From the editor:

Following changes in publication of DX:

Why? It looks as if I'll take possession of the house I'm buying on December 23, if all goes well, and I'd rather not take a chance of losing contributions. In fact, use the Box 5711 address until further notice.

The erratic schedule of DX and reporting habits, I think a change in publication dates changing DX and reporting habits, I think a change in the schedule of DXN from March through October. One suggestion, partly from Bill Hale, is to add an issue or two through the summer, go bi-weekly in October, then run weekly from November through March and bi-weekly from April until early June. In view of changing DX and reporting habits, I think a change in publication dates may be in order, but I'd like some input, especially from editors and former editors, before I propose a schedule to De Boss.

IDXD, Musings... The erratic schedule of Musings and IDXD recently has nothing to do with riever weather in Georgia. Chuck's job takes him unexpectedly to strange places, and Herman's job has changed, causing him to lose a secretary, even though he was promoted.

Herman promises that although he's behind on typing, he'll catching up rapidly.

They joined... William Plant, Sterling, VA; Jim Glover, Limestone, NY; and Roger Young, N. Charleston, SC.

Speedy recovery... to both Ray Nemec and his wife, who suffered broken ankles, from a bicycle and stairs, respectively, according to Wally Wawro.

DX Tests...

December 5, Monday - 2:30-3:00 am EST: WPYK-1010, with tones and coded ID's, at 5 kW
D1: V/s: Bob Upton, GM - P. O. Box 460 - Dora, AL 35062 (Wayne Heinen, NRC)

December 12, Monday - 2:30 am EST: WTRF-970, at 5 kW. V/s: Joey Meredith, Program Director - P. O. Box 747 - Troy, AL 36081 (Jeff Tynan and Wayne Heinen, NRC)

December 19, Monday - 2:30-3:00 am EST: WASG-550, including Morse code ID's, at 5 kW. V/s: R. Dale Gehman, General Manager/Chief Engineer - 1210 S. Main - Atmore, AL 36502 (Wayne Heinen and Jeff Tynan, NRC)

Inside...

- AM Switch, 12 - WROK rolls
- City quiz, 17 - Musings
- DXD-E, 23 - NRC Financial
- DXD-W Statement
- FCC rules, 24 - We got your number
**AM SWITCH**

Jerry Starr

c/o WHOT Radio, 4040 Simon Road, Youngstown, OH 44512

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**CALL LETTER CHANGES**

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>760 WTCN TN Knoxville</td>
<td>WKRL 1340 KFMR TX Lubbock</td>
<td>KMGN</td>
<td>1230 WJMO FL Jacksonville Beach</td>
</tr>
<tr>
<td>1070 WOAM KY Elkhorn</td>
<td>WEXT 1420 KNOW TX Lufkin</td>
<td>KBIZ</td>
<td>1130 WERVA VA Onley</td>
</tr>
</tbody>
</table>

**APPLICATIONS/GRANTS FOR NEW STATIONS**

None

**APPLICATIONS FROM EXISTING FACILITIES**

<table>
<thead>
<tr>
<th>Station</th>
<th>City</th>
<th>Owner</th>
<th>Power</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>540 KJCC CA</td>
<td>Carmel Valley</td>
<td>day power to 10000 watts</td>
<td>antenna to U4</td>
<td></td>
</tr>
<tr>
<td>760 KSPO WA</td>
<td>Dishman</td>
<td>relocate new station not on the air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1600 KLER LA</td>
<td>Golden Meadow</td>
<td>add 250 watts nights, antenna to U2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OTHERNESS**

<table>
<thead>
<tr>
<th>Station</th>
<th>City</th>
<th>Owner</th>
<th>Power</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>840 KJKK TX</td>
<td>Pharr</td>
<td>new station is on the air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930 WLBL WI</td>
<td>Auburndale</td>
<td>listed as being located in Madison in the new Log, address is Madison, but actual location is Auburndale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1120 WOOU FL</td>
<td>Apalachicola</td>
<td>new station is on the air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1320 WACF AL</td>
<td>Dothan</td>
<td>station is SILENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1480 KRRX ID</td>
<td>Gooding</td>
<td>station is SILENT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**THANKS to NRCEs Wayne Heinien and Doug Smith for their Otherness contributions**

73 and Good DX, Jerry & BKF Jerry Starr & Buffalo K. Foonman

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**CITY QUIZ**

Under are some helpful hints: 600 690 800 870 1230

Only one city in the United States has stations operating at the following city locations. Of course, there may be other stations in this city too. Can you spot the city?

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**GROUP W SELLING KOSI, KEZW RADIO**

By Joanne Oslow

Denver Post Television Radio Column

Group W, broadcasting companies headquarted in Denver, Colorado, is selling its KOSI-TV (Channel 5) and KEZW 1370 AM, to a subsidiary of Mutual Broadcasting System.

**AMERICAN FAMILY NETWORK**

By Joanne Oslow

Denver Post Television Radio Column

The American Family Network, an arm of Mutual Broadcasting System, is exclusive to stations that are not owned or operated by Group W.

---

**DOMESTIC DX DIGEST - EAST**

William Hale

2160 Farm To Market Road, Johnson City, NY 13790

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**HISTORY & HINTS**

- After the past couple weeks' worth of reports, we ask the musical question. How can we top this? Well, the answer is to report your DX. It's great to get your reports, and then see them in DX News. Keep those cards and letters coming.

- Steve Witt of Ipswich, England, along with Mark Hattam made a DXpedition to Shegria, Scotland and garnered some fantastic DX. This included what looks like many new Graveyard records. I'll figure it all out and report the results next week.

- Apologies to Eric Boumenen for mis-identifying his as Roger Winsor in Issue 7. Must have been the late hour of typing and multitude of reporters.

- Hey, Hey, Hey!! Two new reporters this week, with lots of new DX to report. Bob McCoy of Lincoln, NE and Sheldon Harvey of Greenfield Park, PQ check-in with their initial contributions to the column (at least since I took over 2 1/2 years ago). Welcome aboard, gents. Here's hoping we hear some DX from both of you.

**SPECIAL**

- WKSH GA ATLANTA: this site is the new station which has dropped all, not WSB which is still C-Quan (EB-GA)
- WSB GA ATLANTA: still C-Quan (EB-GA)
- WUNN AL AMFINS - 11/12 1294+ with Business Radio Network talk, various ads & program for Huntville/Atlanta/Atlanta. Please try this to be ex-WJHN (DS-TN)
- WWOU FL DESTIN - 11/7 2313 good poor over Cuba and in KXNO null with election returns. Many Ft. Walton beds are, ROK OLD; was on late for election returns, new station now on (EB-GA) (Elections are not justification for a daytimer to stay on late. I hope these guys know they are one-RWH)
- WNNO TN CHATANOOGA - 11/12 with NN Heart & Soul OC OLD format (DS-TN)
- WRRR IL ROCKFORD - 11/11 with NOS; no IRS, but this is format change from what they've been running as WBR, and they did use WRRA CLS in with NOS format (DS-TN)
- WRLT TN MADISON - 11/12 1722 with lite ROK WRRL-PM 100.1 (DS-TN)
- WXCH TN CHATANOOGA - 11/12 with Classic Rock OLD AOR (DS-TN)

**UNICORNS & UNICORN TID**

- UN1D ?? - 11/8 and every night since xmt with Latin nr, EE BBD (like one heard in old Fred Astaire movies), female SS announcer, blowing WCCO away; WSB/BN & (PM-NT) & (WRH-NT)
- WRAH IL QUINCY or WAUR IL SANDWICH may have been Rick & HalickyUNID - 11/16 2315 with lite ROK WRRA.

**FLIGHTS & OTHER ILLEGAL ACTIVITIES**

- WKXN PA PITTSBURGH - 11/19-29 2200 pirate with very little talk; long, futuristic narrative by Richard Burton with ROK ax (sort of a futuristic Jesus Christ superstar rock opera); IDs with Dr. Who Theme; WKBQ GNM & -collar radio; cricket feed monitored > midnight with no address hear; fair (HF-MI) (I believe this is the station you heard, Harold. John Malicky reported same in SPECIAL Issue 7, WRH)

**HOTLINE TO READER**

- KLDD TX DALLAS - 11/13 0010 fair with intermitter over Cuban with AM 57 X-Oldie ID, for Royal Waterbeds, PPA, Rok OLD (EB-GA)
DOMESTIC DX DIGEST - WEST

Nancy Hardy
2301 Pacific Avenue, Aberdeen, WA 98520

It's another broadcast Sunday. Well, the latest news here is Saturday. Remember to send two reports if you want to report to both DDEX-West and TMC's W4RX. No computer here yet (but maybe in the future).

**SPECIAL**

1030 KBEAT MO BLUE_SPRINGS - 10/26 0630 no ID, "In Kansas City it's hit station q104," over W2E. Ex-KKU. (DA-CO)

MIDDAY TO MIDNIGHT

530 WHA0356 CA CORONADO - 11/1 has been running nothing but 06 for several weeks now. (THW-CA)

560 KWT0 MO SPRINGFIELD - 11/1 2255 under KLZ. "Gold Country" MO #1. (JW-CA)

656 CKCM SK SASKATOON - 10/24 2306 "9 o'clock at CKGM," spots for Sundance Motors, 5th SK. (DA-CO)

810 CJIS MB WINNIPEG - 10/24 2330 ID on half hour into relig. Catholic Radio. "Ne. MB Fm." (CA-GO)

840 KVEG NV LAS VEGAS - 11/15 1745 pretty good with DJ chatter & AcCom. ID "AN-B66." (LW-OR)

860 CKP2 SK SASKATOON - 10/24 2315 FP ID on hour. SK #6. (DA-CO)

930 KRTN CA LOS ANGELES - 11/11 dominant at 2120 "The Southernland's #1 Smokin Oldies Station." (JT-CA)

1260 KLAZ OR Klamath Falls - 11/15 1925 very good with ID, news. Apparent change back from KKLJ. (LW-OK)

1360 KDUN OR RAYSPORT - 11/15 1945 fair-good with QM. Local spots, ID. (S-OK)

1200 KEMW MB WINNIPEG - 10/25 2156 FP, no ID on hour. Islanders & Bruins game. Good conditions to MO, CW very strong on beverage, 100% stronger than 1070. (DA-CA)

1060 KGFX SD PIERRE - 10/25 "KGVX weather. . .31 degrees in Pierre." (DA-CO)


1230 KJYR MT KEARNEY - 11/2 2135 election returns promo by woman, ID 2200 into ABC-1 news. Very good over all. New. (NH-MA)


1240 KFOR NE LINCOLN - 10/25 2255 promo for KFOR AM show. 437 miles. 941. (DA-MA)

1290 KOMA OR PENDLETON - 11/15 1951 fair with area spots, news, ID mentioned Milton-Freewater. (JW-OR)

1310 KLAX ID TWIN FALLS - 11/15 2141 poor with local spots, mention of Twin Falls. (JW-CA)

1320 UNID OK - Clifton-Weatherford area, KXOL7 Continuous loop with same. "Finger Lakes Community Center, New Life Lock Store, Butler Community College, repeated over & over with 10 sec. break between spots. Never heard anything like it before on this band. 9, 902/20 2200 on top all evening and next several nights." (DA-CA)

1330 CJYR SK ROSETON - 11/1 2247 "KY." IDs by female ID into KYL. (MAY)

1350 KLPZ AZ PARKER - 11/14 1900 poor under KOPA with ad for Clifford Motors by Bryte. (JT-CA)

1440 KUPA AZ SOUTHDALE - 10/24 2055 "The old times station, KUPA." (DA)

1600 KDLR OR EUGENE - 11/10 1604 fair with sixties music, ID. Rare here. (LW-OR)

MIDNIGHT TO MIDDAY

650 WKMP MN NASHWAUK - 10/26 0050 local news and spots, MN #6. (DA-CA)

670 WJMI AR GLENWOOD - 11/11 poor-fair 0750 "Kwixie Country." AR #144.(JT)

We consider money spent with WFAA over the last sixteen years one of our most fortunate investments.

James A. Fant
President

And eleven other more-than-twenty-year-old...
FCC Rules: EBS, Night Patterns
via Pete Kemp

FCC BROADCAST RULES RELATING TO TRANSMISSION OF EMERGENCY INFORMATION

This notice contains the full text of FCC rules concerning the activation and use of the Emergency Broadcast System by individual stations to transmit EMERGENCY INFORMATION CONCERNING THE SAFETY OF LIFE AND PROPERTY. Specific authority for stations at their own discretion to activate a local EBS emergency action notification. Rule Section 73.1250 covers procedures for AM stations to use maximum facilities and for DAYTIME STATIONS TO OPERATE DURING EXTENDED HOURS TO TRANSMIT EMERGENCY INFORMATION. Sections 73.1635 and 73.1685 contain information concerning restoration of operation after transmitting equipment damage.

This notice contains the following rules:

Section 73.913 Emergency Broadcast System Authorization.
Section 73.925 Day-to-Day emergencies posing a threat to life and property.
Section 73.935 Emergency Broadcast System operation during a state level emergency.
Section 73.936 Emergency Broadcasting System operation during a local level emergency.
Section 73.1250 Broadcasting Emergency Information.
Section 73.1635 Special Temporary Authorizations.
Section 73.1685 Emergency Antennas.

NOTE: NONPARTICIPATING EBS STATIONS MAY ACTIVATE UNDER EBS PROCEDURES AND BROADCAST EMERGENCY INFORMATION FOR STATE AND LOCAL AREA EMERGENCY CONDITIONS.

Section 73.913 Emergency Broadcast System Authorization.

(a) This authorization is issued by the FCC to licensees of broadcast stations to permit operation on a voluntary, organized basis during a National emergency consistent with the provisions of this part and the Communications Act of 1934, as amended, and Section 73.1207 of the Rules and regulations. This authorization will remain in effect during the period of the initial license and subsequent renewals unless returned by the holder or suspended, modified or withdrawn by the Commission.

(b) An EBS Authorization is not required in order to participate on a voluntary, organized basis in State and Operational (Local) Area Emergency Broadcast System operations as set forth in Section 73.935.

(c) Any non-participating broadcast station may request an EBS authorization by making such request via informal letter to the FCC in Washington, D.C. 20554.

Section 73.925 Day-to-Day emergencies posing a threat to the safety of life and property: State Level and Operational (Local) Area Level Emergency Action Notification.

(a) State level or Operational (Local) Area Level. The EBS may be activated at this level by AM, FM, and TV broadcast stations, at management's discretion, in connection with day-to-day emergency situations posing a threat to the safety of life and property. Examples of emergency situations which may warrant either an immediate or delayed response by the licensee are: Tornadoes, hurricanes, floods, tidal waves, earthquakes, icing conditions, heavy snows, widespread fires, discharge of toxic gases, widespread power failures, industrial explosions, and civil disorders.

(b) Stations originating emergency communications under this Section shall be deemed to have conferred rebroadcast authority, as required by Section 325(a) of the Communications Act of 1934, as amended, and Section 73.1207 of the Rules and regulations, upon all licensees and cable networks and systems participating.

Section 73.935 Emergency Broadcast System operation during a State level emergency.

(a) An EBS Checklist will be posted at normal duty positions where it shall be immediately available to broadcast station personnel responsible for EBS action.

(b) Operations will be conducted in accordance with the provisions of the State EBS Operational Plan.

(c) An EBS Authorization is not required for a broadcast station to participate in the operation of the State-level EBS.

(d) Immediately upon receipt of a State level Emergency Action Notification all licensees and cable networks and systems participating may at the discretion of management, proceed as follows:

(1) Monitor the State Relay Network (Primary Relay Stations) for receipt of any further instructions from the Originating Primary Relay Station.

(2) Monitor the Primary Stations designated as the CPCS for your Operational (Local) Area for receipt of any further instructions.

(3) All licensees participating in the State level EBS shall discontinue normal programming and follow the transmission procedures set forth in the appropriate EBS Checklist and State EBS Operational Plan (Section 73.921(b)) under the provisions of this part and the State EBS Operational Plan. Stations which provide foreign language programming may transmit emergency announcements in the foreign language prior to broadcasting such announcements in English. TV broadcast stations shall display an appropriate EBS slide and then transmit all announcements visually and audibly in the manner described in Section 73.1250(h).

(4) Upon completion of the above transmission procedures, resume normal programming until receipt of the cue from the CPCS for your Operational (Local) Area, or Primary Relay Station of the State EBS Network. At that time begin broadcasting the State level common emergency program received from one of the following sources:

(i) Common Program Control Station for your Operational (Local) Area.

(ii) Any Primary Relay Station of the State Relay Network.

(5) All licensees may resume normal broadcast operations upon conclusion of the State level EBS broadcast.

Section 73.936 Emergency Broadcast System operation during an Operational (Local) Area emergency.

(a) An EBS Checklist will be posted at normal duty positions where it shall be immediately available to broadcast station personnel responsible for EBS actions.

(b) Operations will be conducted in accordance with the provisions of the State EBS Operational Plan.

(c) An EBS Authorization is not required for a broadcast station to participate in the operation of the local-level EBS.

Section 73.1250 Broadcasting emergency information.

(a) Emergency situations in which the broadcasting of information is considered as furthering the safety of life and property include, but are not limited to the following: Tornadoes, hurricanes, floods, tidal waves, earthquakes, icing conditions, heavy snows, widespread fires, discharge of toxic gases, widespread power failures, industrial explosions, and school closing and changes in school bus schedules resulting from such conditions. See also Section 73.3542, Application for Emergency Authorization, for requirements involving emergency situations not covered by this Section for which prior operating authority must be requested.

(b) If requested by responsible public officials, a station may, at its discretion, and without further FCC authority, transmit emergency point-to-point messages for the purpose of requesting or dispatching aid and assisting in rescue operations.

(c) If the Emergency Broadcast System (EBS) is activated for a national level emergency while a local or State level emergency operation is in progress, the national level EBS operation shall take precedence. If, during
A hit on the radio

The beat goes on after 65 years on air because WROK/ZOK set the beat.

By Mark Curnette

"Make us like WROK." Radio consultant John Land has that phrase from many of his AM radio station clients around the country.

"The dream of many stations is to become another WROK," Land said Tuesday from Denver. "It's one of the top five or four AM stations in the United States."

WROK marked its 65th anniversary and sister station WZOK-FM at 40th year Tuesday night with a Chamber of Commerce After Hours Party.

The stations, under the management of Noble Communications Inc., since 1963, have a lot to celebrate. WZOK, which follows a contemporary hit radio format, and WROK (news and information) consistently have been the top two stations in Rockford radio.

Arthur, a New York-based ratings agency, surveys the market each spring. For 1996, WZOK was No. 1 with a 21.7 share (percentage of listening audience), and WROK was second at 16.7. It's not the first time the stations have finished 1-2.

"In markets such as Chicago, you have these or four AM stations combining for that title," Land said. WROK, a single AM station, has been the champ alone.

Nationally, less than 10 percent of radio listeners tune to AM Land added.

WROK has survived the trend away from AM because it doesn't dwell on its past.

"No one can hit a moving target," said John Noble, the president and general manager of Noble Communications. "As such WROK may seem at times, we're always experimenting.

"We try different things on both stations but haven't been afraid to admit we made mistakes."

When the call letters WROK are mentioned by station managers looking for a quick ratings fix, Land reminds them it never was allowed to decay.

"Management kept the quality high," he said. "A lot of these stations are pulling a 1.5 share and want to be No. 1. In a year, I tell them it can't be done. It takes commitment and a period of many years."

Land, president of The Lund Consultants to Broadcast Management, a San Francisco-based company, is in broadcast management since 1965 and has worked with Noble Communications for the past seven years.

"WROK is the classic AM station of 10 years ago that didn't stop being good," he explained. "During this age of specialization, many stations are all talk or all music or all news.

"WROK specializes in many things - news, talk, morning personality, a good blend of music."

Moreover, WROK is unique to Rockford.

"During the era of blitzing up and playing the music," WROK capture life in Rockford," Land said. "Listening to the station is like looking in a mirror. It truly reflects the market. You couldn't drop in it in Muscatine or Lafayette (Ind.)

I get up at 10 a.m. this morning, looked out my hotel window and saw the first snowflakes of the year hitting Denver. Here, I turned to a news station. In Rockford, you would turn to WROK.

"It's 10 a.m. and you're out and about. You hear a siren and see a fire in the sky. You know reporter Fred Speer is going to be there. WROK does everything well."

So many things we would do money. Land added.

The two Noble stations employ about 50 full-time workers, including six in the news department.

"No satellite stations have about a fifth as many employees and no news people," he said. "That saves money but decreases quality. Listeners notice.

David Saffrey, a Noble Communications vice president and radio consultant, said the station's lock ownership paid money back into its product.

"Outside ownership just takes the money and runs," said the 25-year radio executive. "We've invested in the product and didn't lose sight of serving the community. By doing these things we've helped ourselves."

Speer, a 30-year news reporter, said the stations' success is due to commitment - of time and of personnel.

"Our news distinguishes us from other stations," he added.

Even its competitors have hired key words for the stations.

"ZOK does a great job of what they do," Mike Thomas, a former program director of WZOK-FM, said in 1987. "We knew we were better than we thought."

"And WROK - they are a legend in this town. People depend on them. We work around them."

1923 to 1988

1923: The Rev. A.T. Flickman founds the original WROK-AM and gives it the call letters WKL.
The format is religious.
1925: The station is purchased by Rockford Broadcasters Inc.
Programming includes religious as well as music and commercial shows.
1927: The station is moved to the Faust Hotel on East State Street.
1930: The station becomes affiliated with Rockford Broadcasters Inc.; studios are moved to the News Tower until 1966.
1933: Call letters are changed to WROK to place the station in Rockford.
1946: WROK-AM becomes one of the first stations in the country to experiment with FM. WROK-FM is born and later becomes WZOK.
1962: Station moves to 3901 Brendanwood Road, its current home.
1982: WROK is sold to Bloomingdale Broadcasting Corp., which is headed by Vernon Noble, who acquires 100 percent of the stock in 1977.

The news team - (from left) Fred Speer, Karen Wood, Ken DeCoster and John Girardini - sets the station apart from other operations.
(4) Continued from page eleven

the broadcasting of local or State emergency information, the attention signal described in Section 73.906 is used, the broadcasts are considered as being carried out under a State level or local level EBS operational plan.

(d) Any emergency operation undertaken in accordance with this Section may be terminated by the FCC if required in the public interest.

(e) Immediately upon cessation of an emergency during which broadcast facilities were used for the transmission of point-to-point messages under paragraph (b) of this section, or when daytime facilities were used during nighttime hours by an AM station in accordance with paragraph (f) of this section, a notice form shall be forwarded to the FCC in Washington, D.C., setting forth the nature of the emergency, the dates and hours of the broadcasting of emergency information, and a brief description of the material carried during the emergency. A certification of compliance with the noncommercialization provision of paragraph (f) of this section must accompany the report when daytime facilities are used during nighttime hours by an AM station. Together with the provisions of this paragraph, that no other broadcast service existed or was adequate.

(f) AM stations may, without further FCC authority, use their full daytime facilities during nighttime hours to broadcast emergency information (examples listed in paragraph (a) of this section), when daytime facilities were used during nighttime hours for the protection of life and property, in dangerous conditions of general nature and when adequate advance warning cannot be given with the facilities authorized. Because of skywave interference impact on other stations assigned to the same channel, such operation may be undertaken only if regular, unlimited-time service, is non-existent, inadequate from the standpoint of coverage, or not serving the public need. All operation under this paragraph must be conducted on a noncommercial basis. Recorded music may be used to the extent necessary to provide program continuity.

(g) Broadcasting of emergency information shall be confined to the hours, frequencies, power, and modes of operation specified in the station license, except as otherwise provided for AM stations in paragraph (f) of this section.

(h) Any emergency information transmitted by a TV station in accordance with this Section shall be transmitted both aurally and visually or only visually. TV stations may use any method of visual presentation which results in a legible message conveying the essential emergency information. Methods which may be used include, but are not necessarily limited to, slide, electronic captioning, manual methods (e.g., hand printing) or mechanical printing. However, when emergency operation is being conducted under a national, State or local level Emergency Broadcast System (EBS) plan, emergency information shall be transmitted both aurally and visually.

Section 73.1635 Special temporary authorizations (STA).

(a) A special temporary authorization (STA) is the authority granted to a permittee or licensee to permit the operation of a broadcast facility for a limited period at a specified variance from the terms of the station authorization or requirements of the FCC rules applicable to the particular class of station.

(1) A request for a STA should be filed with FCC in Washington, D.C. at least 10 days prior to the date of the proposed operation.

(2) The request is to be made by letter and shall fully describe the proposed operation and the necessity for the requested STA. Such letter requests shall be signed by the licensee or the licensee's representative.

(3) A request for a STA necessitated by unforeseen equipment damage or failure may be made without regard to the procedural requirements of this Section (e.g., via telegram or telephone). Any request made pursuant to this paragraph will be allowed by a written confirmation conformed to the requirements of paragraph (a)(2) of this section. Confirmation requests shall be submitted within 24 hours. (See also Section 73.1680 Emergency Antennas).

(4) An STA may be granted for an initial period not to exceed 180 days. A limited number of extensions of such authorizations may be granted for additional periods not exceeding 180 days per extension. An STA necessitated by technical or equipment problems, however, may, in practice, be granted for an initial period not to exceed 90 days with a limited number of extensions not to exceed 90 days per extension. The permittee or licensee must demonstrate that any further extensions requested are necessary and that all steps to resume normal operation are being undertaken in an expeditious and timely fashion.

(5) Certain rules permit temporary operation at variance without prior authorization from the FCC when notification is filed as prescribed in the particular rules. See Section 73.62, Directional Antenna System Tolerances; Section 73.157, Antenna Testing During Daytime; Section 73.1250, Broadcasting Emergency Information; Section 73.906, Special temporary operation of broadcast facilities; and Section 73.1680, Emergency Antennas.

(b) An STA may be modified or cancelled by the FCC without prior notice or right to hearing.

(c) No request by an AM station for temporary authority to extend its hours of operation beyond those authorized by its regular authorization will be accepted or granted by the FCC except in emergency situations conforming with the requirements of Section 73.3542, Application for Emergency Authorization. See also Section 73.1250, Broadcasting Emergency Information.

Section 73.1680 Emergency antennas.

(a) An emergency antenna is one that is erected for temporary use after the authorized main and auxiliary antennas are damaged and cannot be used.

(b) Prior authority from the FCC is not required to erect and commence using an emergency antenna to restore program service to the public. However, an informal request to continue operation with the emergency antenna must be made to the FCC in Washington, D.C., within 24 hours after commencement of its use. The request is to include a description of the damage to the authorized antenna, a description of the emergency antenna, and the station operating power with the emergency antenna.

(1) AM stations. AM stations may use a horizontal or vertical wire or a nondirectional vertical element of a directional antenna as an emergency antenna. AM stations using an emergency nondirectional antenna or a horizontal or vertical wire pursuant to this section, in the same group of AM broadcast facilities, shall operate with power reduced to 25% or less of the nominal licensed power, or, a higher power, not exceeding licensed power, while interference impact on other stations assigned to the same channel and any given azimuth for the corresponding hours of daytime operation.

(2) FM and TV stations: FM and TV stations may erect any Radioantenna, or use operable sections of the authorized antenna(s) as an emergency antenna.

(c) The FCC may prescribe the output power, radiation limits, or other operating conditions when using an emergency antenna, and emergency antenna authority may be modified or terminated in the event harmful interference is caused to other stations or services by the use of an emergency antenna.

ACTION IN DOCKET CASE

FCC PROPOSES RULE CHANGES TO ENHANCE NIGHTTIME OPERATIONS BY AM STATIONS, MODIFY SKYWAVE AND GROUNDWAVE FIELD STRENGTH LIMITATIONS, AND REVISE METHODS FOR CALCULATING NIGHTTIME PROTECTION FOR AM STATIONS (MM DOCKETS 88-506, 88-509, 88-510, AND 88-511)

In four separate actions, the FCC has proposed changes to its rules to facilitate enhancement of nighttime operations by AM stations (Class II, Class III, Class II-S, and Class III-S) to improve methods for calculating skywave and groundwave field strength in the AM broadcast band, and to review the methods of calculating nighttime protection for AM stations.

First, the FCC proposed changing Class II-S and Class III-S AM stations to establish a separate nighttime antenna system without having to meet the minimum power of 250 watts or minimum power of 1000 watts otherwise required. The comments were also solicited concerning permitting full service Class II and Class III stations to operate without the requirement to operate below minimum power of 2500 watts. Class III-S stations are full-time stations on regional channels operating below minimum power at night. Class II-S stations operate on a limited basis on clear channels. This is an essential part of the proposals. This is a continuing effort to alleviate the severe problems faced by daytime-only stations because of their inability to operate during nighttime hours.

On August 17, 1987, the FCC initiated an inquiry to provide a comprehensive review of the technical principles pertaining to AM broadcast criteria and to identify any needed changes to better enable AM stations to compete effectively in the marketplace and thereby better serve the public.

The other three rulemaking actions taken by the FCC are an outgrowth of the inquiry.
Second, the FCC proposed replacing the existing AM broadcast skywave propagation curve with a new propagation model recently developed. The new model uses advanced mathematical techniques that overcome mathematical deficiencies associated with the existing curve. Use of the new curve will provide a more accurate depiction of groundwave service and interference in the AM broadcast band.

Lastly, the fourth rulemaking notice proposed revisions to the methods used for calculating the propagation characteristics of groundwave and skywave service contours. Specifically, the FCC proposed modifying its rules that relate to the calculation of nighttime ESS (root-sum-square) skywave interference levels at the protected groundwave contours of Class II and Class III AM broadcast stations and the skywave service contours of Class I clear channel stations. It also asked for comments on including adjacent channel skywave signals in such calculations.

Actions by the Commission October 13, 1988, by Notices of Proposed Rulemaking (FCC 88-324, FCC 88-325, FCC 88-326, and FCC 88-327), Commissioners Patricia (Chairman), Quello and Dennis.

Mass Media Bureau contacts: Diane Hohbauer at (202) 254-3994 (Class II-8 and III-81), Wilson LaFollette at (202) 632-614 (Calculating AM nighttime protection levels), and Larry Olson at (202) 632-695 (Groundwave and skywave calculations).

1989 World Radio TV Handbook The 1989 WRTH will be published in Jan. 1989 and retail at $19.95 + shipping. Prepublication orders are being taken, in the USA only, at $16 each. Order from me at 2/29, 3/30 post paid Book Rate. Add $2/copy First Class Mail. CA residents, please add $2 sales tax. The deadline for this special price structure is 15 January 1989. Thereafter, until orders are being taken, in the USA only, at $16 each; ordered at $15 ea., possible to: Century Print Shop, Don Erickson, 6059 Essex Street, Riverside, CA 92506. Add $4.68 to Century Print Shop, including applicable sales tax, should be mailed as early as possible.

Inquiries welcome at (714) 687-5910. Back copies of WRTH, 1981 thru 1988, may be obtained.

The opinions expressed in this column are those of the individual editor and do not necessarily reflect those of the editors, publisher, or the National Radio Club, Inc., or its subsidiaries.

I had several good descriptions of the WNBR last day and some fine historical details. So I just took the first received and plan on going back to the contributors for perhaps a feature story. However everyone is having as good a DX season as I have, and as much fun. It is hard to twist the dial and type at the same time. Keep the Musings coming in, I will catch up in a few days. 73's Herman T. Adams

Ernest Cooper - 5 Anthony Street - Provinctown, MA 02657

Please note my new area code (above); the rest stays the same. I certainly had a great time at the Milwaukee Convention, and my heart goes out to the people in the Eastern States. Mike and Sue I want to thank you for a good time in Milwaukee. I really hadn't planned on coming out there until seeing you all last night. I am proud to be a member of the DX Club, and plan on going back to the contributors for perhaps a feature story later. Hope everyone enjoys this award, but it is a great start for the next hundred. Hi.

Yesterday, I was able to report a few items on the Specialty Band DXer (FCC 88-327) and am at古怪 DXer means - I know ANARC is SW oriented, so is the CBCH the Specialty Band, or is it the FM Band? In either case, neither DX hunting grounds produced anything to warrant this award, but it is gratefully accepted, nonetheless.

As we go into yet another AM DX season, my verie count stands at 4,377 AMs and 501 FMs. My DX set is at Steve Bohac's in Branchville, NJ., for repairs as I have a lot more DXing to do this year without AM, so I'm hoping Steve can find the bug soon so I'll have my major receiver back in harness soon again.

One question, does anyone know the actual call letters of a WHCF-88.5, Bangor ME transmitter in Manchester, NH, on 89.5. WHCF has verified it for me without mentioning its calls or power. Anybody know? That is my first translator heard or verified, and is my FM verification of my DXing.

Not very much DXing activity was done this summer because of non-stop OT at the shop here. So much so, I couldn't even rest on Labor Day. Well, here's hoping things don't get so busy here this winter that I can't get at least a few productive sessions in. I will be in touch.

Harry J. Hayes - 9 Henry St. - Wilkes-Barre, PA 18702

I have not reported since last season due to virtual inactivity with AM DXing. Not very much DXing activity was done this summer because of non-stop OT at the shop here. We are now "suffering" a slow period of some DX chasing this late September so I am managing to get a little start on the new season. New one heard so far (new Frequency) was WHCF-88.5, Bangor ME transmitter in Manchester, NH, on 89.5. WHCF has verified it for me without mentioning its calls or power. Anybody know? That is my first translator heard or verified, and my FM verie is 4901, a pretty good start for the next hundred.

While vacationing at Green Lake, Athens, NY in August, I heard three different translators of WPPF-94.9, I thought they didn't count. Let's hope for a great DX season. Forward March!

The DX Audio Service, now in its third year of operation, provides the ONLY monthly broadcast news cassette service to the DX community.

The DX Audio Service, available to anyone anywhere, is designed to inform the radio listener in a way that is pleasurable and informative. Many of the authors on this program are professional broadcasters giving their free time to give the listener the finest service available.

DXAS was started to provide broadcast information, both AM and FM to the blind DX listener. It has evolved into a service for all types of listeners with material useful to all types of listeners. Many of our subscribers listen to the tape to and from their place of work while driving down the road.

One-year subscription, subscriber keeps the cassette each month by renewal: $12

Sample copy, back issues of DXAS: $3

Cassettes are mailed by First Class mail, or on the 20th of the month. Information, subscriptions, renewals, samples copies: write to NRC DX Audio Service - P. O. Box 24 - Cambridge, WI 53523-0024. Back issues: NRC DX Audio Service - 706 Mackenzie Avenue - Lima, OH 45805-1835.
Greetings all: WCIN in Cincinnati has switched formats from Black- ohm Local Music. The station is moving to FM to broaden its market base. In addition, the WCIN has made a number of improvements to its audio a dB noise reduction system and NRSC standard in 1990. In SF, it has gone to a Voice of the 60's and 70's format with a slight amount of live music. Boston is going through quite a shake-up. The latest move will see the station going from a talk format to oldies-doo-wop. Also in Boston, the WQX is airing a weekday afternoon show that is a Cumbia radio station. Playing mostly music of the 60's and 70's along with public service announcements, in an attempt to save the frequency/license, while the station is sold. WRAS will be carrying the Lakers games this coming season. Spanish sportscasters Mario Oster and Pancho Hernandez will handle the microphone chores. CPRD in Toronto has dropped the format of the CFL in favor of NFL coverage from the United States.

Harry J. Hayes - 9 Henry Street - Wilkes-Barre, PA 18702

I listened to the demise of WRNC here on Friday afternoon on 10/7/88. The last broadcast was Saturday night. The station had a very colorful history. Present during the last few broadcast hours were numerous past and present NBC celebrities, both in the studio and on the air. The morning shift includes a lot of boxing. In my time, the air was somewhat obscured by a Cumbia station. Playing mostly music of the 60's and 70's along with public service announcements, in an attempt to save the frequency/license, while the station is sold. WRAS will be carrying the Lakers games this coming season. Spanish sportscasters Mario Oster and Pancho Hernandez will handle the microphone chores. CPRD in Toronto has dropped the format of the CFL in favor of NFL coverage from the United States.

FROM THE CORNFIELDS OF SOUTHWEST IOWA

Rick Dau - 9RR Box 64 - Oakland, IA 51560

Hello once again from "The Farm." Summer, of course, ended September 22, at which time I checked my Oakland logging and found that 54% of the station's listeners were in the Shack during those 24 hours. On September 24, 1988! Just to go back and find the DX season is 365 days long, not just fall and winter! Totals as of 9/27/88 stand at 455 heard (322 from this QTH); 21 verified and 127 unverified. I've noticed an interesting pattern in brief QSL collection: the success of response seems to be dependent on which STATIONS I send reports to. I'm 3 for 3 from both Kansas and Missouri and only 4 for 1 from Minnesota and 1 for 5 from Nebraska, a state where my first four reports were unverified. Thank you, KLZM-1400 was kind enough to give me #1 from the Cornhusker State.

An DXpedition to kHawata, KS back in mid-May at least productively, if not rewardingly in terms of new stations. Spending back on the unconformable wooden seats of the high school football field, my Reader's Digest 10-band gave me my first listen of KXKK-790 and KXKK-790, which was a look at what finally made it up here last week. Besides those two, I really didn't anything that I hadn't already gotten here. By the way, kHawata (pop 3702) is a great town to visit and one of GREAT hot fudged season it knows there.

With the major league baseball season wound down here are the unids that I have received: Royals on 900, 1330, 1400, 1450 and 1490; Cardinals on 1070, 1340, 1440, 1460 and 1490; Twins on 1340, 1440 and 1490; Brewers on 1450, Tigers on 1460 and Reds also on 1460. A letter to the above address or to (712) 483-2230 if you can help out would be welcome and appreciated.

Briefly, on the FM side, susmertime F-Skip was virtually absent, although there were a number of good trop openings that enabled me to share new catches from Minneapolis and Topeka, among others. Until new time, 73s, 5000 DXing, and DON'T let Mr. Gloomy Gus get you down!

Andrée Bollini - Fritz Welberg St 18 - 3180 Wolfburg 11 - West Germany 05263/534

Hello, the best greetings from the northern part of West Germany. Something about me: I am 32 years old, married and I live in the beautiful city of Munich. Since February 1971, I have been working as a software engineer. I have been interested in DXing since 1971. Interest SW DX and on AM specialized to NA and United Kingdom/Eire DX. (NRCC member since end of '86)

The W30R station at home, all Irish phone lines and I will have the air time 20.12.1998. After that date the stations and DX will have to pay a punishment of up to 20.000 or jail.

If you have any DX reports, I will try get my sticker collection from BA complete. I seek stickers and cards from all countries and DX. WRES, WZOF, W4SF, W4TH, W4QG, W4N, WA1, WBUH. If you have any phone cards, I will be glad to pay. Postage will be compensated.

OK that's all, maybe somebody can help me, thanks a lot, good DX season.

P.S. The DLF-756 transmitter is only 8km away. You like a Tower Tip?

William Townshend - 4500 Conn. Ave NW #901 - Washington DC 20008

I enjoyed the Beertown convention over the Labor Day weekend very much. I am writing again with Tim Noonan (met him at ANARC '7) his lovely XYL and Jim Albrech whom I met for the first time in Tolboys on my first South Seas trip 1971. (Like me Albrech is a diehard oldies freak. I plan to make St. Petersburg for ANABCON '89. I may not be escaping cold but I'll escape high AQI (ozone from motor exhausts), which produces smog (rough on the very old and very young.

In St. Pete, on a day when the sun doesn't shine at all (even during the local weatherman spends a couple of hours in the sun). In St Pete I sought to get some terrific TROPY (600 800 miles) and VHF/UHF as well as some nifty midday DX on AM from stations in the TX/CA area. The city holds the U.S. Record for the most consecutive days of sunshine, 160 according to Guinness.

South beach is on a roll again with six newies so far this fall. Bob does more envy make a difference on 1600. At home WINX (and WVLK) dominates the channel. But in midstown a block west of the White House, W4KSF doesn't even exist! It's called W4KSF.

(This was on a Thursday night) I usually stay downtown, although I work in the city while everything to the west has been just about dead. That's all for this time.

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Michael Hollis to buy the 640 slot and move
week announced that WGST-920, the news-talk station, is negotiating with
Karl V. Jeter
continuing saga of 640 kHz here in Atlanta.
there. The price reported was $4.3 million, which is less than WQXI'S
town. At the store, the fellow there told me usually no one was at the
as well as some follow-ups.
them, because as I was driving away, stilled tuned to WZEL, there was a
does not mention the fate of the 920 spot at this time.

On
the new log reception report off at WZEL-770. Listening to the station while looking
reception area. I should mention that reception reports for CHUC should be sent

Bask in August, I was taking a day-trip in the North Georgia
mountains, and I drove through Young Harris, and decided to drop a
reception report off at WZEL-770. Listening to the station while looking
street and of a residential area. I knew it was satellites-fed, but when I got to the studios, there was no
one there. A note on the door said leave messages at a general store in town.
The fellow there told me on 10/10, he had been tuning the station until about 6 pm. Times sure have changed...but the joke was on them, because as I was driving away, still tuned to WZEL, there was a
tunnel problem with the feed, and there was about 20 minutes of dead
air! So much for modern technology, HT.

A beverage advertisement is scheduled for Sat. 10/15 to my aunt's
uncle's farm in eastern WQXI-FM 94.1. The only other simulcast in the area is
IDed for WZEL-770. I felt it would be fitting for Mr. Beverage's birthday. Of course, this will all
hang on whether Chuck will stay down out of the ceiling.(see him, I can't explain that one...)
7:31 until next time, when I hope to have lots of juicy beverage DX to report!
Eric S. Bunevans - 5002 Cross Ridge Ct. - Woodstock, GA 30188

William Dulmage Jr - RR 1 - Coburn, ONT K0K 1S0
I have finally made it to FM! My true love of radio is AM,
but after 8 years in the business, I finally get to work at an FM
station. I left CHUC-AM Cobour, ONT as mid-day host, Music
director and Night personality on August 12. August 13,
Canada's only 24 day a commercial classical music station, CPXM in
Cobourg (formerly CHUC's sister station).

As you have guessed, I have moved into the Atlanta area, and
who were not planted, I have almost unlimited opportunities to experiment
with longwires. My house is 500 feet from the nearest road and there is
no direction in which I cannot put up a rather long antenna. I won't be
be running longwires in various directions from time to time, hoping for truly exotic catches from here.

I wish that KORL-650 was still on (and I strongly lament the death of
this once great #1 station in Hawaii) because the 1200' wire nearly
NRCer. The transmitter and equipment with a Springfield FM radio
radio license is being bought. He expects to be on the air with his new AM-FM station by Febru-

Manchester Brewer

Buys City Radio Station

LACONIA - Radio station WEMJ has been sold to a new owner for $1,100,000.
The station, which has been operated by General Manager Jim Greenfield, will be
under new management.

Cooper

The station serves the area of Robert J. Tole, an announcer for WEMJ.

Cooper is in his fourth year as president and general manager of WZD-FM and WJEA in Man-
chester. He has also worked for WZD-FM and WJEA in Manchester. Tole has also worked

for the new station.

McCase said, "The decision to sell WEMJ was a very difficult one to make.
We had intended to spend many years in Laconia."
DKVW-880 is now on the air in Las Vegas. They are operating with a 50 kw Day non directional and 25 kw at the height of a tower array. The main lobe going west (to protect WHAS), which you can still hear in the area. This KXK has something to do with the station a few years ago using some calls.

The KXK-640 is a totally new station. According to the person I talked to, they have 5 towers, but using 4 to get the nighttime pattern they need. The station is heard in this area, but not that loud and KXK-939 in Las Vegas is much louder. They have 50 kw in the directional pattern is spread across 1 mile.

KOFY-1050 is now operating from a new site with a 5 tower array and 50 kw during the day. They are in San Francisco. They also mentioned they were broadcasting from International Waters aboard the ship "Sarah". They also mentioned the ship's registry as what sounded like the "Principality of Ceylon", time I have heard first-hand a "pirate" station. It was, though, nor as the ship's registry as what sounded like the "Principality of Ceylon", time I have heard first-hand a "pirate" station. It was, though, nor as

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