

From The STAFF

NEW DUES NOW IN EFFECT...At press time, an increase in WTFDA dues had been approved by most of the club Board of Directors. This is the first increase since 1981, and will allow the VUD to continue to publish larger editions when they are needed. As stated last month, WTFDA's dues had remained at the same rate since 1981, a long time, according to some, for a DX club to remain at that rate. WTFDA continues to be a volunteer operated, and strictly non-profit, organization. Practically all of the revenue from dues goes toward publishing the VUD. Even at the new dues rate, you may find that membership in WTFDA is still a pretty decent bargain. Canadian DXers please note: we regret now having to charge an extra dollar for your memberships, but the U.S. postal rates to Canada have risen even higher than the domestic ones since the 1981 dues increase. Page 39 features details of the new dues structure.

LET'S 'SKIP' WINTER THIS YEAR?...Many areas of North America have been surprised by prolonged periods of unusually warm weather during the first half of winter (although record snowfalls and low temperatures plagued northern plains and western mountain regions). So even though the calendar says we're in the worst part of the year for DXing VHF and UHF tropo, we may have reports of some surprisingly good DX conditions before spring arrives! A few enthusiasts have also commented on finding more E-skip than usual on VHF this winter. Strong auroral activity may well be a big reason. One longtime DX observer tells us he expects to see a truly unusual year. With F2 activity also heading for a higher peak than previously expected, 1989 could have many DX surprises in store for the VHF enthusiast: unidentified F2 skip has recently been seen on U.S. channel 2!

HOW WTFDA WORKS...Sometimes, those of us who contribute their time to do club work are amazed at how unclear certain members are on the concept of a volunteer organization. If you are writing to club P.O. Box 514 and would like a reply, PLEASE include a self-addressed stamped envelope (SASE). If you'd like to submit something to a VUD column, write directly to the column editors--NOT to the club address in Buffalo. If you have a comment on club policies or operations, it should be addressed to the Board of Directors--either directly to their addresses or through the club address. WTFDA exists as an association of enthusiasts and is non-commercial. We're always happy to plug the business of a DXer who may have something unique to sell to fellow club members, but we do not solicit or receive donations of equipment such as FM tuners, and so forth, to review. We count on technically minded members to write such reviews for the benefit of the whole membership. WTFDA, due to its non-profit nature, depends on such volunteers--those who do submit such material without compensation.

TABLE OF CONTENTS

TECHNICAL TOPICS: Latest updates to WTFDA tech index.....	3
TELEVISION NEWS: WTVK-26 in Knoxville moves to ch 8 with new call....	4
SATELLITE NEWS: Canadian ANIK changes; MTV getting a western feed....	8
FCC FM NEWS: FCC allowing some FMs to go directional, NAB objects....	10
FM STATISTICS: The FM Scoreboard, and the States Stats.....	17
PHOTO NEWS: Tropo pix from a hot '88 help warm up February.....	18
WESTERN TV DX: DX surprises in December, lots of E-skip.....	21
EASTERN TV DX: F2 TV DX is back for the first time since '80.....	26
SOUTHERN FM DX: Double hop E-skip on FM in Australia.....	28
NORTHERN FM DX: More reports from the surprise November E-skip.....	29
ANARC UPDATE: 1988 was busy year for ANARC; pirates in N.Y.C. area....	36
INTERNATIONAL NOTES: TV DXing alive and well in England.....	38

TECHNICAL TOPICS

1989 UPDATES TO THE WTFDA TECHNICAL INDEX

ANTENNAS

- 094 DX'ing WITH INDOOR ANTENNAS - Manucci, 28 Jun 87 (2)

EQUIPMENT REVIEWS

- 096 ANTENNA NEWS - Wertman, 71 Sep 87 (1)
about the Channel Master #9520 rotor
- 099 SOME ANSWERS: BEST GEAR FOR TV & FM - Walczak,
39 Nov 87 (1)
- 104 1988: LEAP YEAR FOR FM TUNER PERFORMANCE -
38 May 88 (1) recent tuner breakthroughs; 3 very good models

F2 PROPAGATION

- 108 F-2 SKIP...GET READY - Stock, 42 Oct 88 (1)
prepare for increased F2 activity in the coming months!
- 110 TIPS FOR F2 TV DX'ing - Turcsany, 43 Dec 88 (1)

INTERNATIONAL BROADCASTING

- 095 INTERNATIONAL DX - 70 Sep 87 (1)
Transatlantic ES observed by a Dutch DX'er
- 097 TRANSATLANTIC E-SKIP: SOME OBSERVATIONS -
Emerson, 16 Oct 87 (1)

METEOR SCATTER PROPAGATION

- 090 METEOR SCATTER INSIGHTS - Fahber, 42 Dec 86 (1)

MISCELLANEOUS TECHNICAL TOPICS

- 100 AMATEUR RADIO TV - Stone, 25 May 86 (3); 3 Feb 88 (2)
- 102 IT'S MAY...TIME FOR E-SKIP DX!! - 33 May 88
a quick description of what to look for; skip effects
- 103 OBSERVING PATCHES OF SPORADIC-E IONIZATION -
Fahber, 34 May 88 (2) how to see noctilucent clouds
- 105 WEATHERADIO CANADA - Hepburn, 5 Jun 88 (2)
list of w/radio stations in Canada with power, call, freq, etc.

REGULATIONS, LAWS, & STANDARDS

- 089 ADVANCED TV SYSTEMS COMMITTEE B'CAST DEMO -
Monti, 7 Dec 86 (2) HDTV proposal & tests in Washington DC
- 091 ANARC UPDATE - Sprachman, 22 Jan 87 (3)
the Electronic Communications Privacy Act; the legality of DX'ing
- 036 WTFDA CLUB STANDARDS - 46 July 87 (1)
guidelines for computing DX distance records and totals
- 106 PROPOSAL TO REALLOCATE THE 120m & 90m SW BANDS
AND 225-230 MHz TO BROADCASTING IN THE US & CAN. -
Bueneman, 36 May 88 (2); Grant, 8 Jun 88 (3)

TECHNICAL TOPICS

- 092 THE NATURE OF DX, PARTS 1,2,&3 - McVey,
2 Feb 87 (5) propagation of VHF/UHF signals in the troposphere
- 098 30 Apr 87 (6) how Tropo DX occurs and where
7 Nov 87 (5) all about path loss, fading, etc.
- 101 TECHNICAL TOPICS - 20 Feb 88 (3)
a discussion about overloading, spurs, and intermods
- 107 TECHNICAL TOPICS - 16 Jly 88 (3)
spectral analysis of FM & TV bands and signals
- 109 TECHNICAL TOPICS - 3 Nov 88 (3)
Technical news: what's going on with HDTV

NOTE: complete index from 1979-present is available from club HQ or author.

Television news

Bill Fabber, editor
336 Atlantic Street
Bridgeton NJ 08302

ABBREVIATIONS USED IN THIS COLUMN:

ERP Effective Radiated Power
FCC Federal Communications Commission (USA)
MAX In the direction or elevation of maximum signal strength

FORUM

No research again this month, due to difficulty in arranging time to research at the library. Since the date comes from a college library, it becomes difficult to research during the limited hours of Christmas break and summer recess.

Tom Yingling brought to my attention the fact that a recent DX report included a logging of WGGF, ch. 55 in Lebanon PA. According to my records, that station's construction permit was cancelled around the middle of 1987, and was never reinstated. There haven't been any new applications for the channel recently, but that could be a result of the FCC's freeze on vacant channels. I wonder if the logging was really WL16 in Riverhead NY, which the DXer also logged in his report. Meanwhile, I would like for somebody to report to this column whether WGGF is definitely on the air or not.

One other topic of comment is the various loggings of an AVN (America's Value Network) station on channel 53 along the Atlantic coast last fall. I received a poor signal from it a few times myself, and did not see any proper station identification on the hour as should be for a full service television station. It had been suggested that the station might be WWAC-TV in Atlantic City NJ, which went off the air several years ago after one year of operation. The station was later sold to the former owners of the STV ch. 57 in Philadelphia. WWAC-TV was later granted a CP to reduce ERP from 2680 kw max to 12.2 kw max, with its location along the shore making it a good candidate for coastal tropes all the way up to Boston, as well as a weak signal here.

One more tidbit of information on a subject that may be confusing a few DXers in the Philadelphia-New Jersey region. I wasn't aware of this until an article appeared in the 1/77 Philadelphia Inquirer. "On Jan. 16, a brand-new TV station - WOCC-TV - plans to begin broadcasting all-sports programming on Channel 8. The station will be the first new commercial VHF station in the Philadelphia area since 1948, when Channel 10 went on the air. Paul Engle, owner and general manager of WOCC, says the station will broadcast from New Jersey Network's 1,100-foot tower in Waterford Works, in lower Camden County. The signal is designed to reach only Camden, Gloucester and Atlantic Counties. A test pattern that began airing on Christmas Eve, however, has been received clearly in parts of Philadelphia and as far away as Burlington,

Wilmington, and northern Cape May County, Engle said." "We hope to have the look of an ESPN," said Engle, "although the hard-core professional sports are not in the picture as of right now." Initially the station plans to broadcast daily from 4 p.m. to 1 a.m., expanding 'very quickly' to 12 or 13 hours a day. By the end of summer, Engle said, the station should have an 18-hour schedule." "He runs a commercial production company in Hammonton, Atlantic County, and will continue doing that. His production company provided a base for the station, he said, and its studios will be located in Hammonton at least for the time being. Though its signal is not wide-ranging, Engle said that, in accordance with [FCC] regulations, WOCC has installed electronic equipment that will guarantee that it does not interfere with stations that also broadcast on Channel 8 from Lancaster and from Hartford, Conn. WOCC went on the air at 8 p.m. Christmas Eve with a picture that said, 'Merry Christmas, South Jersey.' On Dec. 29, that was changed to 'Happy New Year.' On Jan. 1, a crawling message began to run across the bottom of the screen, asking people qualified in either sales or TV production to send in resumes."

I'm expecting a lot of confusion to arise out of some of the misinformation presented in this article as well as the station's identification. This station is actually LPTV station W08CC, licensed to Hammonton NJ, which went on the air a year or two ago, broadcasting nothing but very old movies. Its signal was extremely weak, and I never could get it in, despite its proximity. The Camden County newspaper included listings, calling the station WOCC. I had noticed that the newspaper had recently ceased including the station in its listings. After reading the article, I checked the channel to get it in. Surely enough there it was, calling itself WOCC, and still carrying the scrolling message as of 1/7/89. It announces that programming will begin on 1/17. The picture was fairly strong, with some snow. It gives its address as PO Box 888, Hammonton NJ 08037.

Now to the mail, starting with the Atlantic Coast area with MATT SITTEL (Raleigh NC), who reports, "WYED-17 Goldsboro, NC runs [Home Shopping Club] most days 24 hours, but deviates slightly on weekends to cover various minor sporting events. Comes in too strong - does anyone really use this channel? WRDC-16 runs mostly locally-produced religious programming, and is difficult to see due to 24-hour WYED. I've noticed that National Religious Programming on WEFC-38 Roanoke, VA, the one with the (714) AC phone number always on the screen. Also see the same on a yet-positively ID'ed 61, I assume WLXI, Greensboro, NC. Also, I recently saw an article on WBF1-47, Rocky Mount, NC, that said it was currently operating at 75,000 watts but was to increase to 3 million in December. As of 12/17, no change noticed. I assume this is what I've caught running the same (714) stuff as WEFC-38. Don't need another strong local."

"New to the air is W68BK - Raleigh, NC. Programmed from St. Augustine's College, it has been running video of old movies, but audio supposedly from WAUG-750, their AM station. Not sure what this LPTV is up to. The college is

FEBRUARY, 1989

TELEVISION NEWS - page 2

FEBRUARY, 1989

about 3 miles away from me, yet W68BK has a rather weak signal. Not sure of the transmitter location.

"Raleigh could certainly use a Public TV station, as WUNC-4 in Chapel Hill isn't the best signal. WUNP-36 Roanoke Rapids is a little too far, but many mornings is more watchable. WUNK-25 Greenville is blocked out often by WKFT-40 Fayetteville on that channel. WUNM-19 Jacksonville is too far also. I wonder what people 30 miles south of Raleigh do? Too far from almost all of them. I think somewhere in Fayetteville, or between there and Charlotte probably has the same gripe. It doesn't seem one station would solve the problem either. I'd put one between Raleigh and Fayetteville, one probably around Southern Pines. It would be interesting to see what CPT (Center for Public Television, NC's PBS network) says current coverages are! I can't imagine what people around Roanoke Rapids did before WUNP!" It must have been awful, going for months without seeing grown men and women wearing costumes and begging for money, making you feel guilty for watching without sending money. Fortunately PTL Club was on the air at the time.

"Also, noted program test for WEJC-20, Lexington, NC on 11/9/88 at 0117. TP said 'WEJC-TV 20 Lexington serving Piedmont North Carolina'. Not seen since. I wonder what power this will be?" I thought they signed on back on 4/16/86. You mean they weren't on yet? ERP should be 4616 kw max.

Matt also sent a postcard dated 1/2/89: "WTVK-26 Knoxville, TN is now WKXT-8. Apparently it's currently running at half power, I can get just audio in Kingsport of it. WHTT-28 Cookeville/Crossville in TN is on the air. No listings in TV Guide yet. Saw it running cartoons, westerns. Is ID'ing after the hour, up to 7 minutes after. Numerous, local ads. WCYB-5 Bristol, VA appears to be leaving a TP on all night. Sign-on is 0500." "The TBN on 36 is on in Nashville. This along with W24AE 'The Classified Channel'. W61AR still on. WJBF, Lebanon TN on."

BOB HORVITZ (Falls Church VA) sent two articles from Compuserve's Broadcast Professionals Forum. The first one involves PBS affiliate KVIE, ch. 6 in Sacramento CA: "On Friday morning, November 11, Channel 6 turned on the transmitter for the usual 6:15 AM sign-on. The operator expected to see color bars but instead saw a modulated stair-step signal from an unknown source."

"A Channel 6 engineer was dispatched to the transmitter site and noticed two Department of Defense vehicles on the Consumes River levee near Twin Cities road very close to the Walnut Grove antenna farm. The D.O.D. contingent consisted of two armed sergeants and a few civilians. One of the trucks had a trailer which was supporting a tripod mast with a microwave dish pointed in the general direction of Mount Diablo. The same trailer also supported a pneumatic telescoping mast with a UHF yagi antenna backed up by a solid corner reflector pointed in the direction of Sacramento. The D.O.D. people said they were transmitting on 'Channel 9.' KVIE operates on its STL, on the broadcast auxiliary 2 GHz band, channel 1

(Channel 9 of this is used for ENG purposes by KOVR). The armed guards would not let the KVIE engineer near the D.O.D. vehicles.

"The interference lasted about an hour and went away about 10 minutes following the encounter with the D.O.D. trucks. Whatever it was 'pegged' the signal strength meters on Channel 6's Farinon STL receivers and completely captured Channel 6's 20 watt STL signal, transmitted with a 15 foot dish from the Garden Highway studio."

Seel I was right after all! About a year or two ago I tried warning you WTFDA members that PBS stations were really fronts for covert CIA operations! That's why their existence is kept secret from many TV Guides and newspapers. But would you believe me? Nooooooo! Well, the truth is out now! All that money raised from the begathons has been rerouted to Nicaraguan freedom fighters. And if you have a PBS mug sitting in your china cabinet, you better have it X-rayed. It probably has a miniature listening device in it.

The second article is a TV Stereo Update: "According to the networks, here is the latest tally of affiliates able to transmit stereo audio to viewers:

"CBS TV reports that 65 of its affiliates have installed stereo transmitting equipment. The network says all of its programming is now distributed in 'stereo' although it admits that most of it is in synthesized stereo separation with only a few specials produced in true stereo. The network plans to begin producing stereo programming in the fall of 1989.

"NBC TV is still the leader in stereo with all of its prime time schedule except for 'Night Court' being produced in true stereo. The network's daytime serials, game shows and news programs are not in stereo and there are no plans at this time to expand them. NBC says 146 of its affiliates are transmitting stereo.

"ABC TV reports that 59 of its affiliates now broadcast stereo audio. Last June the network made a request of its program producers to begin submitting stereo programs for distribution; however the network says about 40% of its program schedule is in stereo.

"PBS says that 81 of its 332 affiliates are broadcasting in stereo with 215 expecting to convert within five years. PBS distributes about 72 hours of stereo programming per month." Did you hear that? Within five years 215 of their station will become covert. According to the latest research performed by a well-known scientist, the frequency used for the stereo subcarrier is ideal for the transmission of subliminal messages to the brain.

Now on to JOHN COMBS (Jacksonville FL), who reports, "WKCF-68 Clermont FL notes testing 12/14 at 0150 EST with standard 3/4 CB(X) & ID in [lower right]. Signal strength about equal to other Orlando-area U's. Noted w/regular] pmsg. later that day (Indie)." WKCF is supposed to operate at 5000 kw max ERP.

Two articles from RICHARD EDDIE (St. Louis MO): The 12/12/88 Post-Dispatch describes a woman with candy-coated pipe dreams of ending world conflict by creating an LPTV superstation. "Nancy Joyce calls herself a 'visionary' and sees

a 'superstation' rising in the fields of Jefferson County to beam throughout the world a television network set up by and for children. "We bought that 140 acre about two years ago to put the tower up," said Joyce, 34. "There's nothing there at this point but wonderful, beautiful, pristine woods." The plan seems simple and straightforward: Use an international cable network to broadcast video segments taped in the world's classrooms. That way the children would form a bond of communication that ultimately would lessen global tension. "We are applying now to the [FCC]," Joyce said. "Channel 6, we're looking at that one and hoping we'll get it." Maybe somebody should tell her that Jefferson County is within the Grade A contour of KSDK, channel 5 in St. Louis.

"Joyce, who graduated from Ladue High School but has no college degree, has firmly aligned herself with a coterie of California thinkers and educators. Many potential supporters say they are uncomfortable with the unconventional philosophies spawned on the West Coast, such as the New Age movement, which includes beliefs in the mystical power of crystals and channeling, in which a person claims to speak with the voice of a past life. The members of her board - 'A lot of them come from California,' Joyce said - have titles such as chairman of 'self-esteem,' 'global synergy' and 'land stewardship.' 'There are pieces of the New Age philosophy in it, but there are also pieces that go back to Plato,' Joyce said. "Because it's new, because people don't know where we're coming from, and because people have been burned in the past, I think they don't know what to make of it - also, because I'm coming out of the woodwork and am unknown. If they only talk to me, they will know whether I'm real or not real." I think the article provides enough information to determine that.

This other article is from the 12/9/88 *West County Journal*. "On Monday, Missouri Baptist College took over low-power UHF station K56CA (Channel 56) from its former owner, the St. Louis Metro Baptist Association. The new ownership initially will mean fewer programming changes for the 6-month-old, 100-watt station, said college president Patrick Copley. "We will basically [relay programs provided by] the American Christian Television System in the beginning," Copley said. "But we do have the capacity to develop local shows and we will be doing that in the future." The biggest imminent change will be a boost in the station's power from 100 to 1,000 watts, Copley said. The boost will allow the station to serve homes that lie within the loop created by I-270, Copley said."

Lastly, Richard reports that the following St. Louis stations have stereo: KSDK-5, KETC-9, KPLR-11, KDNL-30. He also says that he receives a "crummy" signal from K56CA "even with outdoor UHF antenna and amp. Maybe ch.56 will be better when they go 1000 watts."

A new station on the air, reported by RALPH STROBEL (Muncie IN). From a postcard dated 12/30/88, "This morning I discovered that WLIB ch. 63 - Bloomington-Indianapolis is on the air. They have HSN 24 hours a day. Their signal is as good as 42 in Bloomington but only when WINN-

63 is off air. WINN Angola from the back hurts WLIB at times." I guess the residents of the Indianapolis area no longer have to worry about insomnia. HSN has got to be the best thing since the invention of the test pattern.

Northwestern Indiana's new PBS station is already running into financial problems, as reported in two articles sent to me from WENDELL FORD. From the 11/14/88 *Gary Post Tribune*: "On Tuesday, Northwest Indiana's public television station, WYIN, Channel 56, will celebrate its first anniversary. It's been quite a year for the station with offices and studio at 8625 Indiana Place, tucked away just off of Mississippi Street and down the road from U.S. 30. Vandals and lightning have damaged its transmission tower. In September it ended its first quarter for the 1988-89 fiscal year with a net loss of \$131,312. The operating costs were \$650,000 the first year. That includes salaries for eight full-time and 11 part-time employees. Last month a creditor filed suit in U.S. District Court seeking payment of \$267,000 or the return of television and broadcasting equipment. But just how bad the station's situation will be is going to be largely up to the amount of financial support the station is able to generate in the coming year from area communities." "Those familiar with the station or public broadcasting agree that while unique, the station's problems are not unexpected. And until support for the station can be established in the community, the likelihood of more difficulties will continue to exist, they say."

The 12/22/88 *Gary Post Tribune* suggests one source of help: "Merrillville's WYIN-TV, Channel 56, is contemplating an offer made by a Chicago minister to buy time for religious broadcasting during hours the PBS station is not on the air. The Rev. Ricky Singleton of Word of Faith Fellowship of Chicago made a proposal to buy broadcast time between midnight and 3 a.m. on the board of Northwest Indiana Public Broadcasting, the organization which operates the station, and the board's attorneys are researching the legality of the offer. Station manager Richard Parker said selling time to Singleton or other independent broadcasters would need to be approved [by] PBS, the Corporation for Public Broadcasting and the National Telecommunications Information Agency." "The station has been troubled by money problems since it went on the air Nov. 15, 1987, and Singleton's proposal represents an attractive source of revenue."

Big changes in Minnesota, reported by JOHN EBELING (Bloomington MN). From the 12/15/88 *Minneapolis Star Tribune*: "TV Heaven 41' died and went to TV heaven Wednesday night. St. Cloud independent station KXLI, which in March introduced a heavily promoted oldies format that included '77 Sunset Strip,' 'McHale's Navy' and 'Gunsmoke' signed off at midnight and went dark. KXLI and its sister station in Rochester, Minn., KXLT, both owned by Halcomm Inc., will reemerge next year as affiliates of a new statewide UHF network. The network will combine the operating assets of the Halcomm stations, Twin Cities independent KTMA-Channel 23 and low-power TV stations in Brainerd, Bemidji and Grand Rapids owned by the Red River Broadcasting Corp. of

Fargo, N.D.

"Formation of the Minnesota Independent Network Inc. (MIN), said to be the largest network of UHF independents in the country, was announced at a press conference Wednesday afternoon by representatives of the three broadcasting companies involved." "MIN will begin operations March 1, when the Red River, KXLI's tower and transmitter, now near Big Lake, will be reassembled near Sauk Centre to maximize the reach of its signal. Construction is expected to be complete by early summer, at which time the channel number will be changed from 41 to 19. Low-power stations scheduled to be built in Austin and Park Rapids will sign on as MIN affiliates in the fall. The new network's transmission points will also include signal-boosting stations in Alexandria and Donnelly-Herman. MIN's programs initially will be pretty much what KTMA broadcasts now: TV series from the '60s and '70s and movies." [KTMA president and general manager Donald W.] O'Connor said MIN's formation was necessitated by WCCO's purchase last year of satellite stations in Alexandria and Walker, which led the Nielsen and Arbitron ratings services to expand the boundaries of the Twin Cities TV market."

Additional information comes from this article from the 12/15/88 *Duluth News-Tribune*: "Three UHF television organizations said Wednesday they have formed an independent network that will cover 56 counties in Minnesota and Wisconsin, placing it on a par with WCCO and KMSP television stations. The new corporation ... will be managed and operated from the Twin Cities with KTMA television - UHF channel 23 - serving as the flagship station, said Donald W. O'Connor, KTMA president and general manager. O'Connor will hold the same posts with the new network. O'Connor said the independent network, which will have 11 stations or facilities, is the first combined UHF expansion in broadcasting history."

John adds a few comments: "Red River TV (Fargo) will probably turn over their MN stations to MIN, but it was never specific in any article about that fact."

FRED McCORMACK (Fargo ND) sent an article on the same subject from the 12/15 *Fargo Forum*. The only additional piece of information in this article is that KTMA will change its call letters.

RANDY MILTIER (San Jose CA) sent an article from the 12/8/88 *San Jose Mercury News*: "And if you are a Santa Cruz or Monterey member of KTEH (Ch. 54), you probably got a letter recently

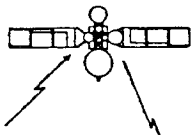
from the station talking about the door-to-door fund-raising efforts of a group called the California Community Television Network. CCTN has FCC approval to take over Channel 25, the longtime translator station for KTEH, which allows a lot of you in Santa Cruz, Monterey, Salinas and surrounding areas to pick up the San Jose PBS station over the air. So far, however, CCTN has been unable to get the station going, which would suit KTEH just fine, since it didn't want to give up the translator in the first place. Channel 54 estimates that about 20 percent of its 30,000 members live in Santa Cruz and Monterey counties and that without the translator to boost its signal, a lot of them will be without PBS. Officials at CCTN could not be reached for comment about their efforts to broadcast on Channel 25, a move that was approved by the FCC more than four years ago."

Randy adds, "The only other news is that KFTL-64 is on a regular schedule now. I'm not sure of their hours as they are not listed in TV Guide or the newspaper. Their programming is hodge-podge with religion being the main theme. KSMS-67, Salinas, is now seen in San Jose. Apparently they've increased their power as planned. Also, KICU-36 increased their antenna height and power (I think). They now interfere with KCBA-35 here."

The only Canadian letter this month is from DAVE SINCLAIR (Vancouver B.C.), who sent in an article from the 12/6/88 *Globe & Mail* about Rogers Cable. Rogers Communications Inc. is about to sell its U.S. cable television systems, located in such areas as Orange County CA, San Antonio, Portland, Minneapolis and Laredo TX, to Houston Industries Inc. for \$1.26-billion (U.S.) dollars. These facilities originally belonged to Scott Cable Communications Inc. of Irving, Tex., which had given the City of San Antonio first rights to purchase the facilities in that city if it were to be for sale. What Rogers took over the Scott properties, that right still existed. Now that Rogers wants to sell, the City of San Antonio would still have that right, but Rogers is paying the city \$25-million to turn down its right, allowing that facility to be included in the sale to Houston Industries Inc. Dave points out one thing in the article which describes a difference between Canada and the United States: In Canada, the CRTS controls the sale of cable companies. In the United States, that is mainly regulated by the municipalities.

That's it for this month. Next month's column should catch up on the research.

SATELLITE NEWS



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

There is really not a great deal happening of late. NBC has fully encoded its C Band feed on Satcom I - XPDR 8, but any and all NBC feeds are still very much in the clear on RCA/GE - K-2 at 81W. At this writing - KTLA, WPIX and KTVT are simulcasting on Satcom IV and Spacenet III - I am sure that when you read this they will all be exclusively on Spacenet III as reported in last months column.

There are still changes occurring on the Canadian ANIK C-3 at 117.5W in the K Band. It would be nice if someone could obtain a complete menu of what they are now offering in addition to past channels. Vision - the Canadian religious channel is operating on ANIK D2 at 110.5W in the C-Band. According to a recent issue of Broadcasting - 175 to 212 commercial satellite launches will occur between now and the year 2000. The USIA's Worldnet will be relaying C-Span in the near future.

CNBC - Consumer News and Business Channel will premier in Mid-April. Owned by NBC - its satellite and transponder assignment are unknown at this writing, but I would bet a Satcom or K bird.

Prime Sports Network is now on Satcom I - XPDR 24 replacing United Video of Denver. Does anyone know what is being transmitted on XPDR 15 of this bird????????? Someone is transmitting with a MAC system on Spacenet II - XPDR 21. CTNA is now on Satcom IV - XPDR 2 along with SportsChannel Plus and someone doing Home Shopping at times.

In Europe on the new Astra Satellite at 19.2 E the following are planned - The Landscape Channel, The Arts Channel, Lifestyle, Screensport, SKY - Eurosport, SKY - News, SKY - Movies and others to be named in the future.

RFO from France is noted on Intelsat V-F4 at 34.5 West using SECAM on XPDR 23 or 24. The French DBS bird = TDF I at 19W is now operating according to European sources with a 65 dBW eirp at beam center which is in France.

That's all for this time - see you in '30. Hope all had a great holiday season.

The December column was either delayed in the mails or was eaten by Santa. It was nonetheless a fairly slow month. There are a number of tid bits this month however. First: Gorizont 17 (which is a new replacement) if this is so - and I wouldn't doubt it for a minute with the signal I am getting here - it is putting in a fairly good signal here with Program II in SECAM Color. Also a sub-carrier radio service (the one with the Midnight In Moscow ID signal). The sound sub-carriers are not particularly strong, but (with distortion) listenable. This is on XPDR 8 H (on my DX receiver). The signal does vary considerably as Gorizonts have a noticeable wobble. This is at 11 West.

Gorizont 15 at 14 West also has some improvement in signal noted lately.

SATELLITE NEWS

(continued)

Intelsat VA F11 at 27.5 West - An additional Brightstar from London is on XPDR 22. TVE Canal America is still on XPDR 1 with both PAL and NTSC from Madrid. Programming is from both TVE 1 and TVE 2.

CNN is being carried on PanAmSat F1 XPDR 1V in the clear if you can get this. Signal from this bird here is almost non-existent and is heavily footprinted to areas of Latin America on C-Band. People with a 12' or larger dish in the south should try for this one.

Generally news feeds are carried on XPDR 23 and/or 24 on Intelsats V F6 - 18.5 W, 24.5 W - VA F10, and V F4 at 35.5 W. Intelsat V F3 at 53 W remains empty of West beam C-Band feeds except for the ITN/BBC feeds (for news) on XPDR 14 always in PAL Color. Sometimes they forget to cut to test pattern and continue with BBC-2 programming. Interesting.

On the StateSide -
MTV - West Coast Feed will be on Galaxy 3 - XPDR 18 - I don't know where Viewer's Choice 2 is going.

In Europe - Astra 1 should be operational now at 19.2 East. C-Span is now noted at times on Spacenet 2 - XPDR 21. This is also being noted at times on Intelsat VA F11 XPDR 18.

Lifetime West - now on Satcom 3 XPDR 17V
Lifetime East now on Galaxy 3 XPDR 20V

Prime Sports Network now on Satcom 1R - XPDR 24H

Does anybody know who the new VCIier is on Satcom 1 XPDR 13V?

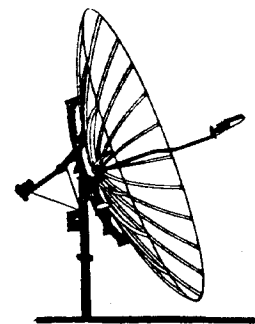
WPIX is now OFF Satcom IV

WSBK is now ON Galaxy 3 - XPDR 3

Zap previews on Spacenet 2 XPDR 11 - are now just a test-pattern.

The Nostalgia Channel is now running some ads - and I don't mean oldies. TNT may opt for an Hispanic TNT-type service on PanAmSat. Possible since most Turner films have been dubbed into Spanish for marketing purposes at their release years ago.

That's all for now - see you in '30. '73's.



WJCI FM NEWS

Readers' Reports—A VUD Exclusive!

From ANARC I got a notice about a broadcast engineers' meet on shortwave. It's designed for ham-type DXers, but others can call in, too. "All you need is a shortwave receiver. SBE chapter 73 on the air Sunday night Feb. 12, 1989, 14,205 mz (plus or minus interference), 7 p. m. EST. We'll have the officers and board members of the SBE on hand to moderate the discussion, and we're burning up the telephone lines to get other opinion leaders from our industry on frequency to add their two cents' worth. The way non-hams can participate is easy—we'll have a telephone "request line" set up so that you can phone in your comments as the meeting proceeds."

An FM Atlas reader in Canada: "I was most disappointed at the absence of network affiliation information in the Eleventh Edition, and hope that it will return for the next issue. Apart from this, I find the FM Atlas to be an excellent and most useful publication."

Another reader sent station news and Art Vuolo's MI Radioguide, which covers that state pretty well. Send Art one buck to cover handling and shipping (PO Box 219, Ypsilanti MI 48197).

Paul Gaines claims WSCI #89.3 Charleston SC broadcasts from the Aircraft Carrier Yorktown, in mothballs—at the harbor, I presume. He sent an item about WWJ-WJOI (97.1) being sold to CBS. Another reader wondered if WJOI would continue its b format once the sale is approved by the FCC. Leading the local ratings, WJBR AM, then WJLB FM, WHYT FM and WJOI. WJOI's 5.1 share is down from the spring's 5.8, taking it from third to fourth place.

WJAZ 96.7 Stamford CT has a new slogan, which could portend a format change: "The new place to relax." Bill Niennajdy would like a list of AOR AM stations in the U. S. and Canada. He doubts there are very many, but if you have such a list cluttering your brain, don't send it to me to publish. If I get such a list, I will send it along with Bill's FMedia! for his private amusement. He's heard rumor of a new AM station, "WVNJ," to come on the air on 1160 with 10 kw from Oakland NJ. If you know about this, send it to me for my private sending to Bill.

Jim Renfrew sent several corrections and updates to my data, some of which I've published already. He asked for the Rochester dial history, which was printed in this column last month. "I am unable to afford FMedia! at this time." He was in San Diego for Christmas, and I'm expecting him to send some station news back from that trip. "Though I'm an FM 'novice' I DX with the Sharp auto radio because my home is too close to the local antenna farm." He'd like to meet me if I come to the ARRS in May or WTPDA in August, as would Max Engel. Max writes: "I have just received the Dec. issue of VHF-UHF Digest, and I want to thank you for mentioning the articles I sent you. My wife and I look forward to seeing you at the 1989 convention in Syracuse NY. I am interested in receiving a new catalog of SCA radios that you have for sale. [Max, our new catalog is out. I think I sent you one, but if not, write again; the new one is printed in green.] ... Last year I purchased the Onkyo TX-88. I am not pleased with it because the stations spill all over. By this I mean when I tune to 103.5 I get the station on 103.7. On AM when I

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

WJOI to Dump b Format?

want 1210 WCAU Philadelphia, I get WJLB New York City, which is on 1190. I got in touch with Onkyo about this and they tell me that this is how the TX-88 is made and that this condition cannot be corrected. I tried an outside AM antenna, but it does not help. This receiver was \$400.00. I know at one time I sold Scott receivers. They cost less and perhaps they are better than the Onkyo TX-88 for DXing. If you feel there is no such thing as a good AM-FM-shortwave digital receiver, I would purchase an AM-FM digital receiver. A friend of mine who is an electronics engineer in PA and works mainly on computers tells me the Onkyo TX-88 probably is no good because it does not have quartz tuning."

Honorable Club Publisher Bill Thompson writes and explains about the sometimes poor print quality of my column. Some columns come in too light and the printer has to compensate, running everything darker. This results in my column sometimes appearing too dark. "It's been suggested that we require all editors to typeset their columns (as you do) or use laser printers. Some other DX club bulletins and newsletters are already doing this. Thanks for your recent coverage maps—they will make excellent covers on upcoming VUDs! Enjoying FMedia! immensely!"

Ralph Strobel, by way of Ernie Cooper, sent an item about David Letterman donating \$132,000 to the college he once attended, Ball State University, Muncie, to buy communication equipment and establish a scholarship program. A campus-only station will use WBST #92.1's old studios. Ralph sent something from "International Musician," Nov., 1988, reporting on a poll of listeners wanting more identification of artists on the air. "Ninety percent of the respondents said that in the past month they had wanted to know the name of a song they heard on the radio, but the disc jockey failed to identify it. Fifty-six percent of the total sample noted a general lack of back-announcing—identifying a record after it is played; that number rose to 61.2 percent among Top 40 listeners. A majority of both Top 40 and AOR listeners noted that they would like the radio to identify records as often as do music video channels, which include artists, song and label tags at the beginning of a video and again at the end." He sent a copy of a letter in the Ball State paper from Mack Harris, Piqua OH, complaining about the Bob and Tom Show, heard on WFBQ 94.7 Indianapolis. The hosts did their show on campus one day, and it was heard live on WFBQ. The open letter to the college president called it an absurd and awful program to associate with an Indiana institution of education. "I request you issue a bulletin, letter, or some other form of communication condemning that broadcast and promising that such lewd, vulgar, suggestive, erotic talk and laughter by such provocative radio 'personalities' will never be allowed on your campus again." Ralph says: "Whoever told you that 101.1 WSGS Hazard KY was now [stereo] is full of beans!" And Ralph's been busy logging meteor-scatter DX lately, mainly on 101.1.

So ends this part of the column. Now to the re-hash from last month's FMedia! And look, burned within, for the feature, "See also January VUD For."

New FM Station, Translator Grants

Selected translators only; more are in "FMedia," a newsletter I publish

AL Marion WJAM 97.5 \$, 1600 h.v.; 122 m, had a c-p for 103.9

AL Mobile #88.5 50000 h.v.; 138 m, d-a, g[ospel], Evangel Christian School

FCC—FM

CA Barstow #91.3 3000 h.v.; 4 m, RRCC Network, Inc. [Kidd Communications]
CA Kings Beach 107.7 3000 h.v.; -115 m./
CA San Diego KGMG-FM8 102.1 (located on Highway 52, 5603 Lodi St., at 32-50-37; 117-12-14, and a different translator from KGMG-FM1 and KGMG-FM6, both San Diego)
CA San Jacinto 96.1 3000 h.v.; 91 m
CA San Joaquin 105.5 3000 h.v.; 100 m, Susan Lundborg-SJ Bcstg. [Junction]
CO Cimarron K201 #98.1 (KJOL 90.3 Grand/ DE Fenwick Island 92.1 3000 h.v.; 100 m
DE Smyrna 92.9 3000 h.v.; 100 m
FL Cocoa # "Sharp," about 13 km West of Cocoa) W216AG #91.1 (WVFR 91.7 Okeechobee)
GA Ashburn WFM FM 91.7 3000 h.v.; 100 m
GA Irwinston 103.7 3000 h.v.; 100 m
ID Blackfoot 101.5 10000 h.v.; 305 m, Richard P. Bott, II [State Bd. of Ed.]
ID Twin Falls KBWS #91.7 2000h.v.; 150 m, 10/
IL Morrison 95.1 3000 h.v.; 100 m, M. Bcstg.
IN Clinton #93.9 1100 h.v.; 165 m, Doss, Inc., g
KY McKee (NW Mt. Vernon, SW Beattyville, at 37-23-39; 85-54-32) 107.9 2000 h.v.; 122 m
LA Basile 102.1 3000 h.v.; 100 m
MI Newberry WUPD 97.9 50000 h.v.; 107 m, to be m., "EZ, AC," Leon B. Van Dam
MN La Crescent (La Cross WI) 102.7 620 h.v.; 183 m, White Eagle Bcstg.
MS Itta Bena #91.7 3000 h.v.; 89 m, MS Valley/
MS Lexington 102.5 3000 h.v.; 100 m
MO Washington #89.9 1000 h.v.; 65 m, MO River Christian Bcstg., to be g [burg ID]
MT Dillon K288D #100.5 (KRIC 100.5 Rec./ NH Campton 105.7 3000 h.v.; 100 m, White Mtn. R. [Foundation, to be g
NH Nashua #88.3 300 h.v.; 22 m, N. Ed. Bcstg./ NY Arlington (Poughkeepsie) 96.9 300 h.v.; 308 m [Cortland Community College
NY Dryden #90.1 160 h.v.; 251 m, Tomkins/
NY Little Falls WQWB 105.5 3000 h.v.; 94 m
NC Hatteras 97.5 50000 h.v.; 150 m
OH West Union #89.5 3200 h.v.; 114 m, Xavier U. [stereo] [100 m, U. of Oklahoma
OK Spencer (Oklahoma City) #105.7 3000 h.v.; 94 m
PA Huntingdon 106.3 360 h.v.; 228 m, Mary Lou Maierhofer. This will accelerate the move of WRLR from 106.3 to 103.5, and forcing WKVR to leave #103.5 for #92.3
TN Sargeonsville #104.3 3000 h.v.; 37 m
TX Port Isabel 101.1 3000 h.v.; 91 m
UT Brian Head KREC 98.1 56200 h.v.; 770 m, to be [stereo], restoring previous grant
UT Payson 92.3 58 watts h.v.; 659 m
VA Skeggs (15 km SSE Grundy at 82-02-09) W257AV 99.3 (WJMD 97.7 Grundy) 122 m
WI Black R. Falls WWIS-FM 99.7 2000 h.v.; 100 m
WI Columbus 100.5 3000 h.v.; 100 m
BN Tijuana XHITC 88.7 c, "cultural, mono only, so far, and not to be confused with XHITZ 90.3, which is also in Tijuana." Technical parameters not known.
SO Nogales #XHSN 106.7. "FM Rulemakings," FMedia! (Arizona City AZ) had mention of this possible Class C station
"FM Atlas No. 11 is excellent." Eleventh edition almost sold out. Watch for a new one by this spring, with work on that edition just beginning with new CA maps.

Call Letters Assigned

AL Alexander City 106.1 WSTH "FM" (WSTH-FM; AM has new calls)
AL Andalusia 98.1 WWSF (from WKYD-FM)
AL Birmingham 99.5 WZRR (WLTB)
AK Anchorage 98.9 KYMG (KYG L)
AZ Sierra Vista 100.9 KFVN (KTATZ)
AR Helena 94.5 KJWV-FM (AM is in West Helena) [KBOK-FM
AR Malvern 93.3/ [AM has new calls)
CA Fresno 101.1 KFVG "FM" (KFVG-FM; CA Madera 92.1 KXMX (KHOT-FM)

KGAM Not a Wichita Station?

CA Santa Cruz 99.1 KLRS-FM (KLRS)
CA Santa Paula 96.7 KPXT (KIEZ)
CO Castle Rock 92.1 KZRZ (KADJ), "Z-Rock"
CO Pueblo 107.9 KRYP-FM (KRYT)
CO Wray 98.3 KATR "FM" (KRZD-FM)
FL Titusville 98.3 WGNF-FM (WSCF); AM is in Panama City FL
GA Lyons 92.5 WLYU
GA Royston 103.7 WBIC
HI Honolulu 100.3 KCCN
IL Mattson 101.3 WMC1 [Crystal L. IL]
IL Woodstock 105.5 WAIT-FM (WXET, AM is in/ IN Attica 95.7 WBQR, "Bruce Quinn Radio"
IA Dyersville 99.3 KDST (KXIX), [stereo]
KY Benton #90.5 WVHM, has vertical only
KY Catlettsburg 92.7 WCFM-FM (WKQI)
LA Opelousas 105.9 KFND
LA South Fort Polk 101.3 KZRO (KJDR)
MD Mountain Lake Park 98.9 WKHJ
MO Westport 92.7 WWPW (WEFS)
MA Harwich #90.3 WCCT "FM"
MI Cheboygan 105.1 WGFW (WQLZ)
MI Leland 94.3 WLEL
MI Muskegon 107.9 WMHG "FM"
MI Vassar 98.9 WFIZ
MN Appleton #91.3 KNOW "FM" (KWMN)
MN Cloquet #100.9 WSCN "FM" (WNSD "FM"), still mono talk, news
MN Two Harbors 104.3 WRSR
MS Starkville 106.1 WKYJ (WSMU-FM)
MT Bozeman 95.1 KUUB-FM (KUUB)
New Get Falls 100.3 KLTW
NV Henderson 95.5 KWNR (KLSQ)
NJ Villas 98.7 WVIL
NM Espanola 102.3 KEVQ "FM" (KEVR)
NM White Rock 101.1 KKBZ (KTJB)
NY Irondequoit 106.7 WUSB
NY New York 95.5 WPLJ (back to, from WWRP), r, but may go AOR with old djs rumored to be coming back
OH Gibsonsburg 95.7 WRFD
OH Milford 107.1 WRBZ (WJOJ), "Breeze," mj, PMN Breeze/New Age
OH Van Wert 98.9 WBYR (WKSJ), to 150 m (50000 h.v.), transmitter Edgerton IN
OH Youngstown #91.7 WYTN
PA Bloomsburg 106.5 WHLM (WHLM-FM)
PA Erie #81.1 WEFB
PA Philadelphia 95.7 WFLN-FM (WFLN)
SC Cheraw 103.3 WJMX-FM (WPDZ; AM is in Florence)
SC Florence 106.3 WYNN-FM (WJMX-FM)
SC Georgetown 97.7 WBPR (WGBM)
TN Humboldt 105.3 WLSZ
TN Bridgeport #90.5 KBBT (not KBIT)
TX Lubbock 94.5 KFMY "FM" (KFMY-FM; AM has new calls)
TX Sherman 104.1 KWSM
UT Nephi 92.7 KCDH
UT Provo 94.9 KKCY (KTOU)
WA Medical Lake 95.3 KAAR
WA Pullman 104.3 KHTR (KQQQ-FM)
WA Tappanish 92.9 KHYY (KZHR)
WV Charleston 102.7 WVSR-FM (WVSR); AM-FM simulcast [in Kennedy TX
WY Gillette 96.9 KAML-FM (KOLL-FM; AM is/

Facilities Changes Granted

CA Merced KBCY 106.3 1400 h.v.; 145 m
CA Santa Maria KXFM 99.1 2300 h.v.; 581 m, beaming from Tepusquet Peak, 22 km SE
FL Cape Coral WRCC 103.9 50000 h.v.; 83 m, Class C2 [h.v], transmitter Miami
FL Hialeah WCMQ-FM 92.3 188 m (31000/
FL Jacksonville WCRJ-FM 107.3 215 m (100000 h.v.), to be C1 [moved to 107.1)
FL Jupiter WJKSY 99.5 (from 96.7, not having/
FL Panama City WILN 105.9 50000 h.v.; 120 m
FL Panama City Beach WPCF-FM 100.1 1700 h.v.; 126 m
FL Pensacola WTKX 101.5 100000 h.v.; 193 m, site 2 km W. of Milton [87 m
FL Starke WTLG #88.3 7000 h.v./

February, 1989 [m

GA LaGrange WEKS-FM 104.1 50000 h.v.; 400/
GA Nashville WJYF 95.3 1200 h.v.; 151 m
GA Ringgold (new) 101.9 650 h.v.; 214 m
GA Rossville WLMX 105.5 80 m (3000 h.v.)
IL Chicago WKCC #89.3 34 m, d-a (250 h.v.)
IL Granite City WKBO 106.5 93000 h.v.; 313 m, transmitter Shrewsbury MO cemetery
IL Plano WSPY 107.1 1500 h.v.; 135 m
IL Robinson WTAJ-FM 101.7 1450 h.v.; 142 m
IN Elkhart WYEZ 100.7 15000 h.v.; 277 m
IA Fairfield KMCD-FM 95.9 2000 h.v.; 122 m, tower closer to Ottumwa; if it becomes a 6 kw Class A, it will cover latter city with a 60 dBu signal
KS Udell (not really "Wichita") #90.7 KGAM calls assigned. Although licensed Wichita, it will not serve Wichita with a primary signal; that explains why it can "strangely co-exist" with KSOF #91.1 Wichita. Apparently the FCC does not require 88-92 applicants to have to put a city-grade signal over the city of license. For the sake of geographic accuracy, I will treat it as a Udall station
KY Falmouth W10K 95.3 (remains there; not moving to 96.9)
ME Millinocket WSSY-FM 94.9 (from 97.7) 24000 h.v.; 211 m, Class C2
MA Cambridge WMBR #88.1 360 h.v. (87 m)
MA Falmouth WCIB 101.9 146 m (50000 h.v.)
MI East Jordan W1ZY 100.9 1300 h.v.; 149 m
MI Iron River WIKB-FM 99.1 (from 99.3) 50000 h.v.; 150 m, affects WEUL 98.9 Kingsford MI, which will probably move to 98.1
MI Sault Ste. Marie WCMZ #98.3 52 m (3000 h.v.) [changing its d-a pattern
MI Ypsilanti WEMU #89.1 155000 h.v.; 88 m./
MN New Ulm KXLP 93.1 149 m (100000 h.v.), transmitter 3.2 km NE Lake Crystal MN
MN Rochester KWKK 96.5 (from 96.7) 30900 h.v.; 190 m
MS Aberdeen WWZQ-FM 105.3 from 105.5
MS Clarksdale WKDJ 96.5 56 m (3000 h.v.)
MS Gulfport W237AM #95.3 has WBSN 89.1 New Orleans-origin, not WLN 95.3 Lumberton
MS Indianola W2XR 96.6 56 m (3000 h.v.)
MS Taylorsville WBBN 95.9 31000 h.v.; 190 m
MO Greenfield KXBR 93.5 1300 h.v.; 141 m
MO Kirksville KRXL 94.5 85400 h.v.; 308 m, transmitter 14 km ENE Kirksville. "They apparently aren't going to wait for KTVO's new tower—if it ever comes."
MO Mansfield KTRI 95.9 95 m (3000 h.v.)
MO Point Lookout KSOZ #90.5 (from 91.7) 40000 h.v. (234 m), C1 [150 m, C2
NE Nebraska City KNCY-FM 97.7 50000 h.v./
NV Jean (not "Jean Eric") K232CP 94.3
NM Farmington WTRA 102.1 303 m (100000)
NC Wilmington WWOQ 101.3 (from 100.9) [m, d-a
OH Cedarville WCDR #90.3 30000 h.v.; 109/
OH Chillicothe WFCB 94.3 6300 h.v.; 191 m
OH Defiance WZOM 105.9 100 m (3000 h.v.)
OH Toledo WLOR 101.5 19100 h.v. (247 m)
OH Xenia WDJR 95.3 3000 h.v.; 91 m
OH Zanesville WCWZ #92.7 noncommercial, same ownership as WCVO #104.9 Gahanna
OR Eugene KLCC #89.7 78000 h.v.; 361 m
KMGF 94.5 100000 h.v., 43000 v., 380 m
KZLF-FM 96.1 100000 h.v., 43000 v., 380 m
OR The Dalles KACI-FM 97.7 400 h.v.; 272 m
PA Carbondale WSGD-FM 94.3 520 h.v. (235 m)
SC Conway W204AM #88.7 (from W219AO 91.7) (from W204AH 88.7) [88.9)
SC Hemingway W219AR #91.7 [88.9)
SC Kingstree W204AL #88.7 (from W205AC/
SC Lake City WFGF 100.1 1300 h.v.; 147 m
SC Myrtle Beach WKZD-FM 101.7 37300 h.v.; 170 m
SC Newberry WNNX 106.3 100 m (3000 h.v.)
TN Cleveland WUSY 100.7 363 m (100000 h.v.)
transmitter 3 km W. Falling Water TN
TN Waverly WVRV 105.1 (from 104.9) 50000 h.v.; 150 m [h.v.; 100 m
TX Clifton (new) 103.3 (not 104.3) 3000/

TX Odessa KOCV *91.3 78 m (5000 h.v)
VA Charlottesville WQMZ 95.1 (from 95.3), still
Class A (1137 m), Class B1
VA Colonial Heights WKHK 95.3 13200 h.v/
VA Waynesboro WCQR *90.1 2500 h.v; 313 m
WA Newport KMJY-FM 104.9 -10 m (2000 h.v)
WI Evansville WEWU 105.9 1200 h.v; 154 m
WI Tomah (NEB) 94.5 3000 h.v; 100 m
PR Ponce WQCD 105.1 50000 h.v; -55 m

Stereo, or to Be Stereo

CA Modesto KADV *90.5, testing with "conser-
 vative g sounds"
LA Lafayette KSJY *90.9
MD Mechanicsville WQMR 98.3, "98 Star—just
 like Baltimore's '92-Star."
MI Alma WFYC-FM 104.9
MI Atlanta WAIR 92.5 m (softer rock), "92.5
 W-Air," with CBS news
MN Duluth WNCB *89.5
NV Carson City KNIB *91.3, "duplicating KNIS
 94.7 Carson City 100%. The owners haven't
 decided what to do next: If it's legal to
 co-own commercial-band and educational
 facilities in the same market, they may carry
 on one and traditional go on the other. If
 not, they'll sell KNIS and buy into a new
 market, or use the money to upgrade KNIB."
NJ Canton WANN 101.7
NJ Cape May Court House WBNJ 105.5, still m
NJ Wayne WPCS-FM *88.7 r, top 40, "Laser Hits
 89 PSC" (fairly strict)
NM Farmington KPCL 95.7, g, commercial
NH Hatch KWQQ 101.1, on air
NY Fredonia (new) 96.5
PA Lancaster WLCH *91.3, still Latin/Spanish
PA Lincoln University WLIU *88.7, still j
RI Block Island WBLD 99.3
TN Lobelville WIST 94.3 was to have embraced \$
 by Christmas day. "Will be 50 kw ERP
 around March-April '89, moving to 94.9..."

May go Stereo

FL Apopka WTLN-FM 95.3, applies for dual
 frequency studio-to-transmitter link at Alta-
 monte Springs FL on 944.375 and 944.625
 m.z. It would either be used for FM stereo, or
 for separate AM-FM programming. FL DXers
 please check to see if this station embraces \$

Monophonic

KY Hazard WSGS 101.1. "I've checked the past
 three days; no stereo, and NEVER has had a
 signal."
OH Cincinnati WJVS *88.3, "the only mono
 station on the list"

Format Changes

Formats are the same as in the "FM Atlas"
AL Auburn WEGJ *91.1 p, \$, 3000 h.v; 65 m
AZ Tucson KJYK 94.9 m, "Cloud-95 FM"
CA Crescent North KPQD-FM 97.9 to be rj
 "Don't know if they'll be stereo; the power
 went out at the station just as I was asking the
 d-j, who had to go and reset all the
 equipment."
CA South Lake Tahoe KTHO-FM 102.9 b, now
 on **Genoa Peak** with stereo. "Sometimes
 they're in stereo and sometimes they're not;
 they seem to have a problem with the
 equipment... Their music is b; ever-so-slightly
 upbeat elevator music from four-hour open-
 relay tapes."
FL Riviera Beach WMXQ 94.3 r, mix of
 '60s-'80s, as well as current hits.
FL Williston WFEZ 92.1 r (top 40), "Florida's
 Hot 92.1" (strict). "I enjoy FMedial and
 think your FM Atlas is tops."
IL Casey WCBH 104.3 rp, not r
IL Elsh WTPC *95.5 rs, "new wave, top 40,
 urban contemporary." \$[tereo]
IL Litchfield WSMI-FM 106.1 [lock], "Car

Tunes 106" ("seemed strict")
IA Iowa City KKRQ 100.7 r
LA Houma KHOM 104.1 r (oldies)
MI Port Huron WDRW *91.9 r, "no jazz"
MN St. Louis Park KJJO-FM 104.1 rp, "Rock-
 104" (strict)
MO Ballwin KYMC *89.7 rp, \$
MO Clayton KWUR *90.3 pj, \$
MO Ste. Genevieve KSTZ 105.7 r, "adult
 contemporary/top 40"
MO St. Louis KBDY *89.9 jt, mono
KMJM 107.7 s, "urban contemporary"
NE Omaha KGOR 99.9 r (oldies)
NV Pahrump KUDA 107.5 to be r (oldies)
NV Reno KOZZ 105.7 rp, "album rock"
NH Manchester WZID 95.7 rm, "all light rock."
 NonID: "New Hampshire's Bright FM"

NM Bloomfield KMYO 104.5 m, \$
NY Buffalo WJYE 96.1 m, "soft ac"
NY DeRuyter (Syracuse) WIOV 105.1 c (from g)
OH Cleveland WPHR 107.9 r, "all CHR format"
PA Jersey Shore WYRS 97.7 sr, "simulcast with
 WPPA 1340 Williamsport," drops Stereo,
 using WPPA's monophonic equipment.
PA Philadelphia WPEB *88.1, an elusive and
 poorly-received station, is known to operate
 at least on Sundays from 11 a. m. to 1 p. m.
 Not known if stereo.

WKDU *91.7 p, mono, sharing with **WPWT**
 *91.7, sr, \$, Correct FMistake **FM Atlas-11**,
WPMT is 180 h, not "d," p. 142.

TX Canadian KEZP 103.1 k[country]
TX Lorenzo KVQQ 98.1 r, back to (from b)
VA Cape Charles WKSJ 96.1 rs, "Kiss 96."
 "Prospero Ano Nuevo 1989 amigo mio!"
VA Manassas WJFK 106.7 tr, dropping nite j
VA Williamsburg WQSF 96.5 m, soft ac, "Soft
 96" [contemporary]
WA Wenatchee KSSY 104.9 m, "adult/
WV Ravenswood WRZZ 106.1 r, "top 40, sounds
 quite good. NonID is 'Z-106'; multi-city ID:
 Ravenswood-Ripley-Parkersburg"
WI Clintonville WJMQ 92.1 rm, "SMN adult
 contemporary"

On Air (Selected)

AZ Flagstaff-KRGX 100.3 Globe mentions
 having a Flagstaff translator in its ID, but no
 such translator listed
AR Siloam Springs KLR C *101.1, having moved
 from 90.3, "and its signal in the Fayetteville
 AR area is much improved"
UT Centerville KCGL 105.7, having moved from
 105.5, still g, \$

Off Air, or Not Yet On

AR Fayetteville KUAF *91.3: "Some sort of
 delay on their new directional antenna"
CA Fresno KFNO *90.3, hoping to be on by now
CA Ukiah KMRJ 105.9, "but is hoping to debut
 about Jan. 1. My contact there... should be
 writing you regarding FMedial as he expressed
 an interest in it"
IN Columbia City WZRQ 106.3 "still off the air"
ME Madawaska W296AG 107.1, with a different
 primary from WQZI 101.7 Presque Isle, "but
 couldn't ID before out of range"
NE Crete KKNB 104.1. "They signed off in
 March and have not been on since. Will have
 their studios in Lincoln when they return,
 using the tower south of Lincoln shared with
 KTGL 92.9 Beatrice, KUCV *90.9 Lincoln."
N8 Saint John CKO-FM 10 99.7
NS Bay St. Lawrence CBIB *90.1
NS Cheticamp CFQM- 94.1 and the new 99.9
 "were also quiet"
NS Eskason CKNU 99.1
ON London CHRW 94.7 still on low power, not
 yet having moved to 5000 h.v. is considering
 a new tower site on H. Beal Secondary
 School, Dundas at Maidland Streets, for
 \$150/month, compared to the \$15,000/

month that TV Ontario would charge for use
 of their tower. CHRW is allowed to play up to
 four minutes of commercials an hour.

Deletions

AR Fayetteville K240AS 95.9 had been licensed,
 but remains off the air and presumed deleted
LA Monroe (new) *90.3, "grant rescinded and
 reinstated in pending status"
ME Van Buren W280AG 103.9, an unbuild c-p;
 similarly, the new Van Buren 98.1 station (no
 calls assigned) remains off the air
MS Belzoni WVRD 107.1
OH Xenia W252AS 98.3, a c-p never built. "I
 can't tune it in, and it is unlikely because of
 the proximity to another *98.3 station in
 Kettering."

SC Services, 67 and 92 kHz

IL Dixon WIXN-FM 101.7 tSU, 67, "telemetry
 and RPU relay/talkback"
IL Rock Island WVIK *90.1 its tT for the blind
 will be 67 kHz. "We have 512 receivers in
 stock, ready to distribute when the service
 gets underway Jan. 16."
WI Baraboo-Madison WILV 94.9 tC, relays
WLYJ 106.5 Marshfield WLV, 67 kHz, "for
 farm program," SCA on all the time. No
 nonID, spurs "Love Stereo 94.9"

FMistakes, FM Atlas-11, VUD Col-

AK Homer KWVV (not "KMVV"), p. 99,
 FMA-11 [from p. 130, FMA-11
CO Hartsel K201AS *88.5 (KWBI91.1) omitted/
FL Fort Lauderdale WAFG (not "WAFB"), p.
 103, FMA-11 [Jan.]
IN Charleston 104.3 (town misspelled).
MI Jackson WJXD 106.1 is 51 km (not "5"), p.
 109, FMA-11
OH Beaver Creek is located between Dayton and
 Xenia: "It is incorrect on the map," p. 40,
 FMA-11

NonIDs, Not Just Slogans

CA Carnelian Bay KODS 103.7 Oldies 104
DE Wilmington WSTW 93.7 no nonID, throwing
 stones at "Rock 93.7"
IL Alton KATZ-FM 100.3 Z-100.3 (strict),
 poisoning "Katz FM," ID with St. Louis MO
 about five minutes to each hour
IL Champaign WHMS 97.5 EZ 97-5 (not strict);
 ID with Urbana, still b
IN Danville WSYW on air, "Symphony-107"
 (strict), dual city ID with Indianapolis; on 24
 hours, c, \$. "I wonder how long a c format
 will last? WSYW doesn't get out over this way
 as it did when it was WGRF."
IA Decorah KRDI 100.9 Music-101, not strict, r
MI Grand Rapids WJFM 93.7 Classic Hits 93.7:
 "they frequently give this without call
 letters."
MI Greenville WPLB-FM 107.3 Country-108
 (not strict). "A format/call change could
 happen soon!"
MI Sandusky WTVG 97.7 FM-97 used more
 often than "Stereo 97 FM"
MN Detroit Lakes KKDL 95.1 (having moved
 from 95.3) "Country 95" (strict); ID with
 Fargo (ND)-Moorhead MN
NJ New Brunswick WMOG 98.3 no nonID (rubs
 out "Magic 98," except with calls)
NJ Trenton WPST 97.5 no nonID
NY New York WYNY 103.5 Country 103.5
OH Cleveland WNCX 98.5 no nonID, spurs
 "98.5 WNCX," throwing out as too pugna-
 cious "Classic Hits"
WDAL 104.1 Easy 104 (not "Q-104")
PA Bethlehem WLEV 96.1 no nonID, rendering
 to ordinary status "The Superstation"
PA Philadelphia WXTU 92.5 no nonID, turning
 "Country 92" to pasture
WYSP 94.1 no nonID, no more "94-YSP"

PA Pittsburgh WYDD 104.7 Power 105
PA Punxsutawney WPXZ 105.5 105-PXZ
UT Ogden KKGK 97.9 98 FM-KGB
WV Buckhannon WWCW *92.1 C-92, mono
WV Saint Marys WRRR-FM 93.9 W3R

Multi-City IDs in Use

AL Jasper WZBQ-FM 102.5 with Birmingham
CT Willimantic WLI-FM 98.3 "not with some-
 thing modest and honest, considering the
 hilly terrain, like Willimantic-Storrs-Norwich,
 but brazenly Willimantic-NEW LONDON-
 HARTFORD. Any comments from area
 readers on that one?"
KY Hopkinsville WZFF 100.3 with Murray and
 Clarksville (TN), "no mention of Madison-
 ville," still "Z-100" (strict)
OH Marietta WEYQ 102.1 Q-102 [(strict)
PA Faston W00Q 99.9 with Allentown, Q-100/

See Also January VUD For

[p. 25]
FL Orlando W01Z 100.3 rp format, Coniglio/
FL Pensacola W0WW 107.3 ID with Mobile (AL)
 and Fort Walton Beach, Coniglio, p. 25
LA Crowley KAJN 102.9 FM-103 nonID,
 Coniglio, p. 25 [(strict), Nieman, p. 22
MI Midland-WKQZ 93.3 rp format, "Z-93"/
NJ Hackensack WNTI *91.9 \$[tereo], jr,
 Nieman, p. 22 [Kretschmer, p. 24
NY Gouverneur WGIX 95.3 95-X nonID./
NY New York WHCR *90.3 j; (monophonic?);
 Nienjadaj, p. 23 [nonID, Coniglio, p. 25
NY Watershed WBMW 107.7 107-7 The Wave/
PA Grove City WRKU 95.1 K-Rock nonID,
 Coniglio, p. 25
VA Crewe WSVS-FM 104.7 k format, Fela, p. 25

**AM Happenings Most Likely Caused
 by FM (selected; more are in FMedial)**

AL Dothan WAGF 1320 silent
NJ Dover WMMH 1510 silent
NY New York WNBC. "65 Years of WNBC"
 history broadcast that ran on this once-venerable
 AM station is available in cassette format, as is
 the four-hour radio reunion that followed on the
 Alan Colmes show. "Anyone interested in
 purchasing these tapes should contact me [Philip
 Michael Martin, No. 1 Market Airchicks, PO Box
 568, East Hanover NJ 07936] and mention
 FMedial. The History tape is 90 minutes and costs
 \$5.50; the reunion will be about 3+ hours, music
 and spots edited, \$8." Ask him about a discount
 for both tapes, and write for his new catalog,
 "which will include 25 new listings" of stations
 and/or markets airchecked.
DR Myrtle Creek KRGL 1360 AM off air and
 facility abandoned.
PA Erie WRIE 1330 AM. Auction held Dec. 15,
 with sale including broadcast license, equipment
 and 25 acres of commercial real estate.
PA "I think you can understand why I want to
 remain anonymous—I work for the Hearst Corp.,
 which owns quite a few AM stations in addition
 to FMs WHTX, WIYY, etc. They want their AMs
 to be successful, and I could find myself in trouble
 if they found out that I was so outspoken against
 it... I'd still like to hear it from the AM
 aficionados why, as we near the 21st Century, we
 still need this antiquated system of broadcasting.
 The AM system as we know it has but one
 advantage over FM, namely its ability to cover
 long distances via nighttime skywave propagation.
 But this advantage is being negated by having so
 many stations on each channel to interfere with
 one another... Maybe we should bring back
 Morse Code and smoke signals! And 78 rpm
 records, and even Edison cylinders."
 "One could listen an FM/AM radio to a
 combination CD player/wind-up 78-rpm phono-
 graph. An incongruity if I ever heard of one! We

don't have ice boxes sitting alongside refrigera-
 tors on our kitchens.
 "The AM aficionados have challenged you as to
 whether you would accept a new system of radio,
 if invented, that would be better than FM. I
 certainly would, but I'd like to ask where is the
 incentive for anyone to develop such a system,
 seeing the trouble that Maj. Armstrong went
 through to gain acceptance of his FM system?
 What was done to him was criminal. If FM was
 accepted with open arms when invented, we
 would undoubtedly have better radio today,
 partly from Armstrong's own further efforts."
VA Richmond WANI 1320 silent.

WA Mountlake Terrace KKZU 1510 AM deleted
 "hot-we-need-most-to-put-AM-back-in-the-
 mainstream."

A consulting engineers' newsletter is advising AM
 stations surviving on frequencies where other
 stations having financial problems have gone off
 the air to consider changing any engineering
 protections they may have had to provide the
 off-air broadcaster and/or buying the equipment
 of the former station, "selling, junking or
 keeping it, on condition that the holder of the
 license return that to the Commission for
 cancellation. This may be attractive if the
 troubled licensee has a successful FM in the
 market and is hesitant about selling its AM for
 fear of competition," thus enabling the frequency
 to go "out of the market."
 "I've enjoyed the year of timely information and
 the anonymous discussions of programming
 motives and listener reaction."

Satellite Translator Abuse Applications, including
 those giving deceptive cities of location or
 service, by Noncommercial Licensees (see this
 feature in FMedial)

"I really support your stand on the flooding of
 applications from Family Radio and other
 groups. I have several problems with centralized
 use of radio; i.e., if a local group wants a
 low-power station with original programs, that
 would be best—next best would be a local
 group finding a fairly-nearby station and setting
 up a translator... Then there is the issue of
 misrepresentation of locations. Being an advocate
 of free speech, although I frequently disagree
 with some of the stands I hear on these
 stations, and also feel that they presume a lot
 when they appear to have all the answers, I
 would not put them off the air if I could, unless
 they were using funds improperly. Your stand
 really shows courage, and I feel the work you
 are doing is important. That is why, even
 though I am still without work income, I am
 renewing my newsletter subscription."
 "I just got the new FMedial in the mail the
 other day, and really had my attention grabbed
 with your comments on the Family Stations
 Petition to Deny. I wholeheartedly support
 your petition... I have called and talked to
 Ron Marland in CA asking for a copy of their
 application (for "Long Island" [Kodiak] AK),
 which he said he would mail along to me.
 [Later] he said that they would not be sending
 me any information, and that it was only
 available through the FCC. He did comment
 that he saw my comments in FMedial and was
 not very helpful this time around... Please
 note that I am not trying to 'pick' on Family
 Stations, and certainly have nothing against
 religious broadcasters. I am only perturbed at
 the sneaky way that they are applying for
 stations in areas that are already well-served.
 Indeed, I think if these organizations were truly
 interested in reaching out to the Alaskan Bush,
 they should try applying to serve any of the
 hundreds of other communities which do not
 already have religious programming available to
 them. There are probably at least a hundred

small villages who would genuinely welcome a
 translator of this sort. That is where they could
 really be doing some good, along with giving
 the community perhaps its first-ever FM transla-
 tor... I consider myself a good Christian, and
 even support financially the local Moody transla-
 tor (operated by local Christian Radio of
 Kodiak), so I am not anti-religion by any
 stretch of the imagination. As you quoted me
 in the Dec. FMedial, I honestly find these type
 of applications misleading and dishonest, espe-
 cially for a religious station. Of all types of
 applications, I would expect theirs to be the
 most straight-forward, exact, and sincere."

**FCC Backs Down on Satellite-Programmed
 Translators — Less Abuse Possible?**

In what could make this section of "FCC-
 FM" obsolete, the FCC has reacted to petitions
 by NFCB, NAB, NPR and others and informally
 proposed to modify the rules to allow translators
 which get their programming by ways other than
 direct off-air pickup to demonstrate conclu-
 sively that:
 1) The transmitter of the proposed translator
 is located within 160 km of the full service
 station to rebroadcast; or
 2) If the transmitter is over 160 km away,
 the noncommercial educational FM translator
 will not utilize the last available educational FM
 frequency in the area if the application is
 granted, with site selection criteria and 1 mv/m
 coverage area specified in Sec. 73.509(b) of the
 Commission's rules.
 It has been weeks now since "abuse"
 applications have been filed, with all of the
 applications in November or early December.
 No FCC "cut-off" list has appeared mentioning
 satellite-delivered translators, since that which I
 protested, the Dec. 2 list. It looks for now that
 Family Stations, Inc. has been stopped cold in
 its tracks, but in analyzing various applications,
 most seem to be filed for special alternate
 local stations, thereby not precluding full-service
 station usurpation—a well-planned stratagem...
 The December issue of "NFCB News,"
 publication of the National Federation of
 Community Broadcasters, included an article
 by me on FM translator abuse, and mentions
 my Petition to Deny "against 11 translator
 applications of Family Stations. I have included
 excerpts from that petition. You may want to
 borrow some of the arguments if you find
 yourself filing a petition." Rich McClair, KCAW
 *104.7 Sitka AK, who edited that issue, is
 himself a translator operator, several of which
 get their signals via satellite, instead of directly
 over the air, but all are in the same 160-km area
 of the primary. He would tighten the present
 FCC rule to forbid satellite-delivered translators
 in cities having two educational channels open,
 not just one.

FM Rulemakings (Selected)

First date below is deadline for filing comments
 at FCC; second date is for replies. Stations
 affected, if any, are listed before the dates
FL Vero Beach—John C. Quale and Jerry V.
 Haines, attorneys for Gilmore Broadcasting
 (WLVE FM), file petition to reconsider
 recent FCC rulemaking
FL West Palm Beach—Joseph A. Belisle, attorney
 for Guy Barnett Publishing Co., files a
 petition for reconsideration with the FCC
GA Bartow 101.3A, counterproposal
GA Unadilla 101.3A, counterproposal
IN Clarksville (Owen-Jackson) 93.1A or Laness-
 ville (Janet Miller) 93.1A, Clarksville site
 would have to be 7.3 km W to avoid
 short-spacing to WLVK-FM 92.9C1 Lexington
 KY and to WXLN 103.9A Louisville, Jan. 20,
 Feb. 6. [February 2, 17
IA Grinnell 106.7C2 for A, KICL./

IA Maquoketa 95.5C2 for 95.3A, KMAQ-FM, counterproposal
IA Webster City 95.7C2 for 95.9A, KQWC-FM, counterproposal. This would require the substitution of 95.5A for unused 95.7A at Belle Plaine IA and 96.3A for 95.7A at Winterset IA. The FCC declined to give Glenn Olson, Gorch Radio Corp. (KQWC-FM) additional time to make comments in this proceeding.
NV Eiko 93.7C2 for 93.5A, KLKO, Feb. 2, 17
NM Kirtland 102.9C, counterproposal
NY Essex 101.3A, Feb. 2, 17
OH Shadyside 95.7B1 for A, WBZY, Feb. 2, 17
OR Lebanon 103.7C for C1, KIQY, Feb. 2, 17
SD Rapid City 104.1C1 for 104.3C, affects construction permit [17, Feb. 1]
TN Paris WMUF-AM asks for 94.1A, Jan./TX Bryan, Cameron, Creedmoor, Huntsville, La Grange, New Ulm—Martin R. Leader, David O. Oxenfeld and John K. Hane, attorneys for Hick Communications, Inc., file petitions for reconsideration of FCC actions
VA Broadway 93.1A for 95.5A, WLTK, to be reimbursed by WAZR (see below)
VA Woodstock 96.1B1 for 95.9A, WAZR, site to be 24 km SW to avoid problems with WHUR 96.3B Washington DC and WHTX 96.1B Pittsburgh PA, replies by Jan. 13.
WI Chippewa Falls—Barry J. Fleishman, attorney for Roland L. Bushland, WCFW, asks for reconsideration of assignment of 105.9C2 to Red Wing MN

Dates are when FCC filing windows are open
AL Cordova 95.3A for 92.9A, WFFN, site to be 9.4 km N to avoid overlap with co-owned WTUG Tuscaloosa
AL Demopolis 106.5C2 for 106.3A, WZJN, site to be 26 km SE to avoid short spacing to 106.5A Bay Minette AL and Vernon AL.
AL Evergreen 93.3C2 for 93.5A, WEGN.
AL Hartselle 106.1A, site to be 3 km SE, Jan. 17-Feb. 17
AL Linden 98.5C2 for 107.1A, WDAL, site to be 14 km E to avoid short spacing to WYKK 98.3A Quitman MS.
AL Marion 97.5A for 103.9A, WJAM, getting resurrected, site 2 km N to avoid short spacing to WABB-FM 97.5C Mobile.
AL Sheffield 106.3C2 for A, WBTG-FM
AL Tuscaloosa 92.9C2 for 92.7A, WTUG, at a site 24 km E.

AZ Arizona City denied Alpha Group's proposal to change 106.3A to 106.5C2 or 106.5A, which would have affected KXMK. Site too close to "XHNS 106.7C Nogales SO." Move to 106.5A seen as helping eliminate interference caused KXMK by K292CM Summerhaven AZ, a translator KLPX 96.1 Tucson objects to. KXMK's technical consultant is C. R. Cristler, licensee of K292CM. I wonder if the FCC really means XHNS 105.9 Nogales, and not "XHNS 106.7"?

AR North Little Rock 101.1A, site to be 9.3 km NW to avoid short spacings to KLRE 90.5C2 and 101.3A Pine Bluff AR, Jan. 10-Feb. 9.
FL Five Points 106.5A, site to be 4.1 km NW to avoid a short spacing to WEAG-FM 106.3A Starke FL, until Jan. 12.
HI Hilo 92.7C1 for A no filing window, affects KHHI (see Dec., p. 5)

FCC Approves FM Directionals, Short Spacing, NAB Irked

Sure to give certain FM stations more flexibility in upgrading, the FCC has bent its rules to allow reduced spacings to other stations on the same or nearby channels. Stations are often faced with four obstacles in finding a site: zoning restrictions, air safety regulations, FCC principal city coverage (70 dBu), and distance separation rules. No official text has come out,

and I have been working with a broadcaster on a complex series of upgrades. We have had to assume use of the old rules until word is out exactly how much fudging and under what circumstances it will be allowed. Stations opting for reduced spacing would have to agree to receive interference in the new zone, but nothing is said about interference the station would cause existing stations.

Opposition to the change came from within the FCC, principally James Quello, the commissioner known to be most opposed to FM translators/low power FM. Quello would have preferred a go-slow approach, allowing only stations facing loss of a site due to zoning changes, loss of land or other circumstances "beyond the broadcaster's control." For now, the FCC's only considering short spacings of 8 km (5 miles) or less.

The National Association of Broadcasters feels the move will reduce service to the public. NAB chieftain Eddie Fritts: "Authorization of directional antennas will lead to a 'contour' system of allocating FM stations. As with the difficult situation faced by AM broadcasting, a change to a contour protection system will increase interference among FM stations," and he charges FM directional antenna design doesn't provide for much protection against interference. What Fritts doesn't say is that directional antennae are already in use at many FM stations, especially those along the coasts, and in the educational band (88-92 mc). The educational band is allocated strictly by a contour system, not a kilometerage/mileage system like in the commercial band (92-108 mc). Readers might want to consider whether they've experienced more interference tuning in stations on the educational part of the band than on the commercial part of the band.

FM Atlas Publishing has just produced a new chart showing FM station classes with minimum distance separations in km and miles. It recognizes the proposed Class C3 and the 6 kw proposal for Class A stations. I've found this material very helpful as I set about trying to reallocate part of the spectrum in a major market. DXers can get that for \$3.00, which also includes the metric coverage curves for FM (along with the old nonmetric curves and instructions for do-it-yourself FM station coverage computing). Our 1989 radios and electronics catalog is available for an SASE, or free with another order. I also have rewritten the article, "SCA: Radio the FCC Doesn't Want You to Own." That is still available for one dollar cash, or four mint 23 cent stamps from me at the address at the top of this column.

Changes in City of License May Become Easier for FM (and TV)

Hassle-free changes in cities of license are next on the FCC's year-end wish list to FM and TV broadcasters. Locked in as they are to a Table of Allocations, FM and TV stations have their city of license specified for them. To change is the ultimate heresy, inviting thousands of potential competitors to the frequency in a comparative hearing.

Under the FCC proposal, a station could change its city of license if either it went for a new transmitter site, new class of channel, or both. Stations could not go "portable," and serve a new geographic region, but would only apply to a new city in the same area, "mutually exclusive with the existing allotment." Proposal could provide greater discretion in choosing and modifying technical facilities. A station could go to a higher class channel, increasing coverage over a wider area, even if it meant not serving its original city of license with a city-grade signal. Specifically, the FCC was approached by WCZY #92.7A Zanesville OH to upgrade to a B1, but at a new site, which would not provide

a city-grade signal to all of Zanesville. Rather than kissing the upgrade good-bye, WCZY proposed being allowed to specify a new city of license: South Zanesville OH. Losing out in the process could be many smaller and suburban towns, with broadcasters possibly looking for upgrade opportunities and the chance to be licensed to the area's principal city. Commission's still studying the matter, and soliciting comments by Jan. 9, and replies by the 24th.

Buyers, Brokers Shun Class As, Look for Metro Coverages

(Look for this exclusive article in the January FMedia! You can subscribe to my monthly newsletter about FM radio for \$18/ year.)

exiter, good condition. A. Boweb, WDLT, 2802 Wolf Ridge Road, Mobile AL 36618; (205) 344-38 (205) 344-36

FM FORUM — CONTRIBUTIONS FROM READERS AND OTHER SOURCES

Broadcast station totals announced by the FCC as of Nov. 30: AM radio 4929, FM radio (92-108 mc) 4121; FM (88-92) 1369, for an FM total of 5490. Add to this 1650 FM translators, or more FM translators than there are noncommercial, educational FM stations.

A listing of Grecian FM stations came this way. Five stations out of 24 are in Athens, while Thessaloniki has eight (with four more in the planning stages). Many are listed as stereo, and frequencies range from 89.4 through 105.0 mc. "In Thessaloniki, where the city's mayor's office runs the municipal stations FM 100 and FM 101 (both stereo), a recent survey of radio listeners revealed that 57% listens to FM 100 and FM 101, with the remainder split between the government-run ER1, ER2, ER3 and ER4, and private broadcasters."

A Canadian reader sent a letter from Martin Rosenthal to listeners of CFMX and CFMX-1, commercial classical stations in south Ontario. It noted, quite candidly, that "some people in some areas of Toronto aren't receiving as good a signal as we'd like and we're working on improving that situation [at CFMX-1 96.3]. In the meantime, if you know of someone who needs a free antenna to assist in reception, let me know and we'll be happy to send them one," which is quite an unusual offer. Since CFMX-1 joined the CFMX 103.1 team, BBM figures show a doubling of audience. "This is very encouraging since our official sign-on took place in the middle of the fall reporting period." Our correspondent writes that "even though it is commercial, they never short-change or interrupt any musical selection. It compares well with CBL-FM, CJRT and W/NED programs. Note how it is 'logically' becoming a Toronto station, although still giving good acknowledgment of their listeners from Belleville to Burlington, in their wide range of service announcements, etc., from the many individual communities which they are serving in their transmitters' coverage."

A photo was sent of the new tower being built for K220CN #91.9 Kirksville MO, a WGCA 88.5 Quincy IL translator. It will have h&v polarizations when everything is up and ready; for now, it is horizontal only. MN Public Radio's mono news and information station in Rochester MN, KZSE, will be ready to go sometime this winter at #90.7, according to its program guide.

The FCC has received formal application to transfer the license of WSVH #91.1 Savannah GA to Peach State Public Radio. When this network took over WACG #90.7 Augusta, many listeners were very upset—complaints about "more talk and less music" and "NPR's

leftist slant" filled the air, "but this has died down to a degree. Southerners are usually out of luck when it comes to classical music on non-NPR noncommercial stations. Most of these are religious stations (the student-run stations range from good to awful, and the religious stations are spreading faster than the notorious kudzu vine). My own personal suggestion is for public radio general managers to listen to APR's offerings, if only as a threat to NPR (and raise hard questions about NPR's news coverage at every possible opportunity). The listeners also have a responsibility to make their support talk at fund drive time."

A "Billboard" article was sent concerning the disappearance of beautiful music stations in such markets as Dallas and Minneapolis, while rim-shooter KAPT 94.7 Luling is trying to reach the Austin market with that format. Kalamusic and Bonneville are leading syndicators of the format, while Park Broadcasting, with WPAT-FM Paterson NJ, is a broadcaster said to be committed to the format. Bill Fowler of Park is in favor of keeping his stations traditional to separate them from soft ACs.

FM translator guru Howard Enstrom, in his newsletter, predicts no soon end to the commercial FM translator freeze. "About 20 NCE applications are granted per month. Properly prepared ones are granted in 90 days, or less. Satellite-fed proposals are on hold as Commission weighs networking potential and restrictions."

Battle for NY City's 104.3 frequency may finally be over, with the New York State Court of Appeals siding with a lower court ruling that GAF Broadcasting could keep WNCN. That decision awarded \$2.6 million to a listeners' group, Concert Radio, Inc., which had an option to buy the station. The listeners' group was concerned that WNCN had given up vocal music, modern music and long selections in favor of a youthful, breezy style of concert music broadcasting. Earlier this year rival WQXR-AM-FM started their first-ever (in recent years) separate programming, shunting Karl Haas and Robert Sherman's "The Listening Room" to AM, while the FM was encouraged to play more "favorites of the repertory."

Despite it costing twice as much for a new national network on FM, compared to AM, the British are going ahead and replacing their two medium wave channels. Cost of building the FM network would be £1.7 million for 99 percent coverage of the country, or £1.2 million for 70 to 80 percent, even using existing BBC transmitting sites. And the IBA, at a programmers' conference, stations "heard evidence that listeners have been switching in greater numbers than had been thought from medium wave to FM." An ad appearing in last month's FMedia! is "typical of current emphasis on FM frequency rather than AM" in England.

"One of the many impressive things about FM Atlas this time was the fact that you provided a forum for others even if they did not entirely agree with you. Keep up the good work! Up with radio, be it AM, or FM or even shortwave, which is fun, too."

One reader sent an AP story on the plight of AM radio. It mentioned stations like KPAL in Little Rock programming for children 5-12. An attorney in the East recently called to ask me what I think of his idea of running a children's format on SCA. He'd rent the radios at first, hoping eventually revenue would come from the national advertisers and agencies so that the SCA service could be profitable. I was cool to the idea, because I know how hard it is to get business from national advertisers. Virtually all radio advertising is local, even in the major markets.

"Thanks for adding a few unknown notes and listings to the Pacific Northwest FM station histories a few months back; this is information I was not aware of."

WLJK #89.1 Aiken SC, serving Augusta GA, hopes to be on April 1, offering SC Educational Radio programming. Its 67 kHz SCA talking book for the blind will be on 17 hours a day. SCETV will lease a tower from WJBF-TV Augusta (near Beach Island SC) for \$15,000 a year, whereas a new tower would have cost \$1.5 million to construct.

Doug Vernier, consultant, sent a brochure on his computer software, SEARCHFM, to find FM channel openings. Write him at 1600 Picturesque Dr., Cedar

Falls IA 50613.
 "Audio Reader" is on the SCA of KANU #91.5 Lawrence KS, KHCC #90.1 Hutchinson and KANZ-KZNA Garden City-Hill City KS. It is an "expensive proposition due to the necessity of giving receivers to disadvantaged listeners. Central and western Kansas have economic woes due to the low farm and oil prices. Public stations find it difficult to spend a lot of money on a service that does not generate a financially-supporting audience. They cover an enormous sparsely-populated region and are not associated with a college. KANU furnishes Audio Reader 24 hours a day. KHCC is on the air 18-19 hours a day, but does not have Audio Reader mornings or holidays. KANZ/KZNA is on the air 18-19 hours a day and have Audio Reader whenever they are not beset by linkage problems. KMWU #89.1 Wichita has an entirely different reading service, at least some of which is generated locally. Late at night and early in the morning their 67 kHz has the same program as the main carrier." KWKR 99.9 Leoti KS uses wind generators to power the station, having used a tax advantage not now permitted. When turning fully in a 26-mph wind they produce about 50 kw at 220 volts. Excess electricity is pumped back into the power grid, and the station is paid a wholesale rate of 2¢ a kw hour. KWKL 106.5 Arkansas City now claims the tallest FM tower in KS at 382 meters.

A CO broadcaster believes the problem of translator abuse is being "overblown. There is little chance that a translator would have much impact on any local stations in larger markets if the local broadcasters are doing their job programming to their own market. . . These statements may not be too popular with some of my fellow broadcasters, but I believe translators play an important role in program diversity—that is, more choices for the consumer. If a translator comes into a market and offers a format that isn't being offered locally, it deserves to stay. If it offers a format that is similar to the programming fare of a local station, it should have no serious impact on the local broadcaster IF the local broadcaster is doing his or her job. With all the 80-90 drop-ins throughout the country, there isn't room for a lot of translators in larger markets, and many that do exist will likely be forced off the air by new full power allocations, which will likely have more of an economic impact on the local broadcasters than a translator ever would.

"Personally, I'm all for the government to bring back the rule which would prohibit selling a station for a profit within a three-year period. This would help weed out some of the 'get rich quick' speculators who buy and sell radio stations like real estate, and bring real broadcasters back into the business."

The Canadian magazine, *Broadcaster*, explored what will happen to AM when the band is expanded July 1, 1990, to include tuning up to 1700 kHz. There are still plenty of AM frequencies in Canada on the existing band, so no rush is envisioned for the new spectrum space. "It's not as if it was an FM frequency. Then you'd see a mad rush." CHNR Simcoe ON is pointed to as a station opting for a higher frequency, moving from 1560 to 1600 where interference was less at 10 kw. But even getting people to tune in 1600 is hard, "because most people don't bother going down that far. And you have to promote it more than if you're in the middle of the dial at 800 or 890. . . Added to this headache is the ascendancy of FM over AM: AM is tough anyway, with FM right now." Success would be even more difficult for stations in the spectrum above 1600.

Star-Net, based in Burleson TX, is hoping to broadcast direct to Class A FM stations, and possibly translators, if the FCC ever allows low power FM or educational translators not owned by the primary. "We are on satellite now with full programming from Satcom F1, channel 17, with sideband carriers of 5.40 and 5.58. These are narrowband, and have to be demodulated, but they give a good, clean signal. . . In our embryonic

stage, even though we have full programming going, we do not have a good promotional package to show exactly what we are doing." Its programming looks to be an alternative to the traditional fundamentalist religious stations, stressing inspirational music, news, and health features. Contact them at 777 S. Burleson Blvd., ZIP 76028; (817) 295-0476. Their first owned stations are expected to be in Albuquerque NM or Harlingen TX. "Either of these could become a base station, because they would be playing our program without any local input." They are committed to religious liberty, and separation of church and state. As the magazine *Liberty*, says, "Attempts to unite church and state are opposed to the interests of each, subversive of human rights and potentially persecuting in character; to oppose union, lawfully and honorably, is not only the citizen's duty but the essence of the Golden Rule—to treat others as one wishes to be treated."

Just in, more news about CFMX 103.1 Cobourg ON and CFMX-1 96.3 in the Toronto area. BBM ratings give it a ten-fold increase in audience since going into Toronto last October. With the service expanded, 126,000 people tuned in, compared to 14,700 two weeks earlier. The station's share was 2 percent. "We are hoping to get to 200,000 listeners by this spring." Its programming is mainly "middle of the road classical music, with little vocal or avant-garde music."

FM AS IT WAS—OR MIGHT HAVE BEEN

Carol and I were guests last summer of Mary Bridges Smith and Henry Smith. They shared much material, including a history by one of WEBC Duluth's engineers, Thorwald Jorgenson. A chapter discusses how the late Walter C. Bridges, long-time WEBC manager, visited Edwin H. Armstrong in New York and Alpine NJ. "On one of these trips he came back with many ideas and Charlie [Persons, now owner of KVBR AM Brainerd MN] immediately got busy and built a 50-watt FM transmitter and connected it to a simple dipole antenna and started making tests. All the radio men in the Duluth-Superior area knew of it as Charlie had told someone he was not to be disturbed for three days, and after three days he came up with the transmitter. [We] got to know the fundamentals of FM before the war. . . The use of the FM station in program relaying was of value in the operation of the Arrowhead Network." [Relaying of a five-minute daily weather roundup at 7:55 a.m. took place between WEBC-FM 92.3, WJMC-FM 96.3 Rice Lake WI and WEAU-FM (now WIAL) 94.1 Eau Claire WI.]

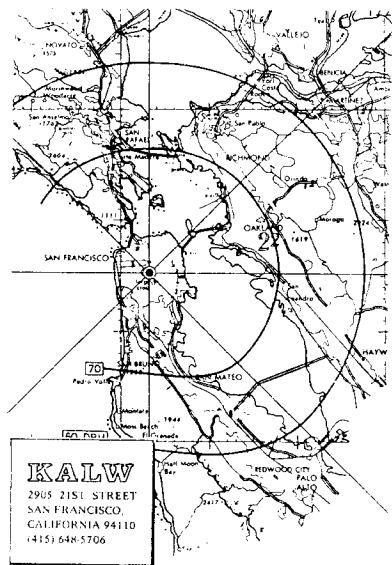
"FM was definitely Mr. Bridges' greatest interest and [he] was quite disappointed that others did not appreciate its fine quality transmission of fine music. Although he ran a successful business, he was also interested in cultural radio and felt that FM was the way to bring high-quality programs to the most people. . . Miss Mary Bridges worked with her dad in music selection and programs for WEAU and WJMC-FM stations. Recorded music was most difficult as the new LP low noise records were just appearing on the market and the older records were too noisy for FM. It was hard to have a complete FM quality program."

"It was not my dad's decision to close WEBC-FM," Mrs. Smith told me. The station, whose history was written about by John Ebeling and me in *Radio World* in 1982, closed May 13, 1950, at behest of owner Morgan Murphy, publisher of the Superior *Evening Telegram*. Our visit took place at the lake cabin in Gordon WI where Bridges would take radio executives to listen to FM reception during thunderstorms—reception of pioneer WEBC-FM Duluth. The self-supporting tower used for FM and later TV receiving antennae still stands, towering over the pine and hardwood trees of the area.

Regarding Armstrong's patent fights (see above, "AM Happenings"), that same contributor sent a copy of a court decision, *Armstrong vs. Motorola*. The case was brought to trial by Armstrong's widow, Marion, and it upheld a lower court decision finding that Motorola had infringed not only for wide-band FM but in the so-called narrow band mode as well. "As to the Motorola 25-50 Mc and 152-162 Mc FM communication equipment, the District Court noted that their effective bandwidth was at least 30 kilocycles. Since they too were found to be an application of Armstrong's wideband FM system, the District

Court properly concluded that they infringed patent '069 covering the wideband FM system. As to both the '069 and '066 patents, it is significant that the Westinghouse Electric Company paid royalties to Armstrong from 1946 to 1950 with respect to Motorola two-way FM mobile communication equipment purchased from Motorola and sold by Western Electric. Being a two-way system, this equipment clearly infringed the system claims of the two patents. . . We have examined the other contentions raised by Motorola and find them without merit. Therefore, the judgment of the District Court is affirmed." A similar suit against RCA was settled in favor of the Armstrong estate.

KALW *91.7 San Francisco is such a pioneer station that I have a photocopy of a letter dated Dec. 30, 1947 on the letterhead of W2XMN Alpine NJ, written by Perry N. Osborn,



chief engineer: "Your transmissions are frequently heard here at Alpine, New Jersey. It would be greatly appreciated if you could send me a copy of your operating schedule." It's possible KALW was still on the old band then (in addition to 91.7), as were a number of other stations up to mid-1948. Such long-distance propagation would be more possible in the 42-50 mhz band than it would at 91.7.

KALW claims to be the oldest noncommercial FM station in the United States and the first on the air in San Francisco, founded 1941. "Early in its history KALW was hampered by a poor transmitter-antenna location. However, in 1975, a new transmitter and antenna system was installed at Christmas Tree Point, Twin Peaks," which is close to the center of San Francisco. The station's origins go back to a demonstration FM transmitter which was displayed at the 1939 San Francisco International Exposition at Treasure Island. KALW is happy that KKIS-FM 92.1, encroaching on its coverage to the east, has been permanently put to rest, and that KALW has received a cash settlement for lost listener revenue and legal expenses.

Station manager there since Nov. '85 is Daniel del Solar, who presides, along with chief engineer Dave Evans, over a CPB-qualified station, where the people wear many hats. Del Solar would like to see KALW raise \$25,000 and broadcast around the clock, rather than signing off from 12:30 a.m. to 5 a.m. It is owned by the San Francisco Unified School District, and largely supported by listener contributions and grants. FMedial salutes this pioneer FM station in the Bay area.

734
Until next month, *Bruce*

FM SCOREBOARD

Fred Nordquist
7945 Boxford Road
Clay, NY 13041
Deadline: the 5th

UPDATED 1/8/89

RANK	NAME	LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FD	TPU	YB	AS OF:
SORT BY TOTAL														
1	PAT DYER	TX SAN ANTONIO	2219	364	1811	49	0	44+	3	21	5	74	70	12/31/88
2	DAWNY BUNTIN	OK STILLWATER	1781	283	1069	4	0	48+	5	9	2	65	74	08/02/88
3	BRUCE ELVING	MN DULUTH	1627	270	1305	8	0	44+	3	1	0	49	48	11/07/88
4	RALPH STROBEL	IN MUNCIE	1584	439	420	105	4	43+	7	2	0	53	72	11/02/88
5	JOHN EBELING	MN BLOOMINGTON	1580	265	913	44	82	47+	5	5	0	58	52	01/01/89
6	FRED NORDQUIST	NY CLAY	1415	272	690	40	57	41+	5	0	2	49	69	12/31/88
7	MIKE BUGAJ	CT ENFIELD	1380	192	711	15	23	37+	3	0	1	42	74	05/07/88
8	JOSEPH FELA	NJ S. PLAINFIELD	1373	287	694	2	9	37+	6	0	0	47	68	11/06/88
9	JIM PIZZI	MN LOVINGTON	1313	185	1044	27	0	38	5	20	3	66	81	03/04/85
10	MIKE DALTON	FL CLEARWATER	1283	204	692	0	0	42+	3	12	12	70	72	05/01/83
11	DAVID NEMAN	NY AKRON	1277	340	382	46	23	43+	8	0	3	55	59	12/31/88
12	BOB SEYBOLD	NY DUNKIRK	1114	175	543	0	0	41	6	3	0	50	50	07/22/87
13	FRED MCCORMACK	MO DES LAIS	1110	145	803	26	87	44+	6	4	0	55	65	04/09/88
14	FRED MCCORMACK	ND FARGO	1099	199	759	3	52	47+	6	3	0	57	74	04/09/88
15	PETER SMATZKY	ON KITCHENER	1088	167	500	112	6	38+	7	0	1	47	71	11/11/84
16	TIM MCVEY	TN BOLIVAR	1075	151	392	1	1	42	5	11	1	59	77	07/01/83
17	JOHN EBELING	MN PROSIT	988	179	650	3	5	47+	8	2	0	58	75	01/01/89
18	JOHN JEFFERSON	CA ALESGANTON	985	216	560	156	0	27	4	4	0	35	57	07/21/88
19	HANK HOLBROOK	MO CHEVY CHASE	839	214	223	18	0	35+	6	0	3	45	59	05/12/87
20	SAUL CHERNOG	ON BURNT RIVER	768	114	414	48	70	37+	7	0	0	45	77	04/15/83
21	GREG CONNOLLY	NY WILLIAMSVILLE	761	136	368	5	5	35+	8	2	46	85	10/01/88	
22	CHARLON HOWINGTON	FL ST PETERSBURG	730	0	0	0	0	0	0	0	0	0	0	11/21/88
23	KEITH PUGH	AL NEW HOPE	728	139	367	15	0	42	6	5	1	54	83	09/28/86
24	BOB SMOLAREK	NJ OLMDICK	695	126	246	0	0	36+	3	0	1	41	78	04/01/88
25	BILL NOLLMAN	CT NORWICH	686	83	294	20	0	35+	5	0	0	41	81	11/04/88
26	ALAN NICHOLEK	MA SPRINGFIELD	667	81	385	0	0	36+	5	0	0	42	52	10/19/87
27	DANIEL DOTTING	PA BROOMALL	657	151	226	6	3	32+	6	0	0	39	77	11/11/84
28	RICHARD STEINBERGER	MA HUDSON	640	133	286	12	6	35+	4	0	0	40	50	09/22/84
29	JEFF KADET	IL MACOMB	609	114	35	4	0	32+	3	0	0	36	83	09/28/83
30	JOSEPH SMITH	NY JOHNSON CITY	605	80	165	0	0	34+	2	0	1	38	71	04/28/84
31	MATT SITTELL	TN KINGSPORT	552	75	382	1	0	31	4	3	2	40	85	12/31/87
32	KEN SIMON	IL LAKE MORTH	545	148	437	0	0	34+	2	4	0	49	66	07/05/85
33	DAVID ODELL	AR LITTLE ROCK	496	61	170	3	0	41+	4	5	1	52	80	05/14/87
34	BILL KRETSCHMER	NY N SYRACUSE	454	91	93	1	0	35+	3	0	1	40	74	11/27/88
35	ROBERT ROSS	ON LONDON	430	128	146	0	0	22	1	0	1	24	76	00/12/87
36	PAT DURKIN	WI WEST ALLIS	428	89	81	0	0	32+	3	0	0	36	78	08/29/84
37	LARRY MEADE	IL CHICAGO	415	80	63	3	0	21	1	0	0	22	79	08/24/88
38	THOMAS YINGLING	MO BALTIMORE	360	54	144	1	0	33+	4	0	1	39	71	12/26/86
39	PAT DURKIN	MN WOODBURY	329	51	97	2	0	31	1	1	0	33	81	08/29/84
40	MIKE HOSAN	IL BURNHAM	326	72	40	0	0	26	1	0	0	27	76	05/01/87
41	BOB SCHMEITZER	NJ E. BRUNSWICK	266	78	7	0	0	11+	0	0	0	12	77	04/01/88
42	PAUL MOUNT	NJ TEANECK	226	29	38	0	0	24+	1	0	0	25	79	05/15/86
43	BUS MANCIGLO	MO CHEVERLY	192	26	2	0	0	11+	0	0	0	12	78	10/05/87
44	RONALD PURDIE	MN BYRON	188	3	95	0	0	20+	0	3	0	24	81	06/30/84
45	FRANK WHEELER	PA ERIE	159	20	4	0	0	8	1	0	0	9	64	11/25/85
46	BOB SCHMEITZER	NJ OLD BRIDGE	146	41	0	0	0	9+	0	0	0	18	82	04/01/88
47	ERIC BUENEMAN	MO HAZLEWOOD	146	19	68	0	0	25	4	6	0	35	81	08/07/86
48	WILLIAM HEPBURN	ON NIAGARA FALLS	144	51	35	0	0	10+	1	0	0	20	79	08/18/84
49	MORRIS SOREENSEN	ON WILTON	130	24	24	0	0	16	1	0	0	17	83	06/16/88
50	ROBERT GRANT	MI DETROIT	106	20	21	0	0	12	1	0	0	13	71	07/01/87
51	LARRY VAN HORN	FL ORANGE PARK	98	15	0	0	0	4	0	0	0	4	85	09/22/85
52	WILLIAM HEPBURN	NT CORAL HARBOUR	58	5	57	0	0	5	8	0	0	13	84	04/22/88

=VERIFIED

COLUMN DEFINITIONS are as follows: Total=Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count). Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes.) 88-92=All stations logged from 88.0 to 91.99 Mhz. Es=Total number of stations logged via E-skip. MS=Total by meteor scatter. AU=Total via Aurora USA=Total number of states and the '1' = Washington, DC. CN=Number of Canadian provinces logged. MX=Number of Mexican states logged. FD=Number of foreign countries, but not Canada or Mexico. TPU=Total number of political units=sum of USA CN MX and FD. YB=The year you began DXing. Other groundrules for computing log totals are included in AUGUST 88 YUD Page 48. NOTE: FM Scoreboard entries not updated after 19 82 are not included above. So please submit our updates to the FM SCOREBOARD to get reinstated. 73-Fred

continued on page 35

PHOTO NEWS

FEBRUARY 1989

To help warm this cold February, we have more hot summer of 88 tropo catches from Joel Rosenberg - Thornhill, Ontario.

Mailing Address:

PHOTO-NEWS - P. O. Box 155 - Clarence, NY
14031-0155 U.S.A.

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

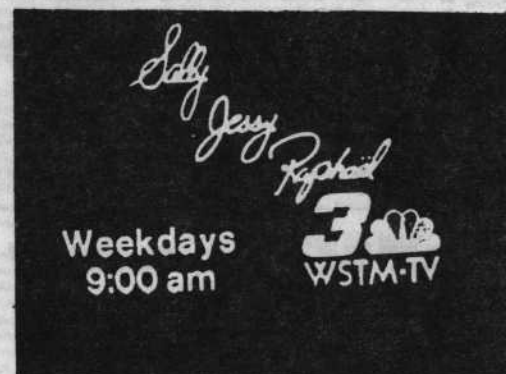
EDITED BY
David J. Nieman



WKYC-3
Cleveland, Ohio
200 mile tropo
seen July 17,
1988
at 2145 EDTIME



WWNY-7
Carthage
Watertown, NY
175 mile tropo
seen August 2,
1988
at 2200 EDTIME



WSTM-3
Syracuse, NY
170 mile tropo
seen August 3,
1988
at 0600 EDTIME

PHOTO NEWS

FEBRUARY 1989 PAGE 2

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



WTVH-5
Syracuse, NY
170 mile tropo
seen August 3,
1988
at 0600 EDTIME



WLVI-56
Cambridge
Boston, MA
430 mile tropo
seen August 3,
1988
at 0600 EDTIME



WRGT-45
Dayton, Ohio
370 mile tropo
seen August 3,
1988
at 0630 EDTIME

John Ebeling, 9209 Vincent Avenue South, Bloomington MN 55431

CST

DX from cabin at Alborn (Prosit), Minnesota

Equipment:

See January 1989 Western TV-DX

*** CORRECTION TO REPORT IN JANUARY COLUMN ***

The E skip logging on December 19 at 1720 shown as WGRZ-2 was actually WKTV-2.

As promised, here is a "write up" of the UHF tropes received at my cabin at Alborn on December 2 from 1900 to 2000 CST.

WGBA-26 WI
 unid ch 25 (// WGBA with Marquette basketball) (assume WLAX, La Crosse - fm)
 unid ch 31 (with PBS programming) (assume WHLA, La Crosse - fm)
 WXGZ-32 WI
 unid ch 19 (with TBN) (assume K198G, St. Cloud - fm)
 KSMQ-15 MN

Also KSTP translators in the area.

On December 3 at 2153, a large meteor burst affected all low band channels for a good minute. I was watching channel 3 in Duluth and noticed CCL. I checked other channels and all the low band was very active - looked like a combination auroral and meteor burst at the same time. Odd!

Alphonse Tobia, 7603 Linden Ct., Newark, CA 94560

I have a question regarding TV signals that are pests...each time you DX. There seem to be one or two stations that are always in when the skip is right...why? The pest out here on channel 2 is KMID in Midland and on channel 3 is KENW in Portales. I noticed the same thing, with different signals, years ago when I lived in the New York City area. There are occasions out here when you get a different channel 2 or 3...but 98% of the time it's KMID and KENW...why? If a member can help out or steer me in the right direction for reading material on the subject of E skip, etc., I would appreciate it. I have been told that the E skip conditions tend to form over the same spot all the time in the southern part of the US. If that's the case and my pests are KMID and KENW, other members on the west coast - say 250-500-1000 miles from San Francisco - what are your pest signals on channels 2 and 3? Thanks a lot for the help...both myself and member Randy Miltier in San Jose are wondering about this. I'll look for responses in the VUD or if you want, drop me a post card. Again, thank you.

(I doubt if any member can give you a definitive answer as to why you see the same area so often - there is just too little known about E skip. We call it sporadic! We have, however, all observed that some stations are seen more often than others. KMID and KENW are common reception here also - although the proportion of loggings consisting of those stations varies from season to season. In addition to being in a direction which is common to E skip here, they are also at a distance which is common to E skip. You must be exaggerating when you say you receive those two 98% of the time. If that is true, I can see where it would take some of the thrill out of E skip DX'ing! How about sending in some DX reports in 1989? fm)

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

CST

Equipment:

See January 1989 Western TV-DX

December 1988		4 tr 0817	WAAY 31 AL 685	21 tr 2115	WLExt 18 KY
2 tr 0637	*KAWB 22 MN		WHNT 19 AL 685		WKYtt 27 KY
	("9 & 22" ID)	0844	WGRB 34 KY		WBNat 21 KY
0848	KSAX 42 MN		WKGB 53 KY 553		WKPC 15 KY 437
4 tr 0715	WUSI 16 IL 402	21 tr 2108	WCAY 30 TN 585	2128	WXIX 19 OH 400
0813	WAFF 48 AL 685		WDRB 41 KY 437	2131	WSBnt 47 VA
	WZDX 54 AL 685	2112	WGRB 34 KY	2138	WNRwt 45 NC
	WCET 48 OH 400		WCET 48 OH 400		(0 kHz - WRGT)
0817	WTJpt 60 AL	2115	WTVQ 36 KY 473		WKLE 46 KY 473

William Draeb (continued)

21 tr 2147	WKHA 35 KY 553	0551	WPTT 22 PA 480	23 Es 1730	WWAY 3 NC
2157	WLKT 62 KY 473	0709	WPGH 53 PA 480		unid channel 2-
	WDKY 56 KY		WNEO 45 OH 405	1759	WSAV 3 GA
22 tr 0530	WYMT 57 KY 553		WKBst 47 PA	1805	WESH 2 FL
0536	WPBO 42 OH 462		WLYJt 46 WV	1813	WJXT 4 FL
	WOSU 34 OH 395	0720	WHIZ 18 OH 400	1821	WCPX 6 FL
	WCOS 68 OH		WQEX 16 PA 480	1829	WUFT 5 FL
	(W68BS usually		WPCBt 40 PA	1832	WCTvt 6 GA
	dominates ch68)		WEAO 49 OH 395	2030	WBRZ 2 LA
0541	WDRB 41 KY 437	0753	WSFJ 51 OH 395	2100	KJACT 4 TX
0545	WCET 48 OH 400	23 Es 1730	WSEE 35 PA 405		KPRct 2 TX
			WCBD 2 SC		

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

PST

Equipment:

See January 1989 Western TV-DX

December 1988		18 Es 0345	WHBF 4 IL 1653	18 Es 0347	KDLO 3 SD
		0350	KNOP 2 NE 1212	0356	KSL 5 UT 794
17 Es 0500	KTWO 2 WY 916	0355	KXLY 4 WA 286	0400	KUTV 2 UT 794

On Saturday, December 17th, I woke up about 0430 and turned on the TV to see what was on, and to my surprise, skip was coming in. Early morning skip is better than evening because CBUT-2 and KOMO-4 do not stay on air with colour bars. CBUT rebroadcaster on channel 3, Chilliwack, does stay on because of CBC North feed. Channel 5 logging of KSL is over KING-5, Seattle. I also received a test pattern on channel 6 on Saturday over CHEK-6, Victoria, but could not ID. The test pattern had a rectangle in centre, from top to bottom. I received sound only from WHBF-4 - this is quite a catch and is my furthest logging.

(Nice going with WHBF-4. That is a very unusual distance for an E skip logging, as is the 286 mile distance to KXLY-4. I wonder if these loggings were related to auroral conditions? fm)

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.

October 1988		11 Es 2253	WCIV 4 SC 797	21 Es 1820	KGBT 4 TX 1183
31 Es 1130	KNMZ 2 NM 972	12 Es 0005	WSAV 3 GA 803	tr 2010	WLKT 62 KY 361
		14 tr 1800	KSAX 42 MN 404	2100	WKSO 29 KY 405
November 1988		22 tr 2300	WDJT 58 WI 118	22 tr 0700	WCTE 22 TN 434
3 Es 1915	WBRZ 2 LA 784			0715	WMSY 52 VA 533
11 Es 2230	WFMY 2 NC 641	December 1988		0720	WYMT 57 KY 449
	2245 WCBD 2 SC 797	21 Es 1803	KIII 3 TX 1072	24 ms 0515	KMID 2 TX 967
	2250 WCSC 5 SC 797		1805 KRGV 5 TX 1189		

Noted two good skip openings - November 11 and December 21. WFMY-2 was solid for 20 minutes. Unusual at only 641 miles. 500 mile plus tropes on December 21 and 22.

Regarding a tentative WOTC-29 logging on September 8 at 0532 CDT - they never went on the air. After developing the picture, I was shocked to see what appears to be channel 27. I definitely got the reception on channel 29. Everything is clear except the ID.

With that information, I eliminated every UHF station except WECA-27 in Tallahassee, Florida. That's what the the ID in the photo looks like. They might have gotten here via an irate translator with a channel 27 input and a channel 29 output. Unlikely, but possible. While in Pensacola in early December, I decided to drive to Tallahassee to claim my prize. My first Florida UHF logging.

The station manager stated - "we haven't been WECA-27 for some time - WTXL-27 now, Hollywood Squares did not premier here on September 12, we do not have any translators anymore, the distinctive 27 is not ours, and we only get out 50 miles anyway." Depressing news. Before the ID, I saw a map of Alabama and a man stated the

William Eckberg (continued)

temperature in Dothan was ?? degrees. Possibly, but unlikely, it was two stations involved. Also Augusta 26 and Asheville 33 were nearly snow free at the time, so anything is possible.

I sent \$10 to a first rate photo lab and had copies, blowups, and enhancements made. Still do not know what it is. I'll send a copy of the photo to anyone asking. I'd be grateful to anyone that can ID it, even if it is a 50 mile local from the back of my antenna. I do not give up easily, hi! This is the first time I haven't been able to identify a station with a reasonably good photo including call, channel, city, upcoming programming, and co-channel beat from Kokoma 29, most likely.

Is there a new station and an irate translator out there somewhere?

(If any reader would like to attempt to identify Bill's unid, please ask him to send you a copy of the photo. I have seen it and believe it is ID'able, but I couldn't figure it out. fm)

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

CST

Equipment:

1980 model Penncrest 9 inch black and white, Archer V-100 and 8 bay bow-tie UHF array at 20 feet with rotor.

October 1988

9 tr 0132 KLFY 10 LA
19 tr 0016 WAFB 9 LA
0108 KPLC 7 LA
20 tr 0404 KATC 3 LA
0423 WAFB 9 LA

3 Es 1840 WCIA 3 IL

4 Es 0728 WFMY 2 NC
0929 WEDU 3 FL
9 tr 0010 KOSA 7 TX
Es 0828 KDLO 3 SD
0944 KUSD 2 SD
1045 KOTA 3 SD

December 1988

14 tr 0510 KTRE 9 TX
21 Es 1658 WSAZ 3 WV
1659 WKRN 2 TN
1828 WSIL 3 IL
1858 WEDU 3 FL
23 gw 0543 K20BW 20 TX 4
(San Antonio LPTV)
tr 0556 WVLA 33 LA
0558 WAFB 9 LA
0559 KADN 15 LA

November 1988

2 tr 0602 KTRE 9 TX
3 Es 1659 WSIL 3 IL
1759 WAVE 3(IN)
1828 KTVI 2 MO

10 Es 0626 WBTW 3 NC

0633 WFMY 2 NC
0747 WJBF 6(SC)
1159 KGAN 2 IA
13 Es 1028 KGAN 2 IA

My August 26, channel 57 logging should have been indicated as a new station. A very dismal December E skip season so far in these parts.

For whatever reason, K02MX suddenly went off at 1259 on December 27 (having been there non-stop with its 400 Hz tone and color bars since September 14, 1987).

Channel 5 has gone to running all-night movies the two mornings that it used to go off (Saturday and Sunday) - so that kills any meteor skip on that one now. Channel 35 is on all night Tuesday-Saturday mornings.

K20BW was just a 1 kHz tone, color bars with a small ID and seems to have gone away by January 3!

73, Pat, WA5IYX

(Pat also saw unids on channel 2 via F2 on September 12 from 1420-1450. fm)

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

PST

Equipment:

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

November 1988

19 Es 0705 unid ch 2 NBC
0740 unid channel 3
(See Note # 1)

17 Es 1004 KNMZt 2 NM

1031 unid channel 4
2035 unid ch 3 ABC
18 Es 0238! CKCK 2 SK 805
0323 CKBQ 2 SK 870
CFQC1 3 SK 680
(// CKBQ)

18 Es 0346 unid color bars

on channels 2-6!
0400 CKND2 2 MB 1025
0430 MUF channel 3 -
to bed at 0500
1959 KMID 2 TX 1280
KENW 3 NM 1115
22 Es 0425 unid ch 2 NBC
0436 @KNAZ 2 AZ 815

December 1988

13 ms 1810 unid ch 2 NBC
(Briefly)
17 Es 0946 unid ch 2 PBS

0327 CFSK 4 SK 770

0334 @CKPG 2 BC 600

DX From Elyria, Ohio:

December 1988

23 Es 1830 WESH 2 FL 860

23 Es 2100 WPBTt 2 FL

23 Es 2100 unid ch 4 CBS

Jeff Kruszka (continued)

Note # 1 - 11/19/88 @ 0705 - Appeared to be meteor induced E skip. Had a couple hours of meteor skip activity leading up to this.

The E skip in the middle of the night on December 18 was great! Had some E skip earlier in the evening and thought I'd check for the hell of it just before going to bed - the opening was just starting! I called Dave Sinclair (Vancouver, BC) about 0335 and woke him up to get in on this rare opportunity. I've never seen so many unid color bars at once via E skip. Unfortunately, the opening didn't last long enough for the stations to sign on. It was great while it lasted, though! I never expected to receive any E skip northwest of here (CKPG) - could Alaska still be possible?

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.

November 1988

19 Es 1743 unid ch 2 French
1746 unid ch 2 NBC
1748 unid ch 3 CBS
1752 unid channel 5
(MUF 89.9 @ 1804- NY)
1830 KYW 3 PA 1175
1846 WPSX 3 PA 990
(MUF 92.7 @ 1852- PA)
1853 WMAR 2 MD 1135

24 tr 0655 KSINT 27 IA

December 1988

2 tr 1129 unid ch 17 ACTS
1148 KSAXt 42 NE
1149 KXNE 19 NE 320
1151 KYNE 26 NE 390
1152 K20AM 20 ND 180
(Rollete TBN)
K22AK 22 ND 145
(Devils Lake KXJB- 4)

2 tr 1153 K23AJ 23 ND 130

(Devils Lake KNRR-12)
1203 KHNET 29 NE
1230 KSIN 27 IA 300
K25AA 25 IA 245
(Rock Rapids KSIN-27)
1258 KRINT 32 IA
1456 KDSM 17 IA 385
1610 KHINT 36 IA

It was nice to get some E skip in November. I wouldn't have known anything about it were it not for a telephone tip from John Ebeling. Thanks!

WGAL-TV

Channel 4

Serving Reading-Harrisburg
York-Lebanon-Lancaster

Channel 2

WDTV

Pittsburgh's **FIRST**

Television Station

WHUM-TV

channel
61

READING • PENNSYLVANIA

Historic ID's courtesy of Jeff Kadet

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

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

Australia Reports Es

Geoff Wolfe, 40 Charlton St., Mt. Waverley, VIC, Australia 3149
11/28 Es 12/18 Es (double hop)
89.3 4CRB Gold Coast Q.L.D., stereo 828 94.5 GABC Albany W. A., stereo 1514
Es has been very poor this year as with the previous year (87-88). (Thanks very much for another report. It may be the first time the VUC has ever received an Es report from Australia. Please let us know if we can make you feel more welcomed to the club. DB)

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866
9/8 ms
1000 CKKst 96.9 BC Vancouver "600 C--R" Thought I heard CFNR, but it was probably CJOR. Does it simulcast with CKKS?
1017 unID 96.9 "Perennial favorite Columbia High team"
1207 KFMJ 96.9 OR Grants Pass "71 degrees at KFMJ" state #19
1750 KKIXt 103.9 AR Fayetteville "103.9 FM and 1250 AM" Do KOFC and KKIX simulcast?

9/10 ms & tr scatter
1006 WDDJ 96.9 KY Paducah, "97 FM Paducah"
1040 WYXX 96.9 MI Holland short burst "WYX" state #20
1129 KINI 96.1 NE Crookston "FM 96" mention of St. Francis and Rapid City. Has become a semi-regular at 350 miles near SD border. Always mentions St. Francis and other SD towns. Rarely mentions Crookston or NE. Wish it were in SD!

9/13 local
0800 KCMR 88.6 CO Manitou Springs, first day here, from 88.1

9/19 tr scatter
1017 KSIT 104.5 WY Rock Springs, legal ID & time 270
1055 KOLL 96.9 WY Gillette, has become semi-regular 365

10/1 tr scatter
0924 KNID 96.9 OK Enid, state fair promo and ID. At 475 miles, this station is my best tr scatter (airplane scatter?) and semi-regular
1005 KSDZ 95.5 NE Gordon, female singing ID: "KSDZ", 330 miles
1110 unID 103.1 meteor burst, female talking in German

11/9 local & ms
1155 unID translator 95.9 CO ??? repeats KATM, weak
1541 KLIO 96.1 IA Clinton, "K-Lite 96 FM", state #21
11/12 tr, tr scatter, ms
1000 KKDD 107.1 CO Brush, finally, by nulling KCSJ, Pueblo
1650 KGLS 103.3 KS Hays, spots for Martinex pizza in Hays and Russel into "Countdown USA"
2030 KZMZ 96.9 LA Alexandria, no ID, "Louisiana's most powerful FM", which isn't true @ to FM Atlas!

11/17 tr
1020 KTRS 95.5 WY Casper, some enhancement during storm, ch 14 in Casper was also making a rare appearance, 268 miles.

Not much FM DXing since September when I started MW DXing season. Still, two new states and 12 new stations isn't too bad. I think I have most of the easy sub-500 miles ones now without a good opening or a good FM tuner!

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075
Equip.: Onkyo T-9090 tuner, CM Probe 9 at 34 ft., with rotor
12/19 gw
2000 KJFK 105.1 OK Perry, rock(not hard), in stereo, possibly 24 hr., new to air 25
Oh no, not another semi-local! @###. In memory of 105.1, may you hiss in peace. New KJFK (not known if named after the former president) is station no. 1800 in log, a costly way to achieve goal to log that figure before end of 1988. It's rather tempting to move deep into Texas, well away from the metro areas, in search of the nearly empty FM band and all day skip openings. But I'm just a home town body not really wanting to pull up roots. I can log 2000 here but fighting semi-locals all the way. 73.

#####

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
FEBRUARY 1989

DEADLINE: THE 5TH

A light column this month as DX has been poor. Two more reports this month of that surprise Nov. 11 Es opening, as well as some Dec. coastal tropics. Let's hear from some new reporters; everyone is welcome to report. At the end of this column there is an explanation of its format...

DAVE NIEMAN - P.O. BOX 155 - CLARENCE, NY 14031-0155 [DX QTH: lat. 42-58-30 long. 78-31-30]

DECEMBER 1988	DECEMBER 1988
5 TrS	18 Tr
1300 WPKS 94.9 PA Harrisburg, ID, nr\$ 203 "kiss-95-FM" strict	0902 WBNI 89.1 IN Fort Wayne, ID, xmas mx\$ 367
7 TrS	20 TrS
1044 WJGM 103.7 NJ Atlantic City, "MGM-FM", r\$ 323	0841 WVHT 105.3 OH Mansfield, Y-105, r\$ 260
8 TrS	21 TrS
0120 WPSU 91.1 PA State College, call, p\$ 154 [ex WDFM]	1240 WNIR 100.1 OH Kent, call, t 200
1005 WVTF 89.1 VA Roanoke, call, \$ 404	1404 WKTL 90.7 OH Struthers, ID, xmas mx 179
9 TrS	22 TrS
1338 WJPR 95.5 NY New York, "power 95", r\$ 282	0930 CBF9 91.9 PQ Mont-Laurier, call//CBF-FM t FF 284
10 TrS	0956 WHPA 104.9 PA Hollidaysburg-Altoona, call, nr\$ 175
0902 WKQZ 93.3 MI Midland-Bay City-Saginaw-Flint ID: Z-93 (strict), rp\$ 297	1022 WJFM 100.1 PA Lebanon, FM-100.1+call r\$ 209
15 TrS	25 MS
1238 WEAZ 101.1 PA Philadelphia, easy-101 (strict) contest, m\$ 266	1503 KMZU 101.1 MO Carrollton, call, \$ 821
1302 WFLS 93.3 VA Fredericksburg, AP net. nx call local wx, \$ 331	1717 WJMG 105.5 PA Tamaqua, magic-105.5+call, \$ 194
1322 WNTI 91.9 NJ Hackettstown, call, r 243	28 TrS
1325 WMZQ 98.7 DC Washington, call, k\$ 288	1319 WFLV 90.7 NY New York, call, c\$ 282
1406 WDSO 94.7 DE Dover, call, k\$ 305	1433 WJDC 101.1 DC Washington, rp\$ 288
	"Wash. home of rock-n-roll...DC-101"
	1440 WKSZ 100.3 PA Media, m\$, "kiss-100.kiss" 262

DAVE

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

DECEMBER 1988

1 TrS	0240 WUWZ 103.5 MI Detroit, CIDC fades
5 TrS	
2300 WXYZ 92.5 CT Waterbury	
2303 WCOD 106.1 MA Hyannis	
2304 WPLM 99.1 MA Plymouth, Boston Bruins Game	
2309 WHJY 94.1 RI Providence	
2319 WLTW 106.7 NY New York	
2322 WHTZ 100.3 NJ Newark	
2325 WVIP 106.3 NY Mount Kisco, WMCN off	
2350 WHGC 94.3 VT Bennington, WYYY 94.5 ON, some CCI	
2357 WRUT 97.1 VT Rutland	
6 TrS & MS	
0000 WLKW 101.5 RI Providence	
0006:30 UNID 103.5 "Calls for Canadian Sanctions. However Canada." "Provincial Legislation"	
0008 WQHT 97.1 NY New York, "HHHHHOT! 97"	
8 GW & TrS	
1900 WIBO 93.5 NY Rensselaer, (GW), format change. A/C satellite format says "B-93.5"	
1921 WHMP 99.3 MA Northampton, WFSW on air	
2000 WPII 101.5 PA Pittsburgh, 2 ID's, "Back to the Bible" Broadcast	
12 TrS	
2031 WAMO 105.9 PA Pittsburgh	
13 TrS & MS	
2042 WREO 97.1 OH Ashtabula	
1918 unID 100.3 "Terry Smith Lincoln/Mercury"	
1931 CJOM 88.7 ON Windsor, Coming up: Motor City's Top 8 @ 8.	
1934 CBBC 105.9 ON Orillia	
2004 WZPR 100.3 PA Meadville	



BILL KRETSCHMER'S REPORT - continued

DECEMBER 13, 1988 MS

2005 STRONG! WZPR on MS for 9 sec., then back to TrS. (I've noted that happen to WYYY and WZPR. Short MS is possible.-gc)

14 TrS

1941 WJBR 99.5 DE Wilmington
1952 WAYZ 101.5 PA Waynesboro
1957 WIOQ 102.1 PA Philadelphia
2003 WNNK 105.9 NJ Newark
2019 WCOD 106.1 MA Hyannis
2053 WXTR 104.1 MD LaPlata, Waldorf ID (Airplane Scatter)
2055 WNNK 104.1 PA Harrisburg, ID
2035 WQMS 103.5 DC Washington, null WACS

17 Au

2100 unID 97.9 Dance mx (not WPXY)
2130 unID 99.5

18 TrS & MS

0615 WRKY 103.5 OH Steubenville, hvv lake effect snow! Buffalo FMs dead!
0704 unID 103.5 "The Satellite News Network"
2000 WEGX 106.1 PA Philadelphia

2000 WLTH 106.7 NY New York
2001 WHEB 100.3 NH Portsmouth
2001 WHTZ 100.3 NJ Newark
2006 WMEX 103.3 MA Boston, "Cash card contest-\$1000 winner-Oldies"
(Bill, did they change calls? Last I heard their calls were WODS with Oldies 103 slogan-sc)

2011 WPLM 99.1 MA Plymouth
2016 WVBF 105.7 MA Framingham
2019 WCOD 106.1 MA Hyannis
2129 WYNY 97.1 NY New York (? WYNY 103.5 or WQHT 97.1?-sc)

19 TrS

2130-2151 NYC in, including 103.5, 100.3, 105.9, and 106.7

20 TrS & AR

1637 WTSX 96.7 NY Port Jervis

22 Tr

2000-2030 WBLI 107.5 NYC, also 97.1 QHT, 100.3 Z100, 106.7 WLTH
2036 WCOD 106.1 MA Hyannis
2038 WBLI 106.1 NY Patchogue

24 TrS & AR

0731 WCOD 106.1 MA Hyannis
0813 WHOM 94.9 NH Mount Washington
0825 [WKOL] 97.7 NY Amsterdam "Kool FM" old calls WMVQ
0830 WIGY 105.9 ME Bath, null WHCN (strong)
0835 W237AN 95.3 Sydney, NY (WKXZ 93.9 Norwich)
1332 WSSH 99.5 MA Lowell, Airplane reflection o/WGY, called on air announcer Jack Lawrence

1345 [WGY] 99.5 NY Schenectady, ext: WQFM, still CHR but new jingles played after every song! Known as Electric 99, Hour ID "Schenectady..The Electric City" No changes to WGY-AM

27 TrS

1805 WHLM 106.5 PA Bloomsburg
2051 WHFM 95.3 NY Southampton "Greg, my book says WHFM is 93.1 MA but it's not" (Bill, 93.1 Springfield is now WHYN-sc)
2134 WSSH 99.5 MA Lowell (Bill, Lowell, not Boston-sc), o/WGY-FM

EQUIPMENT: Yamaha Tuner Model TX 900U, CM Stereo Probe 9 @ 40' AGL, now using CAC-11 coax, less loss. Microwave filter trap model 5KV-93.1 Mhz. Elevation 400' ASL

Write a lot of TrS to NYC, Philly, Toronto, Boston, and Cape Cod (WCOD 106.1). Received WCOD on a regular basis but didn't report it. WCOD is my most distant/listenable FM @ 311 miles (next to WCVX-58's tower). North of Hyannis, MA. I purchased an in-line trap tuned to 93.1 Mhz. It has a 20 db notch. The bandwidth is 30 db. I am trapping 93.1 WNTQ 100 kw at 12 miles! They create images with Y-94 (94.5) 100 kw, at 9 miles. By eliminating one station, the images disappear. WEZG 100.9 3kw at 1 miles I can set around. Most DXers expect a tuner should eliminate images, but here in Syracuse, two 100 kw stations so close create havoc for me. The big cities, NYC for example, only operate 6 kw, so images are non-existent. The only tuner that will suppress images here is Bob Smolarek's McIntosh MR-78! 73's, Bill!

BILL NIENAJADLY - 98 HIGHLAND AVENUE - CLIFTON, NEW JERSEY

EQUIPMENT: GE Superradio II, Radio Shack "110" mile directional ANT, 40 ft & stationary wire ANTENNA in the-Attic / 12 miles west of NYC local area. Helps to work & set out in the WEE hours!

*First, Bill sends news of a new station on in his area: 88.7 WPSC Wayne, NJ, 5 miles from Bill's location.

*Bill adds, "Dec. 9, WPSC asking for reports, will go full sked Monday Dec 11. I called! they said possible format Top 40/Rock. 200 watts, no height of antenna known to them! Nice Strong signal!" (Thanks for lettins us know about WPSC, Bill-sc)

*Correction to Bill's DEC 88 VUD report: Memorial Day 1986 DX was in Sullivan Cnty, NY, not NJ., concerning his bandcan, "94.9 never heard, meant at this address". Also Bill forgot to add WJPL 91.9 (Pirate), WPDH 101.5 Poughkeepsie, and WHTG 106.3 Eatontown, NJ to his bandcan.

Now on to some DX from Bill...

DECEMBER 1988

9/10 GW

WCWP 88.1 NY Brookville, christian rock, 35 Miles
20 TrS wx: Patchy fog, !&?@X\$! No Tropo!
2150 WEGX 106.1 PA Philadelphia, first time heard up here!
2155 WPLR 99.1 CT New Haven, over WAWZ

24 Tr wx: Dense fog

0405 WBLI 106.1 NY Patchogue, good, steady
0409 WKCI 101.3 CT Hamden, weak
0410 WMGM 103.7 NJ Atlantic City, steady, loud & clear
0414 WRCN 103.9 NY Riverhead, weak, o/local WFAS 103.9!
0426 WLTV 93.7 CT Hartford, weak
0430 WMMR 93.3 PA Philadelphia, steady, loud & clear
0452 WRSU 88.7 NJ New Brunswick, weak/WPSC & WRHU off
0453 unID 88.9 religious prms, weak (maybe WFRS Smithtown?-sc)
0509 WRVH 105.5 NY Patterason-Pawlins, good, o/semi-cl WDBA
0514 WDBD 96.5 PA Philadelphia, weak
0518 unID 91.5 Local WNYE off! weak/steady with uninterrupted classical music! (WBJC Baltimore is possible-sc)

0935 WDRC 102.9 CT Hartford, weak/steady, all other DX gone
26 GW WNYE off

0103 unID 91.5 Pirate! Playing Gimme Shelter by Stones, real faint, hardly picking up

0310 WSOU (89.5 S. Orange, NJ-sc)
unID 89.5 Spanish prs, faint conditions flat

28 GW WHPC/WBAU off! (Garden City, NY-sc)

0155 WRPR 90.3 Mahawah, weak, scratchy, 1st time heard in this area (rare catch).

0300 WAMC 90.3 NY Albany, weak, "This is WAMC Albany, NY serving Western New England, Central & Northern NY State"!

Note to DXers: This station is classical & only IDs at the top of the hour. The announcer talks between selections & never mentions WAMC!, exception on the air. At some 140 miles or so WAMC 90.3 Albany NY is my all time "sheer groundwave" champion station. The last "sheer groundwave" was WYSP Philly 94.1. So now I'll list WAMC only if it overrides WHPC/WBAU. "Sheer Groundwave means not tropo or Airbounce or TrS. So now WAMC is now officially GW.

Notes on 24th tropo: Almost like spring time tropo! Wx in the 40-45 range! mucho fog! Good hearing WRCN! last time 8 years ago! WMGM 103.7 Atlantic City now hot hits with jingles etc! Amazing, no WAYV 95.1 AC! Usually it comes in tropo AC range of station. Still.... I gotta get a better radio! Is there any station on 91.5 with classical music?-BN (I believe WBJC Baltimore is classical.-sc), no IDs, quite curious about that unID.

Good DX & HAPPY NEW YEAR

Bill

FRED NORDQUIST - 7945 BOXFORD ROAD - CLAY NY 13041 (ELT)

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

SEPT 1988
10 Tr
0856 WGIX 95.3 NY Gouverneur r "95X WGIX" 89
19 Es 2138-2158 FL MUF:89.5 MHZ
2200 WPCS 89.5 FL Pensacola g, ID 1071
29 Tr
1500 CFMX1 96.3 ON Mississauga c, CFMX ID 178
OCT 1988
22 Tr (Ch 3/24 & WCNY-91.3/WNHR-102.9/WNTQ-93.1 off air due to
power failures/snow-storm 1930-2100 approx)
2100 WGRC 91.3 PA Lewisburg g 155
2029 WCAN 93.3 NY Canajoharie folk mx/request/Albany area 80
2046 WNYE 91.5 NY New York ID 199

NOV 1988
11&12 Es 2135-0017 GA/FL/SC/MS/TX/LA MUF:108+ MHZ
2138 WCHY 94.1 GA Savannah ID Y94FM 811
2152 WKTZ 90.9 FL Jacksonville b, ID 936
2205 WKOB 107.5 SC St George r Q-107 729
2212 WKYG 106.3 GA Glennville k, ID 839
2220 WTKT 94.9 FL Tallahassee k, TNT Country 987
0001 KTKC 92.7 LA Springhill sports 1174
0014 KAFX 95.5 TX Dibold ID, K-Fox 95 1317

DEC 1988
12 MS-Geminids
2131 KMIT 105.9 SD Mitchell "the KMIT..." 1098
2307 WKIG 106.3 GA Glennville "WKIG..." prev. via Es 836

25 Tr
1759 WTRB 103.3 NJ Princeton c, ID/NX 206

26 Tr
2203 WDMH 95.3 PA Honesdale r, NX/ID 116

27 Tr
0154 WNSR 105.1 NY New York Soft Rock 199
0833 WEGX 106.1 PA Philadelphia Eagle-106 226
1043 WYSP 94.1 PA Philadelphia "94-WYSP, r 60's/70's/today" 226

28 Tr
1103 WVTF 89.1 VA Roanoke FM89 NX/vx/ID prev. via AU 410
1621 WHKS 94.9 PA Harrisburg Kiss-95 now hrd often 201

29 Tr
2356 WFMY 106.3 NJ Blairstown r, ID 162

30 Tr
0026 WHJV 105.5 NY Patterson r, ID 170
2125 WRHU 88.7 NY Hempstead IDs, lcl annts 212
2132 WRSU 88.7 NJ New Brunswick BKB-Tenn vs Rutgers 202
2257 WTLG 102.3 PA Pittston r, Q-102, ID 126

Totals now up to 1415. Most DX after 12/25 was aided by home-brew tuneable bandpass filter to punch thru locals to E/SE. 73-Fred.

ROGER GRAVELLE - 60 VALERIE ST. - ST. THOMAS, ONTARIO N5R 1A8

Roger has some comments concerning his December 1988 NFMDX report. First about his CJBC 90.3 report: Roger seems to have been the only one around who caught them testing. According to an engineer at the CN Tower, CJBC-FM 90.3 will be on the CN Tower, and will debut in about three months (Roger talked to the engineer in December). So maybe by the time you read this CJBC-FM will already be on the air. The engineer also claims CBL-94.1's ERP is about 114 kw, not 38 kw as in the FM Atlas. He also said the other CN Tower stations are also as high as that or higher. Also, Roger has tossed a new station: CFMX1 96.3 Mississauga, Ontario (translator of CFMX 103.1). He picked them up December 13. (Roger and I also discussed his FM 92 California, Pa. lossing on Sept. 11th. He confirms the station he heard WAS on 92.1, and that it was running commercials, for the California area. That would rule out WKST Ellwood City, about 40 miles away, and WVCS 91.9 California, which is non-commercial. If anyone has any explanation for this lossing, please send it in!-ec)

REPORT TO NORTHERN FM DX!!!MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

AUGUST 1988

8 Tr
1002 CITE 107.3 PQ Montreal, FF
10 Tr
2350 WQKX 94.1 PA Sunbury, 94KX

SEPTEMBER 1988

7 Tr
0730 W218AC 91.5 CT Naugatuck, // WFME 94.7, I have since heard them in the Waterbury area on the car radio.

12 Tr,
2200 Coastal tropo (Norfolk, Ocean City, Exmore, etc.)

OCTOBER 1988

16 Tr
1850 Coastal tropo (Southern NJ, Phila., Norfolk, etc.)

NOVEMBER 1988

8 GW
1924 WBBS 105.1 MA Great Barrington Lite 105.1, Stereo, however I have since heard them in mono at times. WOLI 105.1 Providence makes it tough for them.

11 Es

2116 WDEF 92.3 TN Chattanooga
2121 WKBB 100.9 MS West Point
2122 WVNA 100.3 AL Tusculmbia
2126 WZLQ 98.5 MS Tupelo
2130 WRSA 96.9 AL Decatur
2132 WOKK 97.1 MS Meridian, Country 97
2139 WZBD 102.5 AL Tuscaloosa, Z-102
2140 WQEN 103.7 AL Gadsden, Q-104
2341 KHLT 94.1 AR Little Rock, K-Lite

DECEMBER 1988

10 MS
0813 KMBR 99.7 MO Kansas City, "...99.7, KMBR..."

11 MS

2155 KFMH 99.7 IA Muscatine, "...on the real FM, 99 plus is KFMH, Muscatine..."

17 AU

2150 WOMC 104.3 MI Detroit

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

EQUIPMENT: PIONEER TX-9100 TUNER, RADIO SHACK 6-ELEMENT ANTENNA ROOF MOUNTED 20' AGL., COAX AND ARCHERROTOR USED.

JANUARY 1989

11 Tr

0740 WHKSJ 94.9 PA Harrisburg, r\$, The New Kiss 95, o/semiICI CKQT.

Not much DX to speak of in December and January. There was a skip opening that reached FM in December, but I forgot to write down the date. Logged new were WACC 90.7 Augusta, Ga. and WOCR 92.5 Safety Harbor, Fla. (on with classical now). Also I heard a Top 40 station on 95.7 IDing as "The New Power 95". Anyone know who this was?
* Losos this month compliments of Larry Fuss and Joe Feia.

* Format Change: WQIV 105.1 DeRuyter, NY has changed from religious to classical programming. Also: CJBC 90.3 Toronto should be on shortly (see Roger Gravelle's report), and WPSC 88.7 Wayne, NJ is on air (see Bill Nienajady's report). WFBF 89.9 Buffalo is also expected soon w/family radio. Also WGFN 99.5 has changed calls to WGY-FM. Same format as before.



100,000 WATTS

24 HOURS A DAY

WRSA

97 STEREO

FM RADIO

DECATUR > ALABAMA
ROUTE 1, LACEY'S SPRING
ALABAMA 35754.

NORTHERN FM-DX

A sample DX report in NFM DX format...

JOE DXER - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

EQUIPMENT: Onkyo T9090 for receiver, Stereo Probe 9 antenna

MAY 1988 *month/year*

12 Tr *date and propagation mode*
 2330 WCKZ 101.9 NC Gastonia, ss, "Kiss 102", ad for Charlotte 315
 2340 WQUT 101.5 TN Johnson City, rs, Tri-Cities wx 356
time (24hr) Calls (freq) State - City
 (If I want to make a comment about a report, I put it in parenthesis and tack on a "sc" on the end-sc)

Comments
distance to station

Here is unidentified station notation:

12 Tr
 2350 unID 95.1 rock music, "95Q" slogan (You heard WROQ Charlotte-sc)

ABBREVIATIONS AND SYMBOLS:

14 Es
 1232 KQUE 102.9 TX Houston - 1st time person has heard the station
 1237[KKHT] 96.5 TX Houston, 1st time heard with new call letters usually mentions old call (Ex: KSRR) 1245
 1238 KUHF 88.7 TX Houston, heard with new propagation mode 1245
 1240 KZZO 107.5 NM Clovis, new state or province for DXer 1512
 1242 KVRP 95.5 TX Haskell, only a tentative listing 1402

s - stereo	e - ethnic	n - news
r - rock format	g - gospel or religious	t - talk
p - progressive rock	j - jazz	s - soul;
b - easy listening	k - country	"urban contemporary"
c - classical	m - middle of the road / "adult contemporary"	

two of these can be used to suggest a mix in formats. For more detail consult Bruce Elvins's FM Atlas, a very valuable tool for FM DXers.

OTHERS:

AOR - album oriented rock
 CHR - contemporary hit radio (TOP 40)
 wx - weather
 nx - news
 mx - music
 TC - time check
 o/ - over, u/ - under

PROPAGATION MODES:

Es- E-skip
 Tr- Tropo
 TrS-Troposcatter
 MS- Meteor Scatter
 Au- Auroral Scatter
 GW- groundwave or local signals
 AR- Airplane Reflection

If you live in the areas specified in my column, send your report to NORTHERN FM DX, Greg Consiglio, 5100 Glenwood Drive, Williamsville NY 14221. Danny Buntin of Stillwater, Okla. handles SOUTHERN FM DX.

FM Statistics

(continued from page 17)

FEB 1989 STATES STATS USA FM STATISTICS

PU	#	-DXER	#	-DXER	IPU	#	-DXER	#	-DXER	IPU	#	-DXER	#	-DXER
AL	54	Tnc	51	Jeb	ILA	72	Rsa	50	Pdy	IGH	191	Rst	177	Fnc
AK	11	Jje2	0	None	INE	30	Rst2	20	Mno	IOK	100	DBu	51	Fho
AZ	43	Pdy	32	Jje2	IND	48	Gha	50	Jfe	IOR	31	Jpi	20	Jje2
AR	86	DDd	61	VEa	INA	89	Rst2	77	Mdu	IPA	146	Dni	121	Fho
CA	321	Jje2	115	Pdy	INT	139	Fnc	129	Rst	IRI	14	Mno	11	Rst2
CO	65	Jje2	54	Pdy	IMN	152	Jeb	129	Jeb2	ISC	47	Pdy	45	DBu
CT	49	Mdu	41	AMI	IMS	64	Tnc	43	Fnc	ISD	31	Fnc	30	Jje2
DE	11	Sme	10	Doe	IND	70	DBu	56	Jfe	ITH	93	Jay	82	Tnc
FL	142	DBu	126	Pdy	INT	25	Jpi	21	DBu	ITX	267	Pdy	211	Rsa
GA	70	Pdy	63	Jpi	IHE	44	Jje2	32	Pdy	IUT	25	Pdy	21	DBu
HI	0	None	0	None	IMV	20	Pdy	18	DBu	IVT	12	Rst2	12	Mdu
ID	26	DBu	26	Pdy	INH	22	Rst2	15	Mdu	IWA	53	Jfe	51	DBu
IL	172	Rst	136	Lnc	INJ	69	Jfe	61	Rsc	IWA	33	Fnc2	30	Jje2
IN	162	Rst	112	DBr	INH	44	Jje2	33	Jpi	IWW	34	Rst	33	Fnc
IA	95	Jeb	74	BE12	INT	182	Fnc	156	Dni	IWI	132	BE12	119	Jeb
KS	81	DBu	51	Fnc	INC	75	Pdy	69	DBu	IWT	23	Pdy	19	Jje2
KY	84	Rst	55	Pdy	IND	34	Fnc	33	Fnc2	IDC	13	Gha	13	Dni

KEY TO DXER INITIALS/LOCATION

Jay	JIM	AYERS	TN	MURFREESBORO
DBr	DAVE	BUNFIELD	IN	MUNCIE
Mdu	MIKE	BUGAJ	CT	ENFIELD
DBu	DANNY	BUNTIN	OK	STILLWATER
Scn	SAUL	CERNOS	OH	BURNT RIVER
Jeb2	JOHN	EBELING	IN	PROSIT
Jeb	JOHN	EBELING	IN	BLOOMINGTON
BE12	BRUCE	ELVING	IN	DULUTH
Jfe	JOSEPH	FELA	NJ	S PLAINFIELD
Whe1	WILLIAM	HEPBURN	OH	CORNWALL
Whe2	WILLIAM	HEPBURN	NY	CORAL HARBOR
Jje2	JOHN	JEFFERSON	CA	PLEASANTON
Jje3	JOHN	JEFFERSON	AK	ANCHORAGE
Fnc2	FRED	MCCORMACK	ND	FARGO
MS1	MATT	SITTELL	TH	KINGSPOORT
Fnc	FRED	MCCORMACK	ND	DES LACS
Tnc	TIM	MOVEY	TH	BOLIVAR
Fnc	FRANK	MERRILL	MI	MILAN
Dni	DAVID	NIEMAN	NY	AKRON
Fho	FRED	MORQUIST	NY	CLAY
DBd	DAVID	OBELL	AR	LITTLE ROCK
Doe	DANIEL	GETTING	PA	BROOMALL
Jpi	JIM	PIZZI	IN	LOVINGTON
Jpi1	JIM	PIZZI	CA	ORCUTT
Rsa	RICK	SANFORD	TX	BURNETT
Rsc	ROBERT	SCHWEITZER	NJ	E BRUNSWICK
Rst2	RICHARD	STEINBERGER	MA	HUDSON
Rst	RALPH	STROBEL	IN	MUNCIE
Sme	STEVE	WEST	PA	HAVERTOWN
Pdy	PAT	DYER	TX	SAN ANTONIO
VEa	VERNON	EATON	AR	BENTON
Gha	GUS	MANCUSO	ND	CHEVERLY
AMI	ALAN	NICHOLEK	MO	SPRINGFIELD
Rsa	ROBERT	SHOLAREK	HJ	OLWICK
Lnc	LARRY	HEADE	IL	CHICAGO

CANADA/MEXICO/FOREIGN STATS

PU	#	-DXER	#	-DXER	IPU	#	-DXER	#	-DXER	IPU	#	-DXER	#	-DXER
CANADA														
AB	24	Jeb2	25	Jje2	ICHI	6	Jpi	6	Fnc	ISLP	2	Tnc	0	None
BC	20	Jje2	8	Jeb2	ICHP	2	Pdy	0	None	ISOM	3	Jje2	3	Pdy
MB	15	Fnc	13	Fnc2	ICDA	6	Jpi1	6	Pdy	ITAB	2	Tnc	2	Pdy
NB	6	Rst	3	Fnc	INF	21	Tnc	21	Jpi	ITAM	6	Pdy	5	MS1
NF	13	Fnc	12	Dni	IDUR	1	Pdy	0	None	IUC2	9	Jpi	5	Tnc
NS	8	Sch	8	Jfe	IGRO	5	Pdy	1	Jpi	IYUC	2	Jpi	2	Pdy
ON	103	Dni	72	Fnc	IGTD	9	Jpi	2	Tnc					
PEI	2	Jfe	2	Rst	IHGO	1	Jpi	0	None	IFOREIGN				
PQ	24	Dni	23	Fnc	IGAL	12	Tnc	10	Pdy	ICUBA	3	Jfe	2	Mdu
SK	8	Fnc	7	Whe2	INEX	3	Jpi	3	Pdy	IBELIZ	3	Pdy	1	Jpi
NHT	1	Whe2	1	Jeb2	INITC	3	Jpi	1	Pdy	IBERNU	3	Dni	2	Fnc
					INOR	4	Pdy	3	Jpi	IEL SA	3	Pdy	1	KSi
					INL	15	Pdy	5	Jeb	IGUATE	9	Pdy	4	KSi
MEXICO														
AGU	1	Jpi	0	None	IOAX	1	Jpi	1	Pdy	IHONDU	2	KSi	1	Pdy
BCN	14	Pdy	10	Fnc	INAY	1	Pdy	0	None	IJAMA1	3	Jpi	2	MS1
BCS	1	Pdy	0	None	IPUE	5	Pdy	4	Tnc	IPUERT	4	KSi	1	Dni
CAN	1	Jpi	0	None	ISIN	2	Jje2	0	None	ID.REP	1	KSi	0	None

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED DUE TO SPACE CONSTRAINTS.....(FJN).

NEXT MONTH * CANADA'S CONTINUOUS
 in the V.U.D. VHF MARINE OUTLETS
 * 1989 W.T.F.D.A.
 MEMBERSHIP ROSTER



ANARC UPDATE

ANARC in 1989

1988 was one of the most active years for ANARC. In 1988, the newsletter was revived and improved. A computer BBS was set up to keep users informed of the latest DX news and club activities. ANARC participated in a Labor Day Weekend SWL/Ham/Computer enthusiasts festival in Virginia. And ANARC fought for the interests of DX'ers in two proceedings before the FCC.

1989 will be another active year for ANARC. Robert Horvitz, the Executive Secretary of ANARC has outlined several things he plans to do. The fight for FCC'er rights will continue at full force in 1989. The two proceedings before the FCC are still in the rule-making process, and have not been finalized. Bob is following developments of the ECPA (Electronic Communications Privacy Act). Several states have proposals before their state legislatures that are based on the ECPA. Publicising ANARC and the DX hobby is an important concern and Bob plans to work with receiver manufacturers and retailers on this project. Several retailers have agreed to send copies of the ANARC Club list with each receiver sold. Bob is also planning to work with the clubs to improve membership through increased publicity and improvements of club bulletins and club services.

1989 will also have the most interesting ANARC Convention. It will take place in July in St. Petersburg Beach, Florida. Convention host, Jeff White is planning a "HOT" convention by concentrating on a theme, Media in the Caribbean region. Jeff has many contacts in the region through various international radio ventures he has been involved in, so the seminar speakers should be first rate. The ANARC banquet will feature Caribbean and American foods and a steel drum band. There will be more details in the next ANARC Update.

The Executive Board for ANARC for 1989 will consist of Kirk Baxter of ACE, Terry Colgan of NASUA, Tom Gavares of MDXC, Don Moman of CIDX, John Trautschold of SPEEDX, and Bob Walker of MARE.

SPRACHMAN'S CORNER New York Media Briefs

More on Long Island's "KPR's" - Each time I turn on the radio, there seems to be more local pirates on the air. None have ever been reported in the VUD. So, here is the latest list compiled from on air listening:

"Power 92" 91.3- location unknown. Heard Christmas Eve with Top 40 music. They had a tape of various station DJ's wishing Happy Holidays. Also had a "Power 92" jingle. Fair signal. No other information was given.

"WMCN" 91.7- East Massapequa. The station calls itself Massapequa Community radio. It plays mostly hard rock. It claims to have a fairly set broadcast schedule, but I haven't noticed this. The signal is fair if WAVE 91.5 can be tuned out.

"WLFN" 91.9 Valley Stream. The station plays hard rock. It has a fairly regular broadcasting schedule, usually Wednesday & Saturday nights between 6 and 8:30 pm. The signal quality is good. It has announced the power to be 300 watts, being recently increased. It claims to be on the air for about 2 years.

"WNVN" 91.9 North Valley Stream. This station has an oldies format with a nice mix of music. It has a poor signal quality here. It has only been heard here in Hicksville a couple of times, although they claim to have a set broadcast schedule of Monday nights 6-8:30 and Saturday mornings.

"WFPR" 91.9 Floral Park. The station plays hard rock. The signal quality is fair here in Hicksville. It has a fairly regular broadcast schedule and has been heard simulcasting with "WNHP" at times. Regular schedule is Sunday and Thursday nights 6-8:30.

"WROK" 91.9 Plainview. This station plays hard rock music. It usually broadcasts for less than an hour with no set schedule, although it is on the air often, usually several nights a week. The announced power is 5 watts with more to come. The signal quality is strong. They claim to broadcast from the Plainview water tower.

"WTPN" 91.9 East Meadow. This station calls itself "Turnpike Radio" for Hempstead Turnpike (a major road through East Meadow). It plays Urban Contemporary disco music. They call their program "Club 92". They DJ's work at a dance club in Levittown. The station is usually on two nights a week, especially on Saturdays after 9pm. It tends to broadcast for several hours each night they are on. They claim to be broadcasting from the top of the Nassau County Medical Center. Their signal booms in here due to close location.

"WQCC" 91.9 Bayside. This is the only non-Nassau County pirate heard, It has only been heard once.

"WNHP" 103.1 New Hyde Park. The Grand Daddy of the local pirates. It has been on the air for several years. It plays hard rock. It is usually on the air after "WFPR" with occasional simulcasts. Its also been noted on "WFPR" that it is announced when WNHP will go on the air so "WFPR" can go off the air. This station does not have any set broadcasting schedule. The signal quality is fair, just slightly better than "WFPR".

All of the above pirates claim to be broadcasting in stereo.

WUPR 95.5 has changed its call letters again. When ever a rating service did a survey, more people knew "Power 95" as WPLJ than as WUPR, so the station re-reverted back to WPLJ. This did not help the stations ratings. The format remains the same as they chase WHTZ ("Z-100") and WQHT ("HOT 97").

WFAS-FM 103.9 claims to be New York's only all CD radio station. It is hard to tell if the sound quality is any better playing only CD's as opposed to playing a combination of CD's, Tapes, and records.

Where is "WEE-BEE 108" (WEEB 107.9 Westport CT)? Are they off the air? Have they gone out of business? In the past, I've noticed that their signal has been weak as compared to when they were WDJF. But lately I've noticed no signal on 107.9. So, count this one as off the air until further notice.

Where is W53AA? As reported in a previous "Sprachman's Corner" they had begun testing again. They did this for three or four days in November, only to disappear again. Well, they reappeared for one night so far in January. Just testing, no programming. I have no further info on this at this time.

Albany Area Media Briefs

I was lucky to spend a little time outside of Albany NY in early December. Several interesting changes have taken place. WBSB 105.1 from Great Barrington MA is now on the air with a top 40/lite rock format. They are co-owned by the company that operates WBSB 860 AM Great Barrington. They do not simulcast. In Albany, WKOK 1460 AM is now WGNAA and simulcasts WGNAA-FM 107.7. Finally, WRUV 93.5 Hudson NY has dropped its country music format and is now playing easy listening music. I think this has included a call letter change to WRES. The format is similar to the format of WRCW-FM 95.5, from Albany.

Well, that's it for this month. I hope everyone has the best of DX in 1989!!!



Steven P. Sprachman.

WMST 1150 AM
105.5 FM

WKCA Double Q 98.1 WKZQ
107 fm

WNBC-TV4

FOX 5 **WLV**

WPLN FM90

Relaxing Music Radio
WZCZ EASY93FM

NEW!
ez24
CHANNEL 24 - THE CLASSIFIED CHANNEL
PROGRAMMING SCHEDULE

5:00a.m.- 7:00a.m.- Auctions, tractors, farm equipment, building supplies, livestock, poultry, pets, horses, etc.
7:00a.m.- 9:00a.m.- Appliances, stereos, radios, furniture, household goods, etc.
9:00a.m.-10:00a.m.- Antiques and collectibles
10:00a.m.-11:00a.m.- Garage Sales
11:00a.m.-12:00p.m.- Rentals-apartments, houses, room-mates, etc.
12:00p.m.- 2:00p.m.- Employment opportunities by business
2:00p.m.- 3:00p.m.- Service directory
3:00p.m.- 4:00p.m.- Miscellaneous goods
4:00p.m.- 5:00p.m.- Boats, campers, recreational vehicles, motorcycles, bicycles, etc.
5:00p.m.- 7:00p.m.- Automobiles, trucks
7:00p.m.- 8:00p.m.- People wanting employment
8:00p.m.-10:00p.m.- Homes, acreage, etc.
10:00p.m.-12:00a.m.- Matchmaker-Personals, Lost & Found, Apt. Sharing
12:00a.m.- 5:00a.m.- "A Mixed Bag"-all the different categories.

INTERNATIONAL NOTES

conducted by Ronald Stock

I hope that all of you who DX TV on VHF have been getting ready for F2 TV DX. Experts say it has been good this winter and will probably be near the best ever in fall, 1989. Some surprises may come even before that time! Its kind of like the late 1950s all over again!!!! F2 has even come up to 50 MHz for short periods on some days here into the New York State area.....maybe someone has been able to view European TV on 48 MHz by now? Video "buzz" (thats what a video carrier sounds like on an audio reciever or scanner) from 45 - 46 MHz transpacific paths has been open according to Les Remmer in the Puget Sound, State of Washington area, and he said that coastal California was BOMBARDED with moderately strong buzz on some good days, and I sure hope anyone who may have been able to see it (with modified TVDX sets, of course) in North America will report it to your respective DX columns. A further interesting point is the possibility of transpacific FM band DX--not too likely by F2 as Les says because even in the best ever F2 skip situations, F2 has never gone too much above 70 MHz.

"Merci beaucoup" to HERY J PASCAL of Loire, FRANCE who recently sent a nice note to club HQ. He is also known as F11BPI in among DX'ers there, and even has his own logo as at right. Bon DX Monsiuer! France is in a position to get some of the most interesting TV and FM DX in Europe. Imagine what its like to be in E skip Africa, Scandinavia, and Eastern Europe all at once, with a good shot at North America coming soon with the improved F2 conditions. And there are one or two multi-hop E skips across the "pond" almost every June-July!!!



TV-DX'ing is alive and well in ENGLAND!!! A big thankyou goes out to Mr. Bob Horvitz of the ASSOCIATION OF NORTH AMERICAN RADIO CLUBS (ANARC) for passing this info to us: "You may already know about this, but a brief note in the Sept. issue of the World DX Club's "CONTACT" recommends the bimonthly magazine published for TV-DXers by SCREEN EUROPE. No price given, but address is C/O Tim Anderson, 2 Burry Rd., St. Leonards-On-Sea TN37 6QX ENGLAND . . . they also publish fact TV-DX fact sheets." I now have recieved via club PO Box 514 a copy of SCREEN EUROPE courtesy of Mr. Anderson and its excellent -- it looks just like the earliest issues of V.U.D. which long time DXers such as Seybold, Draeb, Janowiak, Cooper, and etc., probably remember -- they are collectors items now!!!! (The issues, not the DXers!!!)

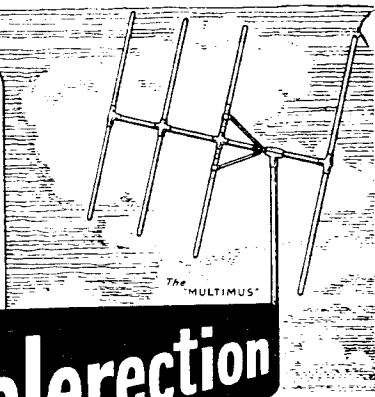
Anyway . . . Tim Anderson says that TVDX'ers in ENGLAND are looking forward to the improving F2 skip conditions and hopes to see "U.S.A. and Canadian TV transmitters in out bands I & II, ie. channels A2 to A6 as with the increasing MUF's it should not be too long before we can receive pictures from over the pond!" Bravo to Tim and to Dave of SCREEN EUROPE, a very useful publication which every avid European TV DX'er should be reading these days!

One more really fascinating thing, again from ENGLAND and again thanks to Bob Horvitz of ANARC, the first of two very interesting ads from the British electronics magazine WIRELESS WORLD in DECEMBER 1951 (I will run the other one in my next column.):

The Picture
can ONLY
be as good
as the
AERIAL -
be sure with

Telerection

specially for Fringe Areas
Antenna Works, St. Paul's
CHELTENHAM Telephone Cheltenham 55960



STATION BREAK

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

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

WANTED - Information on where I could buy a Teknika 6510 or 6510-T (new or used) remote tuner.
Paul Estes - 476 Val Mar Dr. - Kewanee IL 61443

FOR SALE - Onkyo T9090 FM tuner. Very good condition, used little. Includes manuals & packing. \$350. Call 10 AM 10 PM CLT (not collect)
George Sherman - 104 Pinewood Circle - Apple Valley, MN 55124

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

NOTICE:

**ANNUAL CLUB DUES
HAVE DECREASED TO:
\$17 - U.S. MEMBERS
(FIRST CLASS MAIL)
\$18 - CANADIAN MEMBERS
(ON U.S. FUNDS)
\$27 OUTSIDE NORTH
AMERICA (U.S. FUNDS,
AIR MAIL ONLY)**