance depends upon the dimensions and spacing of the double boom. The elements must be clear of whatever is used to support the antenna--experimenters may want to use PVC pipe, or even wood, to mount it in the focal point of the parabolic dish.

Oh yes--I mentioned two major drawbacks. The other drawback? The price. Blonder-Tongue equipment has never been cheap--the "pricey" nature of their entire line of product has caused many dealers to drop their products, despite their high quality. Would you pay \$150 for the BTY-UHF-BB? That is roughly what Blonder-Tongue is asking. Nevertheless, the specifications and construction of this antenna have whetted the curiosity of some of us. I know of one enthusiast who may yet try a BTY-UHF-BB as a dish feed section--hopefully, he'll report his results to the VUD in the near future. If the antenna experimenters among us are correct, this may well be the ultimate UHF dish feed!

WTFDA CONVENTION 1989

WELCOME TO SYRACUSE! There is much to see in the Central New York area including Syracuse University and the Carrier Dome. Other interesting sights include the Salt Museum, the Everson Museum, and the Erie Canal Museum. We also have a local AAA baseball team, the Syracuse Chiefs. There are many fresh water beaches near by, so bring your swimwear, it could be a hot one. Oneida Lake County Beach is within 5 minutes of the convention site.

AGENDA

FRIDAY, AUGUST 4th:

- * Convention opens at 5:00 pm.
- * The evening will feature DX, viewing video airchecks, promotion trading, and open flea market. (This will continue through out the weekend)
- * Dinner will, not be served on Friday evening, however there are many restaurants within walking distance.
- * Convention closes at 11:00 pm.

SATURDAY, AUGUST 5th:

- * Convention opens at Noon with lunch.
- * The afternoon will feature optional tours of local stations or remaining at the convention site for more DX & trading.
- * Dinner will include a catered barbeque outdoors. Dinner will be served at 6:00 pm.
- * Tech talks will follow dinner.
- * Convention closes at 11:00 pm.

SUNDAY, AUGUST 6th:

- * Convention opens at Noon with a hot lunch.
- * DX, video aircheck viewing, promotion trading and flea market will continue.
- * Convention will close at 5:00 pm .

Any member wishing to record tapes are required to bring their own Video Cassette Recorders or Cassette Recorders. We will not be responsible for any personal property, however, that is brought to the convention site. Members are responsible for their own lodging accomodations. If you would like a list of local hotels and rates please send a self addressed stamped envelope to Bill Kretschmer.

CONVENTION 1989 CONTINUED

The fee for the convention this year will be \$35.00 per person.

This registration fee includes:

- * 3 meals
- * Open Flea Market
- * Optional Tours
- * Promotion Trading (including t-shirts, stickers, airchecks, etc)
- * Video Aircheck Viewing
- * DX
- * Tech Talks & MORE!!!

NOTE: Registration fee is non-refundable

The deadline for the registration fee is June 1, 1989. We are aware this is a little bit earlier than usual, however, my wife is due with our first child a few weeks before the convention and we need a few extra weeks prior to prepare as we will be very busy in July. Please send a check or money order payable to Bill Kretschmer along with the registration form below to:

Bill Kretschmer 104 Kopp Avenue, N. Syracuse, New York, 13212

YOU MUST PRE-REGISTER TO ATTEND!!!

CONVENTION LOCATION:

The convention this year will be held at our home in North Syracuse, New York. For those members who will be flying into the Syracuse Airport, we are located within 5 minutes of the Airport. If coming by car, Take the New York State Thruway to Exit 36, then North on Interstate 81 to Exit 29 north to Route 481 to Circle Drive & US 11. Take a left on circle Drive to first light then left on US 11 to first left which is Kopp Avenue. Kopp Avenue is directly adjacent to Red Lobster, and next to Dunkin Donuts. We are currently trying to arrange ample parking for those who drive. If you run into any difficulty finding the convention site, please feel free to call Bill at (315) 458-7924.



FILL OUT FORM
AND DETACH ---
MAIL TODAY!!!



Time is running out!
Convention Registration
is DUE BY JUNE 1st!

HURRY!!!

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXERS IN: Canada, ME, NH, VT, MA, RI, CT, NY, NJ, PA, OH, MI, IN, IL, WI, IA, MN, ND, SD, NE, MT, WY, ID, WA, OR, AK, and, HI

MAY 1989

DEADLINE: THE 5TH

A very interesting March for DX...many people caught the March 13 E-skip that was likely caused by a huge solar flare. Many also saw the brilliant display of Northern Lights during that week. If you had DX that week, or any other week, please do send it in!.....

MORRIS SORENSEN - P.O. BOX 422 - PORT CARLING, ONTARIO M0B 1U0

EQUIPMENT: Sony ICF-2010, whip

MARCH 1989

- 13 Es (possibly auroral induced) (likely-gc)
1838 KCND 90.5 ND Bismarck, ND state news, business news, etc. ment downtown Bismarck
1855 WCMPt 92.1 MN Pine City, sounded like mention "WCMP" radio, cover-all bingo by man under unID rocker-CITI Winnipeg?
1859 CBON20t 89.3 ON Thunder Bay, CBC French, local ID if any not heard, would have been nice to log my own province on E-skip!
1900 KCCM 91.1 MN Moorehead, ID, regional news (note I wrote this in 90.1 but I must have been mistaken)



1748 WEST KATELLA
ORANGE, CALIFORNIA
92667
an interstate
broadcasting
systems station

Note: Correct calls for K-106.5 Owen Sound, Ontario, is CIKK, not CIKX as I reported earlier. The March Es opening took me completely by surprise. My only previous March Es was back in 1981 from Armaranth, Manitoba and it also seemed to have been auroral-induced skip.

73
Memo Saul

SAUL CHERNOS - P.O. BOX 601 - ORILLIA, ONTARIO L3V 6K5

Just a short note this time. No DX to speak of, but then again I haven't been to Burnt River in months except to check for damage following a winter storm and to retrieve a bathing suit for a Florida holiday. No set-up in Orillia or Toronto-I won't bother until May. I did note CJRT 91.1 Toronto, Ont. was in, somewhat weaker, on 89.9 (certain), and 92.3 (pretty certain) (it was 92.3-gc) in late December 1988. In Toronto Dec. 27, I noted it on a digital stereo set at 89.9; I never thought of checking 92.3 until heard accidentally on car radio as I was leaving town that evening. I'm pretty sure of the 92.3 frequent, though car radio is cheap and hard to be positive. I thought the two signals were images at least until they remained, in good quality stereo, as I left town. Signals were weak, occasionally strong enough for stereo, but much faded by the time I reached Orillia, a 1 1/2 hour drive straight north. A few times they were in better than 91.1, CJRT's regular frequency. A few days later in Toronto, no sign of the two signals. Haven't had a chance to call CJRT. 89.9 has had a pirate, at times, but I doubt these are pirates. (They were transmitted images. A few days before you noted them they were on 91.9 (very strong in Clarence), 92.7 (weak) and 90.3 (weak). Then those disappeared, but the ones you noted appeared, strong here on 92.3, weaker on 89.9-gc). In other news, no sign of CJBC French stereo station on 90.3 during my trips to Toronto. It's March 15 as I write this. No DX (FM) in FLA, too busy at the beach and at Grapefruit league baseball. Lastly, great Auroral DX March 12-13 overnight (There was some good Es induced by that aurora as well-gc). My flight from Palm Beach FL arrived Toronto midnite. The drive up north was filled with DX, nothing I'ded for certain. Even better though was the visual stuff, and I don't mean TV. The crimson red streaks in the sky were more colorful than I've ever seen before. Too bad I was busy talking in the plane! I'm told the northern lights were visible in Bermuda, Texas (north part). (The lights here were more brilliant than I've ever seen them. They were bright blue and red, and they extended so far up that they were even directly above me!-gc)

73s to all, Saul

24

NORTHERN FM DX

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO N0M 1L0

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

FEBRUARY 1989

- 2 TrS
0201(WMZX)103.9 MI Owaso, ex: WOAP
0245 WBLV 90.3 MI Twin Lake, 1
1340 WZFM 94.3 unid here with ant NW.
1529(WGFM)105.1 MI Cheboygan, ex WMLZ
1636 WKKR 95.3 OH Norwalk, ID
1700 WPHN 90.5 MI Gaylord, c
1701 WOLW 91.1 MI Cadillac, c same as WPHN
3 TrS
0137 CBBF 103.9 ON Peterborough, CBC pgm
0152 WCPZ 102.7 OH Sandusky, r cut up by WKSG
1518 CBON 98.1 ON Sudbury, CBC FF pgm
1558 WVNP 89.9 WV Wheeling, ID
1624 WBFO 88.7 NY Buffalo, J, logging #500 (Congratulations-gc)
1639 CKAT 101.9 ON North Bay, weak ID, c
4 TrS
1500(WBMW)107.7 NY Weathersfield, ex WBYR, nov "The Wave" (new age music-gc)
1851 WOVK 98.7 WV Wheeling, c mixing with WLLZ and CBCB (by c, do you mean country? country's symbol is "k"-gc)

6 TrS

- 1630 WSHH 99.7 PA Pittsburgh, Wish ID
1723 WQED 89.3 PA Pittsburgh, c
1743 WPIT 101.5 PA Pittsburgh, g

8 TrS

- 1045 WDSY 107.9 PA Pittsburgh, c, must have been a pipeline to Pittsburgh!
1156 WBYR 98.9 IN Fort Wayne, r, Fort Wayne's Bear (city of license is Van Wert, Ohio-gc)

1623 WAPS 89.1 OH Akron, p

9 TrS

- 1438 WRSW 107.3 IN Warsaw, ID, weak
1443 WFRN 104.7 IN Elkhart, c, mixing with WKJC
1458 WEND 88.9 IN Notre Dame, c, ID
1622 WLKI 100.1 IN Angola, local ads
1630 WYEZ 100.7 IN Elkhart, w, poor w/WITL.
1715 WKQZ 93.3 MI Midland, r, ex: 93.5

10 TrS

- 1411 WKKC 99.9 PA Erie, poor in CFGX null
1437 WFRQ 99.1 OH Fremont, ID
1911 WRDL 88.9 OH Ashland, poor with WFSE

11 TrS

- 1935 WPKQ 98.3 OH Bellefontaine, ID
1940 unID 98.3 ?? Pittsburgh Penguins Hockey Network

12 TrS

- 1713 WGSY 98.3 MI South Haven, Cozy 98 ID

FEBRUARY 1989

- 12 TrS
1721 WZZY 98.3 IN Winchester, vx for Muncie
1842 WJMR 98.3 OH Fredericktown, ID
13 TrS
1215 WEEC 100.7 OH Springfield, ID, g
17 TrS
1539 WWSN 107.7 OH Dayton, r
1613 WAMQ 105.9 PA Pittsburgh, ID, WJZZ nulled
1621 WYDD 104.7 PA Pittsburgh, Power 105 IDs, r
1654 WZOO 102.5 OH Edgewood, 102 Zoo IDs, r, newish station.
18 TrS & MS
1017 CBAF 98.3 NB Moncton, 15 sec burst, 2 men talking in French.
1336 WQIO 93.7 OH Mount Vernon, r mixing w/WJFM.
19 TrS
1202 WCMF 96.5 NY Rochester, weak with c
20 TrS
0125(WTLZ)107.1 MI Saginaw, ex WWSW
1443 CKQH 105.1 ON Peterborough, talk pgm
1526 CKLN 88.1 ON Toronto, p, good at times, 250 w
23 TrS
1729 WBNJ 89.1 IN Fort Wayne, c, ID
1526 WOSU 89.7 OH Columbus, c with WKSU.
24 TrS
1528 WDBA 107.3 PA DuBois, weak with ads, ID

MARCH 1989

- 1 TrS
1451 WKKJ 93.3 OH Chillicothe, c
1508 WBTU 93.3 IN Kendallville, ID surfaced o/WKKJ
3 TrS
1822 WGVU 88.5 MI Allendale, j
4 TrS
1540 WFUR 102.9 MI Grand Rapids, poor with pest WIOB with basketball game.
8 TrS
1601 WLNZ 92.1 MI St. Johns, Laser 92 ID
2306 WHHQ 100.5 OH Findlay, c in null of lcl CBBL
9 TrS
1746 WORW 91.9 MI Port Huron, good w/ p, 180 w
1832 WSGR 91.3 MI Port Huron, r mixing with WQLN, 120v per FM Atlas, 10v per NRC Address Book
11 TrS
1701 WUJC 88.7 OH University Heights, p mixing with CJOM and WBFO
12 TrS
0148 WRON 93.5 OH Bowling Green, r, New 93-Q IDs local CBCL completely off air, usually leaves open carrier on all night after 1 AM s/off.

Some nice tropo has been heard here despite the time of year (troposcatter can be very good in the winter; for some it can reach out to 400 mile reception daily-gc). The whole band was affected by the January 15 aurora but no positive IDs heard; just a tentative WORW, 91.9 MI. Ham radio contest was in progress at the time and stations were strong on 50, 144, and 220 Mhz bands. Looking forward to some good tropo when the weather warms up and some good Es wouldn't hurt either. (There has already been an Es opening, March 13. Let's hope this is a good sign!-gc)

STATION NEWS: WOKW 99.9 Cortland/Ithaca, New York has changed calls to WNYF. Their new slogan is Power 99.9. A new station is on the air in Fredonia, New York: WCGA 96.5 in stereo, and satellite adult contemporary. WYDD 104.7 Pittsburgh's new slogan is "Power 105".

25

FRED NORDQUIST - 7945 BOXFORD ROAD - CLAY, NEW YORK 13041

Equipment: Receiver - Carver TX 11A
Antenna - CM Stereo Probe 9 at 30' AGL w/CDR rotor
CATV 75 ohm coax line and home-brew band-pass filter.

Underlined new to log

JANUARY 1989

15 Au
1927 CJOM 88.7 ON Windsor, ID 350

16 TrS
2011 WXTR 104.1 MD La Plata, Extra 104 321

MARCH 1989

1 Au
(WEZG 100.9 off air due to tech difficulties)
2243 WHOT 101.1 OH Youngstown, r 271

1 Me
2253 unID 101.1 Missouri BKB

1 Au
2259 WUGH 99.7 MI Midland, g, ID, wx prev Tr 408

2300 WBRZ 100.7 WI Racine, ID 591

8 Au
1930 WNBI 90.1 IL Chicago, g, TC 592

13 Es 2043-2343 NB/ND/KS MUF: 103.5

2046 CHIQ 94.3 MB Winnipeg, *Q-94-FM*, r
Canadian ads 1103

2052 KZZY 103.5 ND Devils Lake, ID 1157

2029 KHHT 97.1 ND Minot, L&C with r 1265

2101 KRGQ 99.9 ND Minot, *Home of Rock and Roll* and ID 1265

2343 KQLS 100.3 KS Colby, ID/NX 1319

MARCH 1989

14 Au
2334 WBLV 90.3 MI Twin Lake, ID

19 GW
1859 WBRV 101.3 NY Boonville, AM/FM ID, CNN news, // WLLG program 47

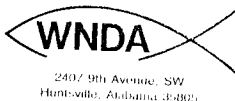
26 Tr
2150 WNYJ 98.3 NY Rotterdam, r, oldies, 50s 60s and 70s, ID 109

2155 WVKZ 96.7 NY Clifton Park, KZ96, lcl wx (NY #185) 121

2215 WNJX 106.7 MA Boston, ID, TC, m 263

27 Au - 1800 - No IDs

29 Au
2100 WJFM 93.7 MI Grand Rapids, ID 481



Totals now up to 1421. 1st quarter 1989 produced an interesting variety of FM DX, including Au induced Es, many days of Au Cx, and a lucky twist of events where NSPer WEZG-100.9 was off air after 2200 on 2/4/89 due to technical problems during an Au outbreak (I wonder if it was related to the aurora. My local satellite fed WBTF-101.7 also was going on and off during that auroral outbreak-gc). Am looking forward to the WTFDA convention to be held about 2 miles south-east of my QTH (at Bill Kretschmer's)...hope to see many of you on August 4th-6th this summer. 73-Fred.

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

EQUIPMENT: remains the same, couple of Pioneer TX-9500 tuners, etc.
From Bloomington, Minnesota

JANUARY 1989

3 MS
0400 KSFT 105.1 MD St. Joseph, k (prev. Tr)

0645 KYKS 105.1 TX Lufkin

3 Tr
0600 KGRD 105.3 NE Orchard, g

2000 KYRS 94.1 MN Atwater, 5-X SCA (67 khz)

4 MS
0300 KOZZ 105.7 NV Reno (Elving helped me pick this one out of the mess)

b Tr
2359 KDGL 95.1 MN Detroit Lakes (ex: 95.3)

MARCH 1989

7 Tr
1800 KZSE 90.7 MN Rochester, New mono MN public radio-talk (1380 watts)

1805 WSPL 95.7 WI La Crosse

1954 K269EC 101.7 MN Mankato (KEEZ 99.1 XLTR)

13 Au Es
1945 WEZF 92.9 VT Burlington, m (prev Es)

1948 WDWL 92.1 VA Chester, g (good signal for a class A)

We have had some Au activity in the past few days. Over the weekend, the low TV channels were full of auroral has, but no FM signals could be heard up north at the cabin. Finally the Au induced some Es on the 13th, and the east coast was skipping in with some fairly strong signals at times. My luck in getting IDs was not the greatest, as the Es would do some quick fading.

BILL NENAJADLY - 98 HIGHLAND AVE. - CLIFTON, NEW JERSEY 07008

MARCH 1989

5 Tr decent Tropo to S. Jersey

0030 WZZO 95.1 PA Bethlehem, ID stable!

1130 WQQQ 99.9 PA Easton, Strong

1150 WMLD 99.3 NJ Pleasantville, stable, ID

1151 WRDR 104.9 NJ Egg Harbor City, ID, good

1159 WSNJ 107.7 NJ Bridgeton, ID, fair

1613 WNNR 88.1 CT Monroe, o/WCWP, TrS mode

1655 WHPM 95.3 NY Southampton, Ex:WSBH, good

2104 WQSR 105.7 MD Catonsville, ID, TrS mode

2140 WUSL 98.9 PA Philadelphia, Power 99 ID

2201 WFLN 95.7 PA Philadelphia, ID, fair

6 GW and Tr
0608 WSHU 91.1 CT Fairfield, very good, local WFMU-91.1 off

1816 WCCC 106.9 CT Hartford, ID, fair

2101 WBSB 89.7 MA Boston, ID, fair

7 MS and GW
0733 KANUT 91.5 KS Lawrence, "...ll in Manhattan, 14 in Topeka, and so if your driving..." 10 second burst 1080

0749 WSHR 91.9 NJ Lake Ronkonkoma, ID, T40 mx 50

8 Tr/TrS
0047 WMVH 91.7 PA Allentown, (formerly tent.) 68

2230 WHMP 99.3 MA Northhampton, ID, TrS

9 GW and TrS
1816 WARY 88.5 NY Valhalla, ID, poor GW

1833 WFCR 88.5 MA Amherst, ID, TrS, clas. mx 137

10 TrS/MS/GW WNTI 91.9 off

0636 WGTG 91.9 MA Takoma Park, ID, clas. mx

0815 WDBK 91.5 NJ Blackwood, ID, TrS

0837 WUNC 91.5 NC Chapel Hill, "...WUNC..." 427

1736 WFGB 89.7 NY Kingston, ID, christian mx

1818 WKRB 90.9 NY Brooklyn, B-91, TrS mode!

1850 WVOG 95.9 NY Liberty, weak GW, T40 old

11 Tr/TrS
0323 WLWH 93.7 CT Hartford, ID, strong, no other Hartford's noted

0351 WSOU off, rare!

0353 WITE 89.5 PA Harrisburg, ID, classical

0355 WSCL 89.5 MD Salisbury, ID

0715 WCZY 97.7 NY Hyde Park, GW/fair, oldies

1810 WPEL 96.5 PA Montrose, ID, TrS mode

13 TrS and Es Es to Wis., Iowa, Minn. more?

0430 WNTX 96.3 MA Nantucket, Oldies 96, ID TrS, WQXR 96.3 off

1920 unid 88.1 French, very strong! (maybe Prince Edward Island? Here there was some Es to the East as well as out to the west: see my report-gc)

March 13, 1989 Es

1928 WNBC 102.5 WI Madison, ID 765

1933 KRRL 93.7 IA Carrol 1039

1940 KRVR 106.5 IA Davenport, ID 810

unIDs 88.9, 91.9, 94.1, 96.5, 99.9 all country!

93.7, 94.1 beautiful (Wisconsin?-gc), 93.3 Top 40, 99.7 AOR (Muscatine, IA?-gc), 105.7 AOR, 101.7 soft rock, 99.9 oldies, wow! 2000 Es GONE

2220 Es back Muf at 99.9

2223 KOWA 95.1 MN Worthington, ID KO-95 1057

2240 unid 89.7 classical mx wFMT strong!

2249 WKTI 94.5 WI Milwaukee, ID 698

2254 KCHA 95.9 IA Charles City, Super CHA northern Iowa ment (?-gc) 912

unid 93.7 ment a Reservation and Wyoming, but no Wyoming 93.7a. 93.7 beau., 94.1 country, 99.9 oldies most stations 40-55 dbs

14 Tr
0010 WKFM 104.7 NY Fulton-Syracuse, ID, rare! WSPK off for awhile 203

0015 WQHQ 104.7 MD Ocean City, ID, Q-105 188

17 Tr Good all around tropo, Atlantic City, Philly, Central PA good

2007 WBAZ 101.7 NY Southold, ID, strong 92

2020 WKCI 101.3 CT Hamden, KC-101, strong 87

20336 WQSR 105.7 MD Catonsville, ID, fair 172

2118 WQGL 98.1 PA Philadelphia, Ex:WCAU, rarely heard here 83

2153 WKRZ 98.5 PA Wilkes-Barre, ID, good!, finally! pos ID, KRZ-FM 92

18 Tr
0003 WRXQ 107.3 DC Washington, Q107, singal good, finally, 1st DC here! 207

20 GW and MS
0405 WVKZ 96.7 NY Clifton Park, Rare, WJAZ off ID KZ-96 ment 372-ROCK phone number Capital Cities Best Rock 143

0458 WVIA 89.9 PA Scranton, ID, WKCR off 86

0505 WRXR 96.3 SC Aiken-Augusta, "...KR forecast looking like..." local WQXR off 648

0508 96.3 many bursts! Top 40-country-classical easy listening. Earlier noted local WPAT 93.1 was up to 95 decibels!, now down to normal 65-85 dbs. My guess they were broadcasting from the AM Clifton facilities while maintenance was done in NYC. Also earlier 93.9 WNYC was off but no DX on 93.9 #9	!!

Mileage Calculations: Longer mileages, a "AAA" USA map was used with ruler and calculator with Paterson and Newark in between as listening point reference. Short mileages from "Travel Map Vision" Eastern section used. E-skip was great! Channel 6 had NBC program "ALF" clear! Didn't TV DX hardly, mostly on FM. I never seen E-skip come back as it did, real strange, and 107.3 went Ashtabula, Ohio (Maybe WNWV Elyria, Oh.. How far is that? I once heard E-skip only 420 miles away. Maybe it was aurora though-gc) The stations were strong and clear at best, maybe a hopeful sign things will get even better? Hope so! New tuner is very decent, I put it halfway between the GE Superradio and Onkyo. A lot of new stations logged because of it! I tried a 10 db amp (Radio Shack) bullet type but mucho overload, I wouldn't recommend this tuner in 50 kw or 100 kw areas, but here, 10 1/2 miles from NYC, it works decent, but I'm worried that the Class A's get to go to 6000 watts, then again I might have to upgrade to Onkyo. By the way Onkyo is \$750, the highest price I found to \$620 the lowest, I've been to quite a few stores too, and this area is supposed to be high discount area! When my antenna is pointed to NYC or even close local register up to 85 dbs. Away from NYC is 55-65 dbs. My major problem adjacents are 94.9, 97.3, 100.5, 100.9, 105.3, nothing heard but 30 db of splatter. SO I wouldn't say that its close to Onkyo but better that what I was using! WBJC

BILL NIENAJADLY'S REPORT - CONTINUED

91.5 Baltimore (when WNYE is off) is now considered a semi local at 174 miles! At times I have to null WBJC to WHOT in Brooklyn! During the recent tropo WAYV 95.1 has been in for 2 days at times! and getting as powerful as 50 db. Bandscan comment: Bandscans are more than just a great idea, they show what the potential for DX in an area is in the face of strong locals, it tells how good the tuner is with the locals and might inspire those other DXers to upgrade to better equipment. I am as other members are, quite curious to see what the other guy regularly gets and can't wait to see that Mount Washington bandscan! DXpeditions also promote interest, to the point that other members will do the same, to see that they get when they go to the same area. I would never have known about Nags Head, NC unless a few members went there. I might too someday go! Understand too DXers who have strong locals in their area have to go some distance to hear other stations. Bandscans and DXpeditions promote interest and inspiration to DX, so they're MORE than just a good idea, they're invaluable! Keep them and encourage them! P.S. Looking for unedited airchecks complete with jingles, commercials and music from WOR-FM NYC, 1969-1972

Good DXing, Bill

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212-1606

MARCH 1989

1 GW, TrS, AR, WEZG 100.9 N. Syracuse off!
 2236 WQIX 100.9 NY Horseheads
 2242 WCDD 100.9 NY Sidney
 2244 WHUD 100.7 NY Peekskill
 2246 WCBS 101.1 NY New York
 2252 WEAZ 101.1 PA Philadelphia
 2254 unID 100.7 WMSF Rock and roll to the WSW (likely-gc)
 2258 WHOT 101.1 OH Youngstown
 2259 CHEW 101.1 ON Smiths Falls
 2306 WBNZ 100.7 WI Racine-Milwaukee, ID (Auroral scatter)
 2312 CBF 100.7 PQ Montreal, TrS
 2 TrS
 2318 WQIR 101.1 NH Manchester, Rock 101
 5 TrS
 1006 WJOM 91.7 MI Ann Arbor, vx and ID
 2347 WHOM 94.9 NH Mt. Washington
 6 TrS WSGO 105.5 OFF
 0006 WLPW 105.5 NY Lake Placid, CHR, "The New Adirondack 105"
 0025 WBEC 105.5 MA Pittsfield, Rock 105
 0037 WVCR 68.3 NY Loudonville WAER off
 0100 WFCR 88.5 MA Amherst, sign off
 13 Es
 2033 KSD 93.7 MO St. Louis
 2044 CKIS 97.5 MB Winnipeg, 97 Rock Kiss FM
 2050 KIXR 100.1 OK Ponca City
 2053 KIZZ 93.7 ND Minot

March 13, 1989 Es

2102 KHHT 97.1 ND Minot, K-Hit 97
 2105 KFNW 97.9 ND Minot, o/98PXV
 2245 KHCD 89.5 KS Salina, over WUNY
 2247 KKEJ 90.1 MO Kansas City
 2250 KZOC 92.7 KS Osage City, Country K293
 2300 KYEZ 93.7 KS Salina, KY Country 94
 2309 KCPW 94.9 MO Kansas City, CHR Music Power 95
 2301 unID 95.5 Talknet
 2318 KSAJ 98.5 KS Abilene, oldies channel with local tags, same as WSEN-FM
 14 Au
 2016 WHBC 94.1 OH Canton, ID and b mx
 2022 WJPM 93.7 MI Grand Rapids, CHR
 19 TrS
 1548 WVIC 96.5 CT Hartford, CHR, mixing with WCMF Rochester.
 1550-1700 WHJY-94.1, WBLI-106.1, WALK-97.5 WHJX-106.7, WCDD-106.1
 1632 WREO 97.1 OH Ashtabula
 20 TrS
 1622 WESM 91.3 MD Princess Anne, WCNY-FM off
 1624 WUCI 91.5 NY Binghamton, weak, mix v/WXXI
 APRIL 1989
 7 GW (WNYF) 99.9 NY Cortland-Ithaca, CHR, Power 99.9 (ex:WOKW)

There wasn't much DX this month except for the effects of the intense solar flare. As/Es openings to Manitoba and North Central U.S. hit the area hard! My strongest listenable FM was KZOC 92.7 Osage City, Kan. The second strongest was KSAJ 98.5 Abilene, Kan., which had Bill Michaels on the air from the oldies channel. At that time I heard the same program (via satellite) on local WSEN 92.1 but with different local tags, neat! Another surprise this month was local WEZG 100.9 off the air due to X-mtr problems. Many thanks to fellow DXer and neighbor Fred Nordquist for letting me know they were off. Conditions that night were 'normal' with WHUD, WCBS-FM, WHUT signals in and out. Both Fred and I received (at the same time) WBNZ 100.7 Racine, Wis. via Au. I hope everybody will catch some good spring tropo! 73's Bill

Reminder: WTPDA's 1989 convention is to be held in August in Syracuse, New York. See your April and May VUD's for more details.

GUS MANCUSO - 5615 INWOOD STREET - HYATTS, MARYLAND 20785

As you know I am pro bandscan! Only reservation: I question the type on page 31 (3-89 VUD), not a true bandscan by any stretch of imagination, might be OK if you were short, but you had 9 other pages worth. (Why isn't it a bandscan? It is a listing of stations regularly received at Bill's location using his equipment. If that isn't a bandscan, then I don't what one is-gc). Anyway the upcoming "super" bandscan attempt from Bellefontaine, Ohio is 99% definite. Will be moving from side to side in hotel like we did in N.J. Will also send reports from Washington, Pa., and Cadiz, Ohio (Am setting modest goals this time, try to get more stations that from Central Jersey, one more will be satisfactory, that would be 127). I think Southern Column should do them too (The decision on bandscan printing is that of the individual column editor-gc). Am going to Elkton, Va. next month with radio. Also planning to drive to Florida next March, scanning from Florence, S.C. and Daytona, Fla. twice coming and one going, on way to parents place in Central Fla. He does print my results from there since its not a one time shor. May try that Hightstown Clarion Hotel location in future again, especially if I get better equipment. -Gus Mancuso

GREG CONGLIO - 500 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK, 14221

EQUIPMENT: Pioneer TX9100, roof mounted 5-element radio shack antenna 20' AGL, Archrotator and 75 ohm leadin used. DX is in Clarence, New York.

MARCH 1989

12 Au

2300 WGTS 91.9 MD Takoma Park, 'You're listening to WGTS in Takoma Park, Maryland'
 2308 WOJY 100.3 NC Greensboro, Romancing The Oldies, Triad ads, Joy 100-WOJY spot

19 Au

1643 WOJY 100.3 NC Greensboro, again!
 1700 unID 94.5 Au signal right over local WNEB!
 1709 WQDR 94.7 NC Raleigh-Durham-Chapel Hill "Carolina's Hit Country 94.7 WQDR" (Hi, Matti-gc)
 1801 WXLK 92.3 VA Roanoke, K-92, legal ID with Lynchburg and the New River Valley, mx by Escape Club, and Robert Palmer

19 Es!!

1841 CHIQ 94.3 MB Winnipeg, news, local spots Q-94, good between WNEB/CBL
 1844 CITI 92.1 MB Winnipeg, vx, traffic Foreigner tune, 92-City FM Winnipeg's Home of Rock and Roll
 1845 CBQT 90.5 ON Fort Francis, CBC
 CKSB9t89.1 ON Fort Francis, CBC FF
 1850 KEVA 88.5 ND Belcourt, ID, 19 degrees mention of winter storm warning
 1852 CKWG 103.1 MB Winnipeg, news, hard to get because of WPHD and CKLH

March 13, 1989 Es
 1859 CKIS 97.5 MB Winnipeg, news about the big aurora, the biggest ever in Manitoba even causing power outages!
 1901 KDPR 89.9 ND Dickinson, legal ID
 4801906 CBLAt 90.1 ON Attitokan, CBC EE
 1938 CBI 105.1 NS Sydney, CBC cs
 4801940 CKPE 94.9 NS Sydney, ks, news, ad
 1941 CBHC 89.1 NS Truro, CBC EE
 1943 CIOO 100.1 NS Halifax, r9, C-100, ads
 5021945 CBH 102.7 NS Halifax, c, sounded like it was // CBI 105.1, in WNJQ/CKLH/WNHR mess
 2051 KNOD 97.5 OK Tulsa, local ads
 2052 KLTE 101.9 OK Oklahoma City, ad, a/c/s, slogan was K-Lite 102
 2055 KYFM 100.1 OK Bartlesville, Poison mx, "100.1 KYFM", picked out calls from under 1009 CKFM 99.9 slop after reviewing tape.
 2100 KSNR 100.3 MN Thief River Falls, oldies ID w/Grand Forks.
 1009 2334 KTCC 91.9 KS Colby, Top 40 (9), T-92
 800 2336 KZUN 89.3 NE Lincoln, ps, pledge drive 1082
 800 18 TrS CHTZ 97.7 off air
 0912 WVSC 97.7 PA Somerset, calls
 1112 23 GW
 1309 WQQA 96.5 NY Fredonia, new semi-local on air, satellite fed lite rock, on same feed as WVMA 94.1 and WSSN 102.3 in WV, is stereo, about equal in strength to WCHF 96.5 Rochester here, both very good 51

That March 13th skip was quite a surprise. It was very intense at times. The Northern Lights display here was also quite intense; I have never seen them so bright! They went all the way up so that they were straight above me! ... Was in Myrtle Beach March 25-April 1. Some amazingly intense tropo openings into Florida were noted; details were sent to Danny Buntin (FM), John Combs (TV), and Matt Sittel (NWS). I am fairly certain I will be at the convention in Syracuse this August; hope to see you there!

Thanks to Larry Fuss and Joe Fela for this month's logos.

STATION NEWS: WEZC 104.7 Charlotte has become WMXC, "Mix WMIX"; adult contemporary. Meanwhile easy listening WRLX 102.9 Hickory/Charlotte has picked up the WEZC calls...country WBIG 102.1 Reidsville, NC (Winston-Salem) has become WJHM, 102 Jams, urban/crossover...WJMX 103.3 Cheraw/Florence, SC is on the air as 103X, 106.3 Florence is now WYNN, urban contemporary and "FM 106."

SOUTHERN FM DX

MAY 1989

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

THE NORTHERN LIGHTS GLOW IN THE SOUTH

For the first time since April 12, 1981 the Northern lights (Aurora Borealis) put on a rare display for viewing throughout the South, 3/13, and Au DX was reported. So without further ado let's immediately go on to get an impression about what aurora FM DXing is like in the South.

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

Equipmt: Onkyo T-9090, \$ Probe 9

The aurora made it into the South. I couldn't believe it! Turned on the Kenwood R-600 s.w. receiver around 0100 March 13 and noticed an echo on the 3,800 to 4,000 mhz ham band. Checked around other bands and all were almost totally silent across the shortwave band. The 3 WW freqs. were fluttering between 3-5 s-units. At that time I didn't know this was being caused by aurora. Even the CB(27 mhz) frequencies were weak and fluttery. I knew this was something unusual but didn't check the FM, so could have been there, too. I then went on to sleep and woke up to check the bands at 0900 and most were still very quiet. No skip at all between 27 & 29 mhz! I later heard some 2 meter hams talking about the big solar flare that ruined their 10 meter DXing for the day, and they mentioned the aurora taking place also. That was the tip off to check FM at 1407. Sure enough, turning the antenna north, the db's climbed as well as the rushing sound on 88.3 and other freqs. Signals stayed around 34db or better the whole time, took a drop to 7db at 1848, but steadily gained back to 30db+ at 1915 until it dropped completely at 1942. A Birmingham, AL TV station said the aurora being this far south was a once in a life time thing. A meteorologist here in Huntsville said it was impossible for the actual aurora to be seen this far south because of the curvature of the earth, and that it was reflecting from clouds in the upper atmosphere! (Ha, ha, sounds like what was said about the Southern aurora back in 1981. I suspect the Southern auroras are the real thing or there could be no DX associated with it. DB)

3/10 gw

1854 WLSZ 105.3 TN Humboldt, r, "Z-105.3", \$
1900 WNZQ 105.3 MS Aberdeen, r, ex-105.5

3/13 Au!

1407 unIDs at time in 26-34 db from 88.3 thru 107.9 with ant. north. Raspy flutter!
1503 WBR 102.7 TN Memphis, regular tr!
1509 KUMR 88.5 MO Rolla, prev. tr
1521 KTCS 99.9 AR Fort Smith, prev tr
1605 KFDD 101.3 KS Wichita, prev. ms
1638 WPMI 93.1 FL Miami, prev. tr, ES 709
1642 KQID 93.1 LA Alexandria, prev. tr 425
1645 unID 93.1 ment. n.e. Colorado, k KFDX?
1703 KWTC 98.7 MO Springfield, ID
1730 KROA 95.7 NE Grand Island, prev. Es
1739 WBEW 102.7 OH Cincinnati, prev. tr
1759 KANZ 91.1 KS Garden City, prev. ms, Es 840
1808 KJQ 97.3 KS Garden City, prev. ms, Es
1813 KLTET 101.9 OK Oklahoma City, "K-Lite 102"
1824 KSL 101.5 KS Liberal, prev. Is 839
1830 KCEV 88.3 KS Wichita, g, ID 660
1836 unID 100.5 "Power 100, K??I"
1919 XHAA 93.1 TA Raynosa, prev. tr, Es 925
1921 WTTDE 101.3 VA Hampton, wx, 2-WD 580
Es (Au induced?)

1935 unID 96.7 Canada, //96.1, mono

1939 CUMV 102.7 Pa Val d'Or (Au drops out 1942)

I haven't heard exactly how far down the aurora made it but my logging of WPMI Miami surprised me. Also, low band VHF-TV was a total mess! (I think I heard it got down as far south as FL. DB)
2009 unID 90.9 FF, mono "Radio Canada"
2012 CFMO 93.9 ON Ottawa

(Spotty MUF's to 107.9 till f/out at 2250)

3/16 gw

1319 WSGC 101.9 TN Chattanooga, classic rock, \$

Danny Austin
1312 N. Skyline
Stillwater, Ok 74075

LEADLINE 18th

SOUTHERN FM DX

3/16 tr
2221 WTHI 99.9 IN Terre Haute, k, "Hi-99"
2236 WCKS 93.1 TN Kerns, "93 Kiss FM", \$
2301 WBL 91.1 AL Auburn, ID
2317 WKKR 97.7 AL Auburn, "Kicker-97"
3/17 tr (local WCRQ off)
0050 WWRB 92.7 TN Harriman, g, \$
3/24 tr
1643 WPEL 103.9 GA Blue Ridge, "P-103"
1859 KDEZ 100.1 AR Jonesboro, r, ID
2000 WLJA 93.5 GA Ellijay, g, ID
2015 KEZK 102.5 MO St. Louis, b, ID
2019 KJMJ 107.7 MO St. Louis, s, "Magic 108"
2054 KQID 93.1 LA Alexandria
2107 WKJ 96.7 GA Newnan, "Magic 96.7"
2154 KLTR 93.7 TX Houston, ads, "K-Lite"
2157 KHCB 105.7 TX Houston, g, ID 620
2208 KEZS 102.9 MO Cape Girardeau, k, "K-103"
2242 KIKK 95.7 TX Houston, "Kick"
2251 KTDY 99.9 LA Lafayette, r, ID
2253 KFMC 97.9 TX Houston, ID
2339 KYKX 105.7 TX Longview, k, ID

Pugh, cont.

MAY 1989

3/25 tr

0006 WFFR 102.7 IN Terre Haute, "Power 103"
0011 WREZ 105.5 IL Metropolis, "EZ-105" \$
0020 WIKY 104.1 IN Evansville, b
0113 WZXY 104.9 TN Kingsport, r, ID
0118 WOTH 105.5 VA Richlands, g, ID
0119 WFCB 91.5 TN Bristol, g, ID
1855 WREZ 94.7 OK OK City, prev. IS, ms
2000 WYVC 102.3 AL Camden, s, "V-102" \$
2023 WDEE 94.3 GA Americus, "94-Rock"
2200 WQAB 104.9 AL Ozark, b, s/off
2203 WMMF 88.5 FL Tampa, ID
2211 WAGH 98.3 AL Fort Mitchell, s, "Magic 98", ads for Columbus, GA, \$, W???
2234 WNSF 98.1 AL Andalusia, r, "98 SURF"
2300 WEGC 104.5 GA Albany, b, ID
2307 WKGR 98.7 FL Fort Pierce, K-Rock
2311 WAZE 92.1 GA Dawson, r, ID
2323 WNFJ 99.9 FL Palatka, "I-100"
2330 WCRJ 103.9 AL Ozark, s, "Dothan's Energy 103" new calls?
2357 WKGC 90.7 FL Panama City, s/off

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866

Equipmt: Denon TU 800 & Finco 6 el. till 3/16 then Stereo Probe 9 at 25'

3/5 tr

1930 KQIZ 93.1 TX Amarillo, Z-93 310

3/6 tr

0932 KFDD 101.3 KS Wichita, full 417

quieting \$ at times

1008 KOEz 92.3 KS Newton, ID kept fading

3/7 ms

0629 WYNU 92.3 TN Milan-Jackson, local

wx, 20 sec. burst, no ID

0750 KIJNT 92.3 TN Farwell, REL on 50

second burst

3/8 tr

1930 KZMC 105.3 NE McCook, strongest of

central NE stations 245

1946 KRVN 92.3 NE Lexington, ID 314

Light 93, station #150

2000 KGLS 93.1 KS Pratt, "LS Radio" 350

3/16 tr

0900 REPLACED FINCO WITH STEREO PROBE 9

1000 KCWC 88.1 WY Riverton, ID 331

1030 KSIT 104.5 WY Rock Springs, ID 280

1035 KAMI 104.5 NE Cozad, over lcl KAPA 266

1045 KAML 96.9 WY Gillette, oldies 365

1050 WELN 97.1 NE N. Platte 251

1137 KYEZ 93.7 KS Salina, k 390

The Denon tuner continues to perform well on FM (8 new ones this past month despite being out of town 10 days) and is a satisfactory domestic AM DX machine (see review in 3/27 DX News p. 29). My new Channel Master 3025 appears to be identical to the Stereo Probe 9 which is now only manufactured in Canada. The boom is several feet longer than my Finco 6 el. (138 in. vs 93 in.) giving a theoretical increased gain of about 1.5 db (when you double the boom length you get about 3 db gain, other things being equal). A db or two difference is not easily noticed or measured, especially on a tuner like the Denon, which has those awful LEDs instead of an s-meter. However, I could see slightly stronger signals on 8 locals and unexplained weaker signals on two locals, the others being about the same. More important, the Stereo Probe is a very worthwhile improvement in directivity, front to back, and nulling ability over the Finco 6. A possible explanation for the two weaker Denver stations on the Probe is that I'm picking up less reflected signal off the back of the Probe from 14,110 foot Pikes Peak 8 miles away.

Our first aurora from this location occurred 3/11, followed by what will probably go down as the aurora of the decade, if not the century on 3/13. It was visible here and far south of here I'm told. I didn't monitor FM, but did work 24 states of 144 mhz from southern CA to central TN) including WTFDA member Pat, WASIYX, in San Antonio. The "aurora curtain" appeared to be almost overhead to directly east with southern NM and sw TX stations the strongest; almost nothing was heard above the CO-WY or KS-NE borders! The sun rotates on its axis in 27 days, often bringing a repeat performance 27, 54, and 81 days.

**TUNE IN FROM DARKNESS
TO LIGHT . . . WE ARE KNYD-FM**

Love 103.1

STILLWATER'S SOUND ALTERNATIVE

**FOR PRODUCTION AND ADVERTISING
CONSULTATION: CONTACT
STEVE LOVELAND**

372-3670 1002 N. Duck Stillwater 74075

WESTERN TV-DX

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

Deadline: 06-08-89
Cut-off: 03-01-89

May 1989

March had some great DX surprises for observant TV-DX'ers. The highlight has to be the March 10th super tropo opening from the gulf coast to Wisconsin. Nate Ely observed WGNO-26 at 905 miles! Also notable in March were auroral disturbances producing auroral reflection as well as some auroral induced E skip.

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

Paul Estes, 476 Val Mar Drive, Kewanee IL 61443

CDT

Equipment:

Zenith J192W table model black & white (1977). Sylvania Superset CE9184W color (1979). P-5 parabolic at 30 feet. Rotor. Rayson High Performer II preamp. RG11 cable.

January 1989

February 1989

9 tr 2200 WICD 15 IL 113

1 tr 1300 WTTK 29 IN 196

9 tr 2200 WJPT 14 IL 102

2215 WKYT 27 KY 347
2230 KOOR 28 IA 149

During the month of January, my antenna system was down due to technical difficulties with my new parabolic P-5 antenna. (I broke it!!!) Thanks to Rich Wertman I am back on track with the P-5 at 30 feet. All other equipment remains the same.

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

CST

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.

January 1989

19 tr 0815 WOSU 34 OH 395

10 tr 0445 & KJMH 26 IA

1 tr 1030 WUSI 16 IL

February 1989

0450 WEHT 25 IN 420

WTJR 16 IL

1148 @WVUT 22 IN

1604 WCTE 22 TN

1624 WKON 52 KY 407

1819 WSCO 14 WI 80

(Back on air 12/29/89

with 24 kilowatts)

12 tr 2200 WCET 48 OH 400

19 tr 0630 WCET 48 OH 400

WPBO 42 OH 461

WTVQ 36 KY 473

WKLE 46 KY 473

WFSJ 51 OH 395

WCOM 68 OH

WKON 52 KY 407

WKYT 27 KY 473

WLKT 62 KY 473

WXIX 19 OH 400

0657 WLEX 18 KY 473

WFIE 14 IN 420

0815 WTTE 28 OH 395

March 1989

8 tr eve

KDNL 30 MO 432

KNLC 24 MO 432

WUSIT 16 IL

WTJR 16 IL

9 tr 2155 same as the 8th

plus:

WQEC 27 IL

WIUM 22 IL

WJPT 14 IL

(Above 3 //)

WCFN 49 IL

KDNL 30 MO 432

KNLC 24 MO 432

(Abv 2 snw free)

unid ch 52 xltr

10 tr 0440 WTCT 27 IL 475

(Full CB w/ID)

(WGBA off air)

0450 WEHT 25 IN 420

W16AC 16 WI

(Land O'Lakes LPTV)

0713 WUSI 16 IL 402

WVUT 22 IN 405

(Abv 2 snw free)

0725 @WIUM 22 IL

@WJPT 14 IL

WFIE 14 IN 420

KDNL 30 MO 432

WQEC 27 IL

1745 WEAO 49 OH 385

13 Es 1700 unids 2-6 ne FF

1858 WLNE 6(RI)

WBZ 4 MA 830

WFSB 3 CT

WGBH 2 MA 830

no time to watch

14 Es 0345 unids chs 2-4 w

no time to watch

The E skip on March 13 and 14 was probably caused by a solar flare which occurred a couple days earlier and seems to have been induced by auroral activity which resulted from same. 73's for now, Bill

Western TV-DX

May 1989

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

CST

March 1989

9 tr 0647 KSDK 5 MO 9 tr 0649 KPLR 11 MO 9 tr 0809 KTVI 2 MO 167

Here's my report for the "off-season" up til March 15. A postcard's more than enough room - neither much DX nor much time for it until recently. But springs coming; I hope to put up an outdoor hookup soon. In fact, my wife is insisting on it. God bless and 73's.

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509

Equipment:

JVC AH-7200U VCR as tuner (with Hitachi CT-932 as monitor) fed by a Channel Master UHF Quantum 4257 @ 35' and a Channel Master VHF/FM Quantum 1110 @ 32' on the same mast. Separate downloads with a Channel Master booster on the UHF. Bohsei black and white fed by a Radio Shack V185 in the garage @ 7' and aimed east southeast.

K61DW, Sacramento is testing tonight (03/22/89 fm) with an ID slide: "Channel 61 Sacramento K61DW" with "TESTS" added below in a different color. Thank you kindly, guys! Wish all LPTV's and translators were so cooperative. No clue what they plan to do with it. The signal's easily readable at times, but won't be very good for viewing. Too much imaging from the Walnut Grove trio of 5 meg monsters. When aimed right at Sacramento, I get pure garble; best picture for a time was from due south, but even there I had a noticeable herringbone pattern. Problem is, if I null Walnut Grove, I null K61DW. Anyway, estimated distance is 47 miles, since their transmitter is presumably somewhere in Sacramento.

Jeff Kruszka, 1900 Stevens Drive, #224, Richland WA 99352

PST

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2-6.

January 1989

1 Es 1834 KFDX 3 TX 1310

1 Es 1900 unid NBC 4 ABC 5

1915 KTVY 4 OK 1280

1 Es 1931 unid ch 4 ABC

2016 KJRHT 2 OK

I also noted strong auroral hash on the evenings of March 13 and 19. It's the first time I've ever seen anything like that. No stations seen though. I'm looking forward to summer!

William Eckberg, RR #4, Dixon IL 61201

CST

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

January 1989

1 ms 0520 KPRC 2 TX 890

8 ms 0525 WCIV 4 SC 797

9 ms 0455 KPRC 2 TX 890

11 tr 0500 WSMV 4 TN 408

26 ms 0515 KAMR 4 TX 803

March 1989

1 Es 0605 unid Mexico ch 2

9 tr 2020 WIIB 63 IN 229

10 tr 0200 WBMG 42 AL 582

0210 WITTO 21 AL 582

0217 WBIR 10 TN 489

0225 WHBQ 13 TN 451

0240 WETO 39 TN 518

0255 WDBB 17 AL 593

0310 WWSB 27 MS 558

10 tr 0320 WJWT 16 TN 419

0345 WDBD 40 MS 651

0355 WSSMT 54 WI 92

0600 WCAV 30 TN 408

13 Es 1800 KMID 2 TX 967

1820 KPRC 2 TX 890

2200 WFSB 3 CT 842

WGBH 2 MA 918

22 ms 0520 KAMR 4 TX 803

March was the most active DX-wise ever. Noted E skip on March 1 and 13. The latter was certainly auroral related. I've never seen E skip in March before. Tropo was out 650 miles on March 10. Best ever for March with many new stations. Jackson 40 was in for about an hour with color bars and ID. Nearly snow free at times. Tropo was nearly 400 miles to the north also. Possible long haul for Wisconsin DX'ers.

I am assuming the channel 54 to the north was "WSSM" Madison mentioned in a VUD column recently. In the early AM they televised national sports news with no ID. (Bill, WSSM is a nonID for K54DB. See Nate Ely's report. fm)

Nathaniel Ely, 3810 Sycamore Avenue, Madison WI 53714

CST

Equipment:

Bowtie and corner reflector at 63 feet, AC-4990 preamplifier, .412 hardline, Zenith System III

Table with columns for month (February 1989, March 1989), call letters, and station numbers. Includes entries like 15 gw 0130 K54DB 54 WI 8 and 9 tr 2025 WIIB 63 IN 304.

W65BF is station number 600. WGNO-26 has been verified.

A wonderful opening for the month of March bagged thirteen new UHF's. Really terrific DX that I'd love to see any month.

What is really remarkable is that the week before there was an awful ice storm which took out my screened seven foot dish. The dish loaded up with about 1/2 inch of ice and the mast bent right over. I was relieved that the tower was not hurt.

I had the antenna man cut down the dish and stick up a 50's type UHF antenna (bowtie and steel screened corner reflector). The little antenna looks silly up on top of the tower, but at least I saw the DX!

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CST

Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Teknika 6510 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

Table with columns for month (March 1989) and call letters/station numbers. Includes entries like 25 tr 1025 KRIN 32 IA 395 and 25 tr 1037 WLAXT 25(MN).

It was nice to see a little DX again, but it sure didn't compare to the other tropo reported this month! I also managed to miss any of the effects of the auroral disturbance.

CHANNEL 2 TV CALL LETTERS

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

WDIQ KTVI
WBAY WTWO
KNOP CFAC
WUND WJBK
KPRC KUTV
WPBT KXMA
CKCK KNAZ
WKRN XEPM
WBBM KOTI
CBUT CBFT

EASTERN TV-DX

Presided over by: JOHN F. COMBS (N4SFS), 1308 WILLOW BRANCH #24, JACKSONVILLE FL 32205

REPORTS FROM TV-DXers IN AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WV, Quebec, Ontario, the Maritimes, & the Carriibbean

APRIL 1989
Another F2 report from Rich Turcsany and the return of Michael Hollis to TV-DXing are the main highlights this month as DX conditions continue to "underwhelm" most of us...

Rich Turcsany, 40 Ferndale Ave., Stratford CT 06497

JANUARY 1989
14 F2 1016 Noted weak video buzz on 48.24 mHz
1019 Weak carrier on 48.255 mHz
1030 Buzz noted in/out on 48.25/.255
1042 Stronger carriers on 48.25/.255/.26, but signals too weak to view on TV
1115 E2 gone... WWV announces solar flux level at 274--surprised that R1 wasn't in!

FEBRUARY 1989

11 F2 1035 Extremely weak buzz on 48.25 mHz
26 F2 1015 Strong buzz on 48.24 mHz
1030 Video carriers on 48.24/.26--not strong enough for picture on European TV
1045 Weak buzz noted on 48.24/.25/.26 mHz
1108 Buzzes stronger now
1112 48.255 carrier in--West Germany
1130 48.255/.26 carriers in
1230 Same carriers still in, also 48.265 mHz
1245 Only 48.26 mHz buzz still in
1300 E2 gone
1518 WWV reports solar flux at 200, A-index at 3, K-index at 1--surprised that I still couldn't get any reception on 49.75 (channel R1)

EQUIPMENT: Regency "Touch" programmable scanner, Unisonic XL-990 multi-standard portable TV w/625-line E2/R1 capability (1979 vintage)

F2 conditions here were on the decline by the end of January, but have just recently picked up again. In fact, the opening on 2/26 was perhaps the best (and longest) noted here since 1979! At this point, I seriously believe that the sunspot peak will be the best EVER (surpassing even the 1958-59 period), and that trans-Atlantic DX on 55.25 mHz (channel A2/E3) will be very possible here in New England next winter! (As well as trans-continental A2 DX, which was quite good in the 1958-59 peak--jfc) I have recently purchased a brand-new Phillips VR-6843 multi-standard VCR from Apple Labs in NYC, which will be an invaluable DX tool for next winter's conditions. The unit is capable of receiving the European, American, and Japanese TV bands, and is also cable-ready. Unfortunately, I have not been able to use the unit yet, as I am waiting for adapters that are able to convert our American RF plugs/connectors to the European-made Jacks (known in Europe as "sockets") that come with the VCR. This unit will be a plus for F2 TV-DXing since I'll be able to videotape E2 signals while I'm at work during some of the best conditions. Plus, I'll hopefully be able to record some receptions in full (PAL) color!

Michael Hollis, 40 Lakewood St., Mary Esther FL 32569

Table with columns for month (JANUARY 1989) and call letters/station numbers. Includes entries like 2 Tr 0547 KLRT-16 AR 450 and 2 Tr 2305 WFTV-9 FL 300.

I have returned to TV-DXing after living in Europe for the last three years. I got my tower up just bore Christmas. (Welcome back, Michael! You're definitely seeing more DX in the FL panhandle than a certain DXer in Northeast FL, hi! Report often!--jfc)
> DX DISTANCE PRINTOUTS measure your exact distance to all U.S. & Canadian TV stations. <
> Get yours today! Send \$7 U.S. + geographic coordinates to this editor..... <

Table with columns for station call letters, frequency, and location. Includes entries for W11AL, WSHB-38, WVIC-61, etc.

Table with columns for station call letters, frequency, and location. Includes entries for W856 WSBK-36, W086 WVIC-61, etc.



On 1/16, Kurt Richardson tipped me off to a big Auroral skip opening. I was able to null WKTV-2, but couldn't ID anything on TV. Was successful on FM, though. February was a quiet month for DX, but a lot of F2 heard! 42.44 MHz L.A. and S.F. Police at 9000 EST, MUF up to 50 MHz before 1000. W11AL finally on the air! 100 watts, antenna located on WAQX-95.7 tower along with W14AE. W11AE owned by C. Fox who operates WOLF-38, WFYP-50 and WTVU-33. Format is "Muchmusic" (Canadian satellite video station). A special note to old and new members who have never attended a convention--it's a great experience to meet people that share the same interests. Hope to see all of you this August! '73's, Bill!

Table with columns for station call letters, frequency, and location. Includes entries for W0831+ Bos 7,38,44,56,66, W0830 WBEA-14, etc.



Not much DX to report. College keeps me busy. Great DX to all!

Table with columns for station call letters, frequency, and location. Includes entries for W2307 WNDU-16, W2311 WWSJ-28, etc.

EQUIPMENT: Icom R-7000 with Icom TV-R7000 TV receive adaptor and Koyo TVM-96-2 9" B&W monitor; Creative Design CLP-5130-1 25-element log periodic at 25' with rotator. (Before Jan. 25 antenna was Icom AH-7000 discone at 25')

A few good openings here, especially Nov. 23 and 24. When I put the log periodic up on Jan. 25, most stations that I had logged previously became pests. The antenna is an excellent performer on FM, but only fair on UHF. But it's a lot better than the old discone, hi. Am looking forward to some great DX (which I will report here) this summer.

Table with columns for station call letters, frequency, and location. Includes entries for W1845 WBOC-16, W1830 WTXF-29, etc.

Not much. Es noted at this location. On the night of Jan. 23/24, nice stuff coming in during the normal January doldrums. Update on rotor problems: I figured the short mast going from the rotor to the tripod did not need dowels inside like the antenna mast, but that's the spot that has bent, thus putting strain on the rotor and on the clamp holding the lower part of the rotor brake. Now I'm waiting for a nice hard spring wind to bend it further. This way it would be easier to handle (top heavy). Take care. (Hope your antenna woes get remedied soon, Roy---jfc)

EASTERN TV-DX APRIL 1989 Kurt Richardson, 23 Bevell Ln., N. Syracuse NY 13212 I have been a member of the WTPDA for 3 years, and I equally share my interests between TV, FM radio, and VHF lo-band paging systems (affected by F2 propagation on a daily basis lately). On 12/22/88 while listening to my scanner, 35.24 MHz pagers from Miami came barreling through. I decided to check the TV set and, sure enough, E-skip was up! The following were verified: 1101 EST WPBT-2 Miami and WTVJ-4 Miami (1200 miles). I am confident that what I experienced was E-skip (correcto---jfc).



Also of interest for your column, I work for Radio Shack here in Syracuse and central NY as a part-time salesman. Recently, I had the opportunity to install an antenna on radio Shack's new store in Oswego NY, right on Lake Ontario, and one of the best DX spots locally. What a treat! (Kurt includes a bandscan using this system, showing deadband reception out to Buffalo and Toronto, about 140 miles---jfc) My home set-up blew to the ground in October, and I have not had the time to resurrect it since. Once I do, though, I hope to become a regular reporter like my friend Bill Kretschmer. (I hope so, too, Kurt! Welcome to the column---jfc)

Table with columns for station call letters, frequency, and location. Includes entries for W0945 WMPD-22, W1200 WICQ24-44, etc.

WTJA-26 Jamestown was noted testing with 3/4 color bars and old movie ("It's a Wonderful Life") but not seen since. Signal was weak and scattery, I doubt they were at full (708 kw) power. This makes the third Jamestown ch. 26 I've seen since the late 60's (WNYP, W26AA, and now WTJA). Hope you don't mind all the tropo scatter loggings...if it wasn't for them, I'd have nothing to report (a lot of us are in that boat, Dave---jfc)

Table with columns for station call letters, frequency, and location. Includes entries for W2058 WITF-33, W2226 W0UB-20, etc.

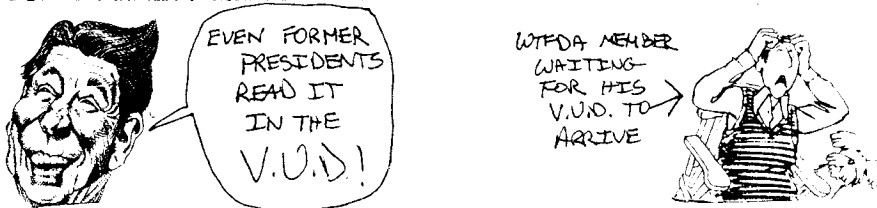
EQUIPMENT: JVC 26" TV/Stereo VCR, indoor UHF active 4-bay, balcony VHF active discone (12th floor)

Some off-season Es, but nothing terribly exciting. Mystery CKVR on ch. 23 showed up again (last time was in August). Must be a new repeater...it's not mentioned during CKVR's s/on. (Why doesn't somebody in CKVR's coverage area give them a call? They've always been good DXers and I'm sure they'd fill us in if asked---jfc) I'm keeping my eyes and ears peeled for F...so far MUFs have hit 48 MHz here. I've programmed channel "1" (hi) on my VCR (the tuner tunes quite a bit below channel 2) in the hopes of seeing something. (Even if it tunes a full 6-7 MHz below ch. A2, the sensitivity of commercial tuners usually drops sharply to almost zero below 54 MHz---jfc) Sev-N-T-3s, Bill!

Table with columns for station call letters, frequency, and location. Includes entries for W0745 WYED-17, W0750 WPTF-28, etc.

Table with columns for station call letters, frequency, and location. Includes entries for W0813 WTB5-17, W0900 Macon U's GA, etc.

MISCELLANEOUS MUSINGS....Apologies for not producing a column last month. My time was limited and so was the DX in the reports I got. I'm caught up now on the older reports and loggings.. Bob Timmerman (IN) sent a listing a TBN affiliates, both full-power and LPTVs. I have sent this on to Robert Grant for use in solving unIDs in the TV-CCI column...Which brings me to this sad announcement: TV-CCI AIDS IS DECEASED, KAPUT, DEFUNCT, GONE BYE-BYE! An obvious lack of member support caused the demise of this very useful column. In the future, please send any information of the sort that was published in the column to Robert Grant, 5775 Bishop, Detroit MI 48224. Somebody sound taps, please. It's been real....JOHN



EASTERN TV-DX

THIS MONTH:

--The Gulf opens up: Mexican UHF and Texas xlters seen in Florida!
 --Solar Flares produce unusual March skip

REPORTS FROM TV-DXers IN AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WV, Quebec, Ontario, the Maritimes, & the Caribbean

MAY 1989

MAY 1989

SEEING DOUBLE?

Don't panic! There's no need to see your eye doctor. Yes, there are two (count 'em) installments of EASTERN TV-DX in this issue. This 2-for-1 sale came about through the ministrations of the friendly folk in Buffalo who work for the United States Postal Service. It seems that the column I sent to club HQ for April's issue was returned to me about two weeks later rubber-stamped "No Such Boxholder." Well, reports of the club's demise have been greatly exaggerated, and the club still occupies P.O. Box 514 at the Ellicott Station in Buffalo, though there are some postal clerks who don't realize this. What a bunch of jerks! (And I should know... I used to work for 'em!)



We'll help you get our best.

A massive Gulf tropo opening took place in the period March 12-15. VHF and UHF signals from LA, TX, and even Mexico were incredibly strong, some snow-free at times, in the shack of FL TV-DXers. Off-season E-skip has been unusually active, also. The end of February brought Panamanian lo-band TV to Florida, and several sessions of auroral scatter and aurorally-induced E-skip were the result of the large solar flares that occurred in March. On to the reports!

Carlton Howington, 2822 42nd Ave., St. Petersburg FL 33714

FEBRUARY 1989	MARCH 1989	MARCH 1989
28 Es 1800 HOH34-2 PANAMA	12 Tr 1700+ KMBH-60 TX 935	13 Tr 0200+ KARD-14 LA 635
1821 HOH21-4 PANAMA	2000+ Miami U's FL 200	KLAX-31 LA 645
(ID as "4-RPC")	(strong off back of	0230 XHPNT-46 CI 1080
1821 unID-5 U.S. music	dish; local WTSP-10	Piedras Negras (XEW)
videos, EE armts	almost out w/CCI)	0515+ KSLA-12 LA 745
MARCH 1989	2000+ KLTJ-57 TX 735	KDTX-58 TX 910
2 Tr 0600 W19AX FL 90	KXAN-36 TX 925	WALA-10 AL 365
Orlando (LPTV)	KUHT-8 TX 785	(over local)
("The Tourist Channel")	(Just barely under	KTRF-9 TX 765
12 Tr ---- BIG GULF OPENING!!	local WFLA-8)	0600+ KATC-3 LA 605
0700+ KTBG-7 TX 925	2300+ WLAE-32 LA 460	KDAP-33 TX 910
KBVO-42 TX 925	KVHP-29 LA 655	KLGM-51 TX 790
KVUE-24 TX 925	2336 K63-- TX ?	KLRT-16 AR 750
KITU-34 TX 695	(Xltr of KCEN-6)	XHPNT-46 CI 1080
KWEX-41 TX 960	(wk in/out for 1 hr)	(color at times)
KMBH-60 TX 935	unID-19 tent. Baton	0900+ Same general TX,
KHSH-67 TX 785	Rouge LPTV	LA as 3/12
0800+ KPWD-52 TX 930	0100+ KWKT-44 TX 910	1130 WAPT-16 MS 545
KXTX-39 TX 910	KDPI-27 TX 910	14 Tr 0530+ XHPNT-46 CI 1080
KHSX-49 TX 910	KABB-29 TX 945	unID-25 XEW //46
KJTL-18 TX 1040	KHOU-11 TX 785	farther south
KLRU-18 TX 925	KJTB-27 TX 1025	KATV-7 AR 720
(TP just w/KJTL)	0200+ K17-- TX 830	KSAT-12 TX 945
1100+ WAFB-9 LA 540	Palatine (TBN)	KLRT-16 AR 750
KNCT-46 TX 920	KETK-56 TX 810	KXAN-36 TX 925
1700+ WNOL-38 LA 460	WVUE-8 LA 460	1700 unID-9 w/XEW
WGNO-26 LA 460	(TP under local)	2300 W16AF GA 345
KVHP-29 LA 655	KMSS-33 LA 745	2300 unID-66 to North
KHTV-39 TX 785	KPRC-2 TX 785	w/CTN Net

(The calls on the Panamanian stns are for reference only... I doubt they actually use them anymore. I can't find any reference to an XEW relay on ch. 25, but the ch. 9 may be XERV Reynosa. I also cannot locate a ch. 63 translator for KCEN-6. I hope to get a current copy of the FCC's xltr microfiche soon and will check it. Meanwhile, can any TX members shed some light on these loggings?---jfc)

DX DISTANCE PRINTOUTS are a must for your shack. Know the exact distance from your QTH to all U.S. and Canadian TV stations! These printouts have received the seal of approval from both the Surgeon General and the Moral Majority! (However, the Ayatollah put out a death contract on me after getting his copy!) Send \$7 in U.S. funds and your exact latitude and longitude to: John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205. Don't delay!!!

EASTERN TV-DX MAY 1989 (CDT assumed)

MARCH 1989	MARCH 1989	MARCH 1989
11 Tr 2130 KEDT-16 TX 700	12 Tr 0750 KLRU-18 TX 690	13 Tr 0451 KATC-3 LA 330
2130 KYBJ-48 TX 780	0752 KLPP-24 LA 340	0452 WBSF-43 FL 390
McAllen	0757 KSHS-67 TX 520	0454 WACX-55 FL 320
2130 KHTV-39 TX 530	0759 WLPB-27 LA 280	0456 WATX-56 FL 370
2155 KTXH-20 TX 530	0800 KEDT-16 TX 700	0456 WOGX-51 FL 290
2200 KLTJ-57 TX 530	0801 KPRC-2 TX 530	0458 WLTV-23 FL 420
2215 KMBH-60 TX 750	1500 WUSF-16 FL 300	0500 WPBF-25 FL 460
12 Tr 0230 KSAT-12 TX 740	2100 WSFP-30 FL 390	0501 WBSF-33 FL 520
0244 KRIV-26 TX 530	2104 WXEL-42 FL 490	0502 WTVX-34 FL 430
0255 KVEO-23 TX 750	2200 WAFB-9 LA 280	0503 WXEL-42 FL 490
0302 KRRT-35 TX 770	2200 KHTV-39 TX 530	0504 WHFT-45 FL 520
0313 KLFY-10 LA 340	2230 KETH-14 TX 530	0505 WPBT-2 TX 520
0315 KHOU-11 TX 530	13 Tr 0130 KLUJ-44 TX 750	0509 KVEO-23 TX 750
0320 XERV-9 TA 790	0134 WVUE-8 LA 200	0510 KPRC-2 TX 530
Reynosa (XEW)	0135 KXTH-20 TX 530	0512 KZTV-10 TX 700
0523 KABB-29 TX 740	0136 KRRT-35 TX 770	0516 KIII-3 TX 740
0525 KDAP-33 TX 660	0140 WKCF-68 FL 350	0519 KMOL-4 TX 700
0526 KTXH-20 TX 530	0140 WFTS-28 FL 300	0521 KXAN-36 FL 630
0529 KTBC-7 TX 690	0145 KTBC-7 TX 690	0523 WTMW-32 FL 330
0531 KTRK-13 TX 530	0145 WBBH-20 FL 390	0528 KETG-9 AR 470
0549 WFTV-9 FL 350	0150 WPLG-10 FL 520	0529 KLRT-16 AR 450
0549 WTGL-52 FL 370	0200 WTVT-13 FL 300	0532 KIXN-58 TX 640
0550 KLAX-31 LA 350	0200 KALB-5 LA 300	0536 WSFP-30 FL 390
0553 KBVO-42 TX 690	0200 WBRZ-2 LA 280	0629 KTMW-48 LA 510
0559 KTRF-9 TX 500	0430 KRRT-35 TX 770	0630 KVHP-29 LA 390
0600 WBRZ-2 LA 270	0435 WFTX-36 FL 390	0638 WSCY-51 FL 520
0606 KATC-3 LA 330	0438 WFTV-36 FL 400	0639 KMBH-60 TX 750
0614 KVUE-24 TX 690	0438 WRES-18 FL 370	1900 WPBF-25 FL 460
0620 KZTV-10 TX 700	0439 W19AX FL 350	1900 WFSH-22 FL 350
0630 KBMT-12 TX 470	0442 WSVN-7 FL 520	2100 WPEC-12 FL 480
0632 KTMW-48 TX 510	0445 WPTV-5 FL 480	2115 WDLZ-39 FL 520
Galveston	0448 WWSB-40 FL 330	2144 KUHT-8 TX 530
0749 KLTL-18 LA 390	0449 WTOG-44 FL 300	2150 KSHS-67 TX 520

A high pressure system moving slowly through the Gulf of Mexico created excellent tropo from the tip of Texas to the tip of Florida. Many stations were as strong as locals. On the morning of the 13th, there were more stations rolling in that I could keep up with. I probably missed a few as I ran out of color film and couldn't record all the stations fast enough. I got some excellent color photos of test patterns. My station total after 3 months is 207. (Wow! You've found a doozie of a DX location, that's for sure. Looks like you, like I, lost a lot of sleep during that opening...but wasn't it worth it?--jfc)

Tom Bryant, 849 Todd Preis Dr., Nashville TN 37221 (CDT assumed)

MARCH 1989 Here's my first offering for "Eastern TV-DX." This is the first Es I've ever seen in Nashville during March. KREG was a regular here last season both AM and PM openings...also have great color tape of its predecessor KCWS-3 (animated ID with mountain background).

Robert Grant, 5775 Bishop, Detroit MI 48224 (*distance approximate)

AUGUST 1988	SEPTEMBER 1988	MARCH 1989
8 Tr 0530 KCNC-9 ON 299	22 Tr 0000 WFRV-5 WI 289	1 Gw 0030 W26-- MI 8
0530 CBCE-16 ON 290*	0000 WLUK-11 WI 289	9-19 Au hash nightly...
0530 KCNC1-7? ON 275	Gw 0000 CIII1-22* ON 21*	13 Ae+1135 KMTV-3 ? NE T
0600 WTAJ-10 PA 265	27 Tr 0030 Toronto U's 198	1135 KLNE-3 ? NE T
SEPTEMBER 1988	0030 CIII127-27 ON 250*	1135 KHAS-5 NE 807
22 Tr 0000 WSAW-7 ? WI T	0030 Buffalo U's 208	21 Gw 1150 WADL-38 MI 10
0000 WXGZ-32 WI 287		

*thru local *also logged all 5 new CBLN xmtrs in September *1st time in 10 years! *Ae=Aurorally-induced Es

EQUIPMENT: Radio Shack VU110 and 10cb amp, 1981 RCA 25" color, 1984 KTV (Dung) 12" B&W (Is "dung" a brand-name, or does it refer to the quality of the set, hi?--jfc)

An interesting set of events locally finished out the Detroit log with 7 new locals and the surprise return of an old dinosaur. The new CIII1-22 is much weaker than the old one and, by antenna heading, seems to be in a different location, probably downtown Windsor. This is closer, and would mean a weaker xmt, like in the 50 watt range (the strength here is equivalent to a 1000kw/300m UHF at 80-90 miles with no enhancement, and Windsor is 9 miles). The new LPTV on 26 is equally disappointing. It is much weaker than K66BV and usually ruined by a bad signal from the satellite (it carries a service of public domain movies and marathon ads called "Channel America"). WADL-38, whose tower suddenly rose from nothing in the winter, is snowfree no matter which way the VU110 is turned, the strongest UHF here. So far just an hour a day of test patterns. The owner hopes to have a general entertainment indie in full competition with WXON-20 and WKBD-50.

PHONE PHRUSTRATION: Several of you have commented that calls to my phone number usually, reach my answering machine. I work two jobs and am rarely home at any "decent" hour. In addition, I sometimes keep the machine on, with the volume up, to screen calls when I am home (in case I want to avoid talking to the VISA people who have a habit of calling me at odd hours to harass me when I'm \$5 over my credit limit, hi). If you are calling with DX news or a tip to a good opening, please leave the info on the machine. If you simply want to chat, leave your number and I will return the call at my expense (right away, if I'm home.) If I'm not home, it may be awhile before I can call back, so please be patient! Gracias.



EASTERN TV-DX				MAY 1989			
Jeff Kretschmer, 104 Kopp Avenue, North Syracuse NY (\$=stereo \$+=SAP)				MAY 1989			
MARCH 1989	7 Tr	0655	WOIO-19 \$ OH 313	MARCH 1989	26 Tr	0631	WBNX-55 OH 309
			WSEE-35 \$ PA 214				0709 CBLPT8-61\$ ON 226
			WUAB-43 \$ OH 311				0711 CICO59-59 ON 306
			WQLN-54 PA 214				0729 WICU-12 \$ PA 211
			WBNX-55 \$ OH 309				0744 CITY2-31 ON 271
	0740	WQHS-61 \$+OH 310					0755 CBLN5-20 ON
13 Es	1919	CKYB-4 \$ MB 1217					to CBLN1-56 ON
	1925	CKND2-2? MB T					0802 CBLN4-45 ON
	2130	KTCA-2 MN 851					0805 CKNX-8 ON 262
	2220	KMOV-4 \$ MO 804					0856 WQLN-54 PA 214
	2223	KTVI-2 \$ MO 808					0857 WETG-66 PA 214
	2226	WDAF-4 \$ MO 804					
	2343	KSNB-4 NE 1141					
	2344	0000 unID-5,6					
25 Gw	1900	W1BAL ¹ NY 9					

*1st time sign-on =CBLFT off-air
 *New TBN-direction towards Cleveland (there is a TBN LPTV on 44 in Erie-probably there---jfc)

EQUIPMENT: CM UHF 7' dish @ 45', CM UHF 30db preamp, Microwave Filter UHF 13db ch. 24 trap, CM VHF 3610 Crossfire @ 35', 1/2" hardline and belden coax, Hy-Gain Talltwister rotor, all on #25G Rohn tower; Sylvania RKE-192 Stereo/SAP TV, Sears 12" B&W TV.

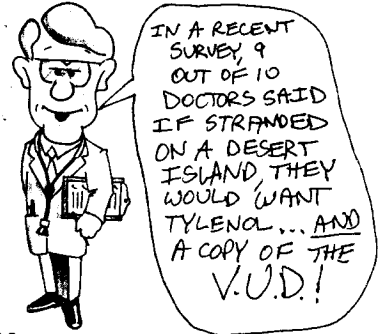
Boy, that was an intense solar flare! I started receiving Au a few days later which led to Es on 3/13-14. I didn't ID any TV on Au, but cleaned up on FM and io-band (30-50 mHz) DX. Los Angeles P.D. on 42.44, 42.88 mHz local signal quality at 2100 on indoor whip antenna! Easter Sunday morning started the first good tropo this spring from Erie, Cleveland, SW Ontario and lower Michigan. Very strong signals received. 73's, Bill!

EASTERN TV-DX				MAY 1989			
John E. Combs, 1308 Willow Branch #74, Jacksonville FL 32205				MAY 1989			
MARCH 1989	5 Tr	0850	WFTX-36 FL 242	MARCH 1989	13 Tr	0206	KADN-15 LA 625
	6 Tr	0035	WNEH-38 SC 282				0207 KIII-3 TX 974
	12 Tr	0220	WLTX-38 GA 239				0213 unID-10 CBS*
			0220 WPBF-25 FL				0223 KVUE-24 TX 957
			0220 WFLX-29 FL 272				0223 unIDs-4*
			0224 WJHG-7 FL 221				0224 KENS-5 TX 992
			0224 WMBZ-13 FL 208				0248 WXXV-25 MS 437
			0227 WDBL-39 FL 312				0300 WDBB-17 AL 399
			0227 W19AQ FL 270				0320-0610 Sleep!
			West Palm Beach (LPTV)				0610 Houston U's still
			0228 W16-- FL 169				0610 KPRC-2 ? TX T
			Palm Bay (WESH-2)				0613 WALA-10 AL 363
			0241 WJKA-26 NC 334				0615 WLOX-13 MS 439
			0708 WLTX-38 GA 239				0615 KNOE-8 LA 625
			0708 WNEH-38 SC 282				0728 WFCX-35 FL 291
			0710 WATL-36 GA 286				0730 Miami U's FL 313
			0711 WPBF-25 FL				0730 WPB U's FL 272
			0713 WPGX-28 FL 223				0733 WFSG-96 FL 251
			0714 WACH-57 SC 266				2100 KHTV-39 TX 825
			0714 WVEU-69 GA 285				2200 Miami U's FL 313
			0716 WACS-25 GA 202				2200 WPB U's FL 272
			0716 Macon U's GA 201				2215 WPLG-10 FL 312
			0717 WSB-2 ? GA T				2319 W19AQ FL 270
			0749 WFTX-36 FL 242				2323 WPBT-2 FL 313
			0755 WSRE-23 FL 329				2340 W19AX FL 140
			0857 WLPB-27 LA 565				Orlando (LPTV)
			0859 KADN-15 ? LA T				2351 WEIQ-42 AL 368
			0907 KHTV-39 ? TX T				2351 WNOL-38 LA 491
			1535 (See footnote ¹)				2352 WPMI-15 AL 354
			2230 WPB U's FL 272				2352 WXXV-25 MS 437
			2230 WTVX-34 FL 233				0014 WSVN-7 FL 312
			2230 WRLK-35 SC 409				0015 WPTV-5 FL 272
			2230 WVEU-26 FL 267				0030 KARD-14 LA 629
			2230 WFSR-23 FL 329				0057 KNOE-8 LA 625
			0030 WNOL-38 LA 491				0102 KXXV-25 TX 925
			0042 WKRG-5 AL 365				0117 KTXA-21 TX 910
			0044 WPMI-15 AL 354				0122 WLBW-30 MS 434
			0044 KHTV-39 TX 825				0129 WTHZ-24 ? MA T
			0120 WYUE-8 LA 492				0138 KHTV-39 TX 825
			0130 KETH-14 TX 825				0155 KTEH-14 TX 825
			0131 KVEO-23 TX 1020				0200 KRGV-5 TX 966
			0137 KRGV-5 TX 966				0205 KRIV-26 TX 825
			0145 KRIV-26 TX 824				0215 Beddie-bye...
			0147 KABB-29 TX 992				0318 KETH-14 TX 825
			0153 KSAZ-12 TX 991				0318 WPMI-15 AL 354
			0158 WAPB-9 LA 565				0318 WLTX-19 SC 267
			0159 KTBG-7 TX 956				0318 KTXH-20 TX 825
			0200 KTRK-13 ? TX T				0318 WBBB-20 FL 240
			0200 KXAN-36 TX 956				0319 WHNS-21 NC 341
			0205 KTXH-20 TX 825				0319 WXXV-25 MS 437

*Video only, preview of reports to follow on nxcast. In the UR of screen a "3" w/straight top & curved lower half, "News at Six" to right of "3" and "Coming Up Next" at bottom.

EASTERN TV-DX				MAY 1989			
Bob Timmerman, 1210 Desoto Ct., Auburn IN 46706				MAY 1989			
MARCH 1989	9 Tr	0320	KNLC-24 MO 357	MARCH 1989	13 Es	2228	WCVB-5 MA 714
	13 Es	2100	CKND2-2 MB 949				2230 WSTM-3 NY 471
			2228 WGBH-2 MA 714				2236 WFSB-3 CT 634

The Es was undoubtedly related to the big aurora, which was seen as far south as Texas (and Florida!---jfc). WSTM had a brief ID slide before yielding to WFSB. Love that short skip! (It sure does fill in those "holes" in the log---jfc)



EASTERN TV-DX				MAY 1989			
John E. Combs, 1308 Willow Branch #74, Jacksonville FL 32205				MAY 1989			
MARCH 1989	5 Tr	0850	WFTX-36 FL 242	MARCH 1989	13 Tr	0206	KADN-15 LA 625
	6 Tr	0035	WNEH-38 SC 282				0207 KIII-3 TX 974
	12 Tr	0220	WLTX-38 GA 239				0213 unID-10 CBS*
			0220 WPBF-25 FL				0223 KVUE-24 TX 957
			0220 WFLX-29 FL 272				0223 unIDs-4*
			0224 WJHG-7 FL 221				0224 KENS-5 TX 992
			0224 WMBZ-13 FL 208				0248 WXXV-25 MS 437
			0227 WDBL-39 FL 312				0300 WDBB-17 AL 399
			0227 W19AQ FL 270				0320-0610 Sleep!
			West Palm Beach (LPTV)				0610 Houston U's still
			0228 W16-- FL 169				0610 KPRC-2 ? TX T
			Palm Bay (WESH-2)				0613 WALA-10 AL 363
			0241 WJKA-26 NC 334				0615 WLOX-13 MS 439
			0708 WLTX-38 GA 239				0615 KNOE-8 LA 625
			0708 WNEH-38 SC 282				0728 WFCX-35 FL 291
			0710 WATL-36 GA 286				0730 Miami U's FL 313
			0711 WPBF-25 FL				0730 WPB U's FL 272
			0713 WPGX-28 FL 223				0733 WFSG-96 FL 251
			0714 WACH-57 SC 266				2100 KHTV-39 TX 825
			0714 WVEU-69 GA 285				2200 Miami U's FL 313
			0716 WACS-25 GA 202				2200 WPB U's FL 272
			0716 Macon U's GA 201				2215 WPLG-10 FL 312
			0717 WSB-2 ? GA T				2319 W19AQ FL 270
			0749 WFTX-36 FL 242				2323 WPBT-2 FL 313
			0755 WSRE-23 FL 329				2340 W19AX FL 140
			0857 WLPB-27 LA 565				Orlando (LPTV)
			0859 KADN-15 ? LA T				2351 WEIQ-42 AL 368
			0907 KHTV-39 ? TX T				2351 WNOL-38 LA 491
			1535 (See footnote ¹)				2352 WPMI-15 AL 354
			2230 WPB U's FL 272				2352 WXXV-25 MS 437
			2230 WTVX-34 FL 233				0014 WSVN-7 FL 312
			2230 WRLK-35 SC 409				0015 WPTV-5 FL 272
			2230 WVEU-26 FL 267				0030 KARD-14 LA 629
			2230 WFSR-23 FL 329				0057 KNOE-8 LA 625
			0030 WNOL-38 LA 491				0102 KXXV-25 TX 925
			0042 WKRG-5 AL 365				0117 KTXA-21 TX 910
			0044 WPMI-15 AL 354				0122 WLBW-30 MS 434
			0044 KHTV-39 TX 825				0129 WTHZ-24 ? MA T
			0120 WYUE-8 LA 492				0138 KHTV-39 TX 825
			0130 KETH-14 TX 825				0155 KTEH-14 TX 825
			0131 KVEO-23 TX 1020				0200 KRGV-5 TX 966
			0137 KRGV-5 TX 966				0205 KRIV-26 TX 825
			0145 KRIV-26 TX 824				0215 Beddie-bye...
			0147 KABB-29 TX 992				0318 KETH-14 TX 825
			0153 KSAZ-12 TX 991				0318 WPMI-15 AL 354
			0158 WAPB-9 LA 565				0318 WLTX-19 SC 267
			0159 KTBG-7 TX 956				0318 KTXH-20 TX 825
			0200 KTRK-13 ? TX T				0318 WBBB-20 FL 240
			0200 KXAN-36 TX 956				0319 WHNS-21 NC 341
			0205 KTXH-20 TX 825				0319 WXXV-25 MS 437

EQUIPMENT: 4-bay UHF antenna, Archer V-110 VHF antenna at about 30' AG, turned by Archer rotor; Winegard AC4990 UHF preamp, Winegard UT-2700 UHF tuneable trap (not installed yet), channel 4 trap, FM trap; Sears SR1000 9" B&W TV.

*Carlton Howington calls from St. Pete to tell me he's been seeing Texas UHF all day. Nothing here---I figure Jax is in a DX "black hole" again. That night's DX would prove me wrong, hi.
 *KRGV-5 had been in with a local quality signal since 0010 on the local CATV system (after WUFT-5 s/off)! They use a quad stack of yags at about 300' to pick up WUFT, and Weslaco is close to Gainesville's bearing. I wonder if the CATV people got any calls the next day inquiring about "that new station from Texas," hi!
 *All broken-underlined loggings previously logged by Es.
 *Could be Lafayette, Corpus Christi, or Waco!
 *Local WJXT-4 off-air for about 2 minutes while switching to auxiliary xmtr for testing. Alas, not enough time to ID the 2 stations that were in!!

Well, it's about time!!! After getting many frustrating phone calls from Carlton Howington about Gulf openings that just didn't make it to Jacksonville, I've finally gotten Texas by tropo. The DX of March 12-15 ended a long, dry, DX-less spell here, and is the best tropo I've witnessed since 1974-75 in Orlando. The wee hours of the 15th were particularly interesting with simultaneous tropo from the west (Houston, Brownsville, Beaumont, Baton Rouge) and the northeast (Asheville, Fayetteville, New Bern). I believe tropo reception from the piedmont of NC to coastal Texas was possible for a few hours that morning. All this activity vaults my station total to 295!

Aurora Borealis actually visible at this latitude on the night of the 13th, a result of the huge solar flares in the previous week. No Au-like propagation noted on TV, as it was on 8-27-88, following a similar outbreak of solar flares.

 FINAL NOTES: As you read this column, I will be on my annual camping trip/DXpedition to Black Rock Mountain State Park in northern Georgia. Because I'm leaving May 2 for this trip, I'll be typing and mailing the June column on May 1, so any late reports will go in the July column. It's been real.....
 JOHN 41

