

Volume 65, No. 6 - November 10, 1997 (ISSN 0737-1659)



### Inside...

- 2 .. AM Switch
- 3 .. DDXD
- 13 .. IDXD
- 19 .. Radio Roundup

20 .. Geomagnetic Indices

- 21 .. IDXA
- 22 .. Historical Moments: WOR
- 23 .. Musings of the Members

#### CPC Test Calendar KGEZ ..... MT ..... 600 ....... Dec. 1 .... 0200-0300

KGEZ-600 - P. O. Box 169 - Kalispell, MT 59903 << http://www.cyberport.net/kgez/, or e-mail E-Mail: mulligan@cyberport.net>> will conduct a DX test from 2:00 to 3:00 am EST on December 1. Thanks to IRCA's Lynn Hollerman <<gmholler@hiwaay.net>> for that info.

From the publisher ... There's some nice DX catches inside this issue. That's the good news. The bad is that the ol' cupboard is just about bare, so if you've been sitting on an article or column, now is the time to get it in. I do have some neat Historical Moments from John Bowker, and some older newspaper clippings, but that's about it!

DX GTG: Ray Arruda's 20th annual Thanksgiving GTG in "The Lower Deck" at 47 Burt Street, Acushnet, MA will be open to all on Saturday, November 22, starting at noon.

Area Code Changes ... From Chris Cuomo: CALI-FORNIA 209 / 559 Split occurs November 14, 1998 - The area south of the border of Mariposa and Madera counties, and to the south of Dos Palos will be assigned the new 559 area code. The 559 NPA will include Fresno and Visalia.

NORTH CAROLINA All three area codes in the state will be split. 704 / 828 Split date TBA - The Charlotte area will retain 704, while all other areas will switch to 828. The new 828 a.c. will include Asheville, Hickory, Shelby, Salisbury, Statesville, and the Smoky Mountains region.

910 / 336 Split occurs December 15, 1997 - The Greensboro, Winston-Salem, and Burlington areas, plus all areas to the north will switch to a.c. 336. Fayeteville, Lumberton, Southern Pines, Rockingham, and Sanford will retain 910.

919 / 252 Split date TBA - The Raleigh-Durham area will retain 919. All other areas to the east will switch to 252 including Greenville, Wilmington, Rocky Mount, Jacksonville, New Bern, and the Atlantic Coast.

PENNSYLVANIA 412 / 724 Split occurs February 1, 1998 - Most of Allegheny County will retain 412. The 724 NPA will completely surround the

412 NPA, and include Greensburg, New Kensington, Washington, and Butler. This plan replaces a previously considered overlay.

ALBERTA 403 / 780 Split occurs January 25, 1999 - The northern part of the province will switch to a.c. 780 - The 780 NPA will include Edmonton and Grande Prairie. The 403 a.c. will be retained in Red Deer, Stettler, and all cities to the south.

ALABAMA 205 / 256 split occurs March 28, 1998 - The Birmingham and Tuscaloosa areas will retain a.c. 205. The remainder of the northern half of the state including Huntsville, Gadsden, Decatur, Sycalauga, and Hamilton will switch to a.c. 256.

I might add that the 785 change apparently so far is in name only, as several have reported trying to dial 785 instead of 913 and not being able to get through. I tried to dial a N. Kansas number myself, using 785, and couldn't get past an operator message without using 913. So there may be no rush in actually using those numbers to dial in, although they are probably useful in narrowing down stations' locations if they give area codes in ads and

DXChange ... Bill Swiger - Rt. 1, Box 142A -Bridgeport, WV 26330, 304-842-4635 is looking for a GE Superadio II and wants to sell DL1 plus amp and Super MWDX5A phasing units; a Hewlett Packard VLF comparator and 4-foot HP loop antenna; a manual HP 8556A Spectrum Analyzer LF Section; and a Radio Shack Long Range TRF #12-

Welcome to these new members ... Herbert Newberry, Jr. - Newborn, GA; John F. Wilson (rejoins). We mailed out 755 DXN's last week.

#### DX Time Machine

From the pages of DX News:

50 years ago ... from the November 8, 1947 DXN: It was announced that a year's subscription for \$1.00 on Foerster's Loose-Leaf Logbook, published by Art Foerster, Indianapolis, IN, would bring the log plus 3 or 4 updates as needed.

25 years ago ... from the November 11, 1972 DXN: Carter Scholz, Providence, RI was offering a Lafavette HA-700 receiver for \$100.

10 years ago ... from the November 9, 1987 DXN: Randy Seaver's article on MW field strength prediction methods ran in this issue.

# AM Switch

Jerry Starr

4040 Simon Road

Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

#### CALL LETTER CHANGES

	Old_call			<u>New call</u>
920	KDES	CA	Palm Springs	KPSI
1040	WMTX	FL	Pinellas Park	WWBA
1230	<b>KZUS</b>	OR	Toledo	KPPT
1260	KPSO	TX	Falfurrias	KLDS
1370	KRAF	OK	Holdenville	KKNG
1510	WJIC	NJ	Salem	WNNN
1550	KRGO	UŤ	West Valley City	KMRI
1650	KBTL	CA	Costa Mesa	KGXL*

WMSO AM 640

Note: The call change on 1650 took us by surprise. The FCC never released the information that (a) this station had been granted, or (b) it had been assigned the call KBTL. Both pieces of information were rumored in the DX press last year but nothing official from the FCC was forthcoming until now. We still have not seen any notification that this station has received an official grant (or even an STA) but that would be necessary for it to be assigned a call. More as this unravels.

#### APPLICATIONS FOR NEW STATIONS

None

#### **GRANTS FOR NEW STATIONS**

1650 AR Fort Smith: 10000/1000 U1 (KWHN)

#### APPLICATIONS FROM EXISTING FACILITIES

900 CKVD PO Val d'Or: to 98.3 FM

1170 KOWO MN Waseca: add 60 watts nights, antenna to U1

1230 CITT ON New Liskeard: to 104.5 FM

1400 KTUC AZ Tucson: 530/530 U1

1430 WNFO SC Ridgeland: 213 D1, city of license to Sun City-Hilton Head, SC (corrects typo in FCC Public Notice that was shown here in Issue #5 as Sun City Hall, SC))

#### GRANTS TO EXISTING FACILITIES

1230 WKBO PA Harrisburg: 590/590 U1, relocate transmitter

1300 WTLS AL Tallassee: relocate transmitter site

1050 CICF BC Vernon: should have been 10000/4000, not 5000, in #5

#### **OTHERNESS**

860 KPAM OR Troutdale: new station is ON THE AIR

1220 KQEQ CA Fowler: CP for 370/370 U1 on 1210 kHz expired but the FCC has granted a replacement CP for the same facilities

1280 KKAL CA Arroyo Grande: listed in Issue 4 as being in AZ, should be CA

1330 KDRO ND Wishek: station is SILENT

1340 KIDS MO Springfield: station is SILENT (operator had purchased the license and leased the studio and transmitter from the former licensee but a disagreement over lease payments has resulted in the loss of the use of those facilities)

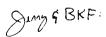
1370 KKNG OK Holdenville: silent station is ON THE AIR

1470 WPAO OH Farrell: stationis again operating fulltime (had been daytime only since returning to the air earlier this year)

1570 WPGM PA Danville: station is SILENT

1530 WVFC PA McConnellsburg: CP to add 250 CH is on

THANKS: Wayne Heinen, Bill Hale, Ed Krejny, Al Merriman, MSJ 73 and Good DX,Jerry Starr & Buffalo K. Foonman



## Are you expiring?

We hope not! To avoid expiration, mail your remittance to the *DX News* Membership Center <u>early</u>. Allow <u>at least three</u> <u>weeks</u> after mailing your check or money order for new renewal data to appear on your mailing label.

Domestic DX Digest

West: Bill Hale phantom2@esze.net

(Division line is between East and

6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

between East and {
Central time zones)

East: David Yocis DavidYocis@aol.com
97 Clinton Ave. - South Nyack, NY 10960-4603

DX Catches in the U.S. and Canada, with 24-br. ELT

# **DDXD-West**MEDIUM WAVE RAMBLINGS

- □ Included this week are some vacation loggings from "easterner" Leslie Wood who resides on Long Island, New York. Believe it or not, the letter (although mailed to my OLD address in San Marcos) is dated 15 July, postmarked 16 July and delivered 24 October!! Sorry for the delay, Leslie, but this one can be chalked up to the good old postal diservice. But 1 did edit out some "non-DX". Speaking of vacations, we also have picture postcard (in the form of a DX report) from Rick Dau.
- ☐ I received several E-Mails from Colorado regarding the fact that many stations were off due to the tremendous snow storm of October 24 and 25. Hopefully, some good DX was garnered.
- ☐ A nice turnout this week!! Let's keep those dials a-turnin' and capture some of those wild signals.

#### REPORTERS

RD-IA
RD-II
RD-KY
RD-KY
RD-MO1
RD-MO1
RD-MO2
RD-MO2
RD-MS
RD-MS
Rick Dau
RD-MS
RD-MS
Rick Dau
RD-MS
RD-MS
RD-MS
Rick Dau
RD-MS
RD

GJ-CA Gary Jackson Sacramento
LW-CO Leslie Wood North Merrick, NY visiting Englewood Panasonic TRF

TRH-CA Tim Hall Chula Vista ICF-2010, KIWA Loop <a href="https://www.nchalls@inetworld.net">https://www.nchalls@inetworld.net</a>>

JW-CO John Wilkins Wheat Ridge Drake R8 + 4-ft box loop

JR-OK John Reed Ponca City Sylvania R1414/URR with R1490/GRR17 Q5er + Noise reduced wire, Palomar loop <itreed@poncacity.net>

GB-FL Gerry Bishop Niceville Dollar Rent-a-Car Dodge Stratus <gerryb4991@aol.com>

BC-KS Bill Collins Prairie Village <br/>
<br/>
billcollins@prodigy.net>

FA-ID Frank Aden, N7SOK Boise FRG-7 with 4 ft box loop, HQ-180A with MW-1 <a href="https://www.l23a@prodigy.com">wvll23a@prodigy.com</a>

Ed,-TX Editor North Richland Hills

#### SPECIAL

- 810 WHB MO Kansas City 10/16 2159 Legal ID, in QRM, ... we're the Farm, 810 WHB Kansas City, then news (NBC, 1 think). Poor in QRM (KGO and others). Ex: KCMO. ([W-CO)
- 960 KPXQ AZ Phoenix 10/18 2100 Legal ID: When you need the best features and talk 24 hours a day, 7 days a week, this is Q-96 KPXQ Phoenix and into ??? Swamped by KKFN-950 splatter. Ex: KOOL. (JW-OK)
- 1060 KDUS AZ Tempe 10/17 2305 Arizona Fall League baseball game, Mesa vs Grand Canyon. Ads and legal ID every \_ inning (The Valley's Sports Authority, AM 1060 KDUS Tempe-Phoenix). Good signal. Ex: KUKQ. ([W-CO]
- 1480 KLMS NE Lincoln 10/15 0956 With Denver Broncos promo, other program notes and call ID. Back to these original calls, ex:KMEM/KFMQ. Fair, in KRAE null. (JW-CO)

Need more information about AM DX'ing?

Mail a First-Class stamp to NRC Publications - P. O. Box 164 -Mannsville, NY 13661-0164 and ask for the NRC Product Catalog.

TIS

1610 TIS

#### UNIDs and UNID HELP

800 UNID ?? - 10/24 0600 - This is 93.7 came up. Nothing else heard to figure out who this is. (FA-ID)

830 UNID ?? - 10/25 0500 - Q Radio by male announcer. Came up in mess. Nothing else heard. Any ideas? (FA-ID)

#### DX AND EQUIPMENT TESTS

1540 KTGG+ MI Spring Arbor - 10/4 0008 - Faint under KXEL with code IDs and march music. Makes up for the no-show test of a few years ago. (RD-IA)

#### TIS & OTHER STUFF

530 TIS NM Albuquerque - Just back from Albuquerque, and the same test messages are still running on 530 and 1610. I would presume this is non-stop since January or February, whenever I first reported them. Heard all week long (10/21-10/25) at any hour of day checked. (BG-FL)

?? -10/20 1050 - Woman saying ... if you would like to make a call, please hang up and try again or call your operator. . then telephone noise. Suspect Martinez, California as they appeared afterwards. (GJ-CA)

540 WPDI CO Denver - 7/2 1115 - With Aviation Department, Denver International, Parking Hotline 342-4048. (LW-CO)

1570 TIS CA Chula Vista - 10/19 1230 - Chula Vista Community Church carrier current station noted on car receiver with sermon from Sunday morning drive-in service. This church used to use the Harbor Drive-In in National City for their drive-in service (using 830 kHz transmitter still in use at that drive-in),

but have since moved the service to their own parking lot and set up operations on 1570 kHz. (Church is located on East J St. close to the I-805 overpass). New, for CA #261 and my closest unheard. (TRH-CA)

? - 10/17 1059 - While listening to TIS at Bryce Canyon National Park, another signal came in with woman talking about the effects of El Nino and how to prepare for it, then faded out. No ID?? Must be along California, Oregon or Washington coast. (GJ-CA)

1620 UNID ?? - 10/29 0100+ - Very strong rock station, continuously running songs, no IDs or any announcements. Very deep fades at times, sounds like the Greenacres pirate but this is coming from the east. (FA-ID)

1690.798 STLMO MOSt. Louis - 10/16 0730 - One minute CW with ID, 1 min BPSK (sounds like a carrier). (JR-OK)

#### MIDNIGHT TO 0800 HOURS ELT

550 KCRS TX Midland - 10/17 0758 - Call ID, weather, news. New Here. (JR-OK)

KTSA TX San Antonio - 10/17 0756 - Call ID, ad for cars, news, then Rush Limbaugh. New here. (JR-OK)

570 WAAX AL Gadsden - 10/24 0715 - UPI and Alabama local news, call ID. New here. (JR-OK)

570 WVMI MS Biloxi - 10/21 0735 - Call ID, sports news. Audio was distorted. (IR-OK)

580 KLBG LA Alexandria - 10/21 0754 - Call ID and Pure gospel all the time with gospel music. (JR-OK)

650 WSM TN Nashville - 7/6 0315 - With national weather on Interstate Radio 65. Fair. (LW-CO)

670 WMAO IL Chicago - 7/6 0346 - With All-News. Fair. (LW-CO)

680 WPTF NC Raleigh - 10/23 0620 - With ID, under KFEQ. (BC-KS)

710 KCMO MO Kansas City - 10/24 0746 - Call ID, traffic reports. This frequency used to be WHB in KC, but these stations have switched. (JR-OK)

770 WEW MO St. Louis - 10/22 0739 - NOS music, news call ID. New here. (JR-OK)

780 WBBM IL Chicago - 7/2 0414 - Fair, with All News, mention of Taste of Chicago and a convention. (LW-CO)

800 CKLW ON Windsor - 10/22 0752 - Canadian & Windsor news, weather. Some QRM from SS station. New here. (JR-OK)

970 WDAY ND Fargo - 10/23 0723 - Weather, news, call ID. Good signal & new here. (JR-OK)

990 CBW MB Winnipeg -10/23 0735 - Canadian news, weather and call ID. Huge signal, sounded like a local. (JR-OK)

1030 KTWO WY Casper - 7/2 0408 - With K-two slogan, weather for local area, then C&W music. (LW-CO)

1070 KATQ MT Plentywood - 10/23 0710 - With ad for Bank of Montana, mixing with KNX.
(BC-KS)

1090 WBAL MD Baltimore - 10/22 0615 - With traffic report. (BC-KS)

1500 KOMH OK Pawhuska - 10/16 0759 - Fair, with Oldies 1500, KOMH, Pawhuska-Bartlesville heard during satellite feed. Ex-KRIG. (RD-IA)

1570 WTRB TN Ripley - 10/13 0443 - Fair, with ID including mention of Country 24 hoursa-day, 1570 WTRB. (RD-IA)

#### 0800 TO 1600 HOURS ELT

600 WMT IA Cedar Rapids - 10/17 1559 - Fair, with 600 WMT, Cedar Rapids, Iowa ID, just before CBS News. Signal barely over WREC. (RD-IL)

800 KREI MO Farmington - 10/18 1430 - Good, with Missouri Tigers football // KRHW-1520. (RD-IL)

860 KTRB Ca Modesto - 10/17 0903 -SS programming with phone requests at 524-5872, PDT time checks, ads, and many La Picosita (not sure of spelling) slogans. Seems to be a new slogan. Program name was La Regadera (The Shower). (IW-CO)

KARS NM Belen - 10/16 0925 - With Paul Harvey News, ad for BBQ place in Las Lunas, New Mexico Gold slogans, local news at 0930. Legal ID at 0959: You're listening to the only daily source of local news . . . this is KARS-AM Belen. Fair, with some KOA-850 slop. (JW-CO)

910 KLCN AR Blytheville - 10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
930 CJCA AB Blytheville - 10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN ID heard. (RD-IL)
10/18 1421 - Weak, with local ads and KLCN

960 KLTF MN Little Falls - 10/25 0811 - News, weather, sports. New here. (JR-OK)

1200 WBCE KY Wickliffe - 10/19 1501 - Excellent, with mix of country gospel and contemporary Christian music. Amateurish-sounding female DJ promised to read the weather forecast right after this song, then went right into another song after that one finished! She apologized to her listening audience. Gotta love small-town radio! (RD-KY)

1220 KGIR MO Cape Girardeau - 10/19 1545 - Fair, with St. Louis Rams football vs. Seattle // KTRS-550. (RD-MO1)

1280 WGBF IN Evansville - 10/18 1412 - Fair, with ad mentioning Evansville during Indiana football broadcast. (RD-IL)

1490 WKRO

IL Cairo - 10/19 1455 - Excellent, with talk program with woman discussing safety of children on America's schoolyard playgrounds. The audio from this guy is STILL incredibly muddy, thereby explaining why Midwestern DXers who work the graveyard channels have so much difficulty hearing this one.

(RD-KY)

1590 WPCO IN Mount Vernon - 10/18 1405 - Weak, with <u>Indiana</u> football vs. <u>Ohio State</u>. (RD-IL)

#### 1600 TO 2400 HOURS ELT

580 WIBW KS Topeka - 7/3 2305 -With slogan All-Sports Radio. (LW-CO)

830 KUYO WY Evansville - 10/24 2028 - Religious talk, call ID, weather. Ad for Sunrise Shopping Center. New here. In loop null of WCCO-MN. (JR-OK)

900 CKBI SK Prince Albert - 10/16 2300 - With Broadcast News, ads, CKBI 5-Day Forecast, then Lou Harrison with program featuring Roy Orbison music. Good signal over XEW. (IW-CO)

930 WKY OK Oklahoma City - 10/18 2055 - Play-by-play of Oklahoma City Blazers vs Fort Worth Flyers hockey. Dominant E-W signal. (JW-CO)

1020 KJJK MN Fergus Falls - 10/6 2120 - Good, with <u>Dusty Springfield</u>'s I Only Wanna Be With You off the bird, then AM 1020, KJ Oldies ID. (RD-IA)

1060 KIJN TX Farwell - 10/17 2038 - REL program to 2046 sign-off announcement by Gene

McKinney. Announced 10 kW and would be back at sunrise. Good signal, with fading. (JW-CO)

CKMX AB Calgary - 10/21 2217 - With program notes, Calgary's only Adult Standards radio station - great songs, great memories, AM 1060 CKMX and into NOS music. Heard later at 2300 with legal ID and into Chinese programming. Fair, in KDUS null. (IW-CO)

1100 KCCF AZ Cave Creek - 10/14 2043 - MoR vocals, metro Phoenix traffic, frequent IDs.

- Legal ID at 2100:40 right after power cut: From the Valley of the Sun, AM 1100 KCCF Cave Creek, Arizona. First new station of the season. Arizona #60. (TW-CO)
- 1110 WKRA MS Holly Springs 10/19 1801 Good, with ID during what sounded like black gospel music. (RD-MS)
- 1140 KSVN NV North Las Vegas 10/16 2045 With Sports Fan Network program, legal ID at 2059:55 as The Fan, AM 1140 KSFN North Las Vegas. A service of America Radio Systems. Power cut a minute later and KHTK took over. Ex: KXNO. (IW-CO)
- 1210 KQTL AZ Šahuarita 10/13 2111 Program note for Caminos de Ayer. Radio Mundo slogans. Fair, in ORM. (IW-CO)
- 1220 WLSD VA Big Stone Gap 10/12 2045 Fair, with sign-off. First time ever noted at sign-OFF rather than sign-on, which is when it normally gets out very well. (RD-IA)
- 1230 WMLR TN Hohenwald 10/15 2359 Atop briefly, with "WMLR, Hohenwald, Tennessee" ID, then news. (RD-IA)
- 1260 WDKN TN Dickson 10/13 2000 Fair, with end of The Jeff Fisher Show (Oilers coach) hosted by Joe McConnell, then sign-off with station address included. (RD-IA)
- 1270 WQKR TN Portland 10/12 2050 Good, with ad for hardware store in Portland, Tennessee mentioned in ad. Good conditions into Tennessee and Virginia tonight, as WCRK-1150 was also in. (RD-IA)
- 1300 CJME SK Regina 10/16 2326 Local ads, More Feel-Good Oldies, only on Regina's best oldies, CJME, then into a Jerry Lee Lewis tune. Fair, no sign of KVOR. (IW-CO)
- 1320 KSIV MO Clayton 10/19 2335 Good, with REL discussion. Tuned to 1460, but KIRL wasn't on. Heard while driving by Noah's Ark Motor Inn, site of the 1979 NRC Convention. (RD-MO2)
- 1410 KRIL TX Odessa 10/17 2005 Poor, with legal ID in QRM: Praise 1410, KRIL Odessa-Midland. Haven't heard for a while. (JW-CO)
- 1420 WRCG GA Columbus 10/19 1959 Fair with WRCG, Columbus, Georgia heard just before news. (RD-AR)
- 1580 KFDF AR Van Buren 10/19 2159 With legal ID at 2159:50: The best sports talk, 24 hours a day KFDF 1580 AM Van Buren-Fort Smith, and KPBI 1510 AM, Greenwood. AP news followed. Fair, in XEDM null, and amazingly good if they were using their listed 45 watts. (JW-CO)

### GRAVEYARD DX UPDATE

Totals: 1230 1240 1340 1400 1450 1490 Total Tim Hail Chula Vista, CA 19 14 19 19 16 13 100

### **DDXD-East**

Deadlines for DDXD-East are weekly on Tuesdays.

Lots of new folks to welcome this week: Marty Waters is a new member sending loggings for the first time. Michael Hawk re-joins the DDXD family of reporters; Mike had been a reporter to DDXD-West a few years back when he lived in Nebraska and we're glad to have him here in the East! Mike is looking forward to receiving the new Log ... have you ordered yours yet? We're also glad to have a visit from California's Tim Hall, whose loggings from a recent trip East were forwarded from Bill Hale. Paul Choroszy is another new reporter, helping Steve Francis confirm his 48th state! Welcome, everybody!

#### STATION NEWS

- 540 WLUX NY Islip Re: SK-PA's request in 65/3 for this station's address, SRDS Radio Advertising Source lists 425 Smith St., Farmingdale NY 11735. (DP-HI) [That's what the newest Log says as well. DY]
- 620 WJWR NJ Newark 10/15 2000 Now using these calls, ex-WXLX, One on One Sports format 24 hours, no network news at any time. (JH-NJ)s
- 790 WSGW MI Sagniaw 10/20 Adds Michael Reagan Show per program today. (DP-HI)
- 860 WGUL FL Dunedin In addition to its own FM, now simulcasts 104.3 FM and WINV-1560, which is apparently back on the air now. NOS, probably satellite-fed. (TRH\*FL)
- 990 WDCZ NY Rochester 10/24 1809 Good with promo for Christian Karaoke Night on

- "The Praise Company, 990 WDCZ Rochester." Another one that seems to change calls about once a year. (MB-ON)
- WNOX TN Knoxville 10/31 2301 Ex-WIVK with end of Tennessee high school football playoff post-game show, list of sponsors, ID. Fair at best under WDCZ, WZZD. (DY-NY)
- 1060 KHYM? TX Gilmer 10/14 0720 Back on the air, apparently // KVNE-FM 89.5 ID "KVNE Gilmer-Tyler-Longview," ad for Hawkins Electronics at 903-509-1500. (TRH\*GA)
- 1450 WCLM? VA Highland Springs 10/16 0700 Appears to be back on the air with Solid Gold Soul format. Local quality signal in Richmond, but no ID noted. (TRH\*VA)
- 1560 WINV FL Inverness Apparently back on the air // WGUL-860. (TRH\*FL)

#### UNID and UNID HELP

- 720 UNID — 10/26 2118 "Good Time Oldies ... ZN" (or TN?). Either WRZN or CHTN? (MH-VA) [CHTN, definitely. DY]
- 1050 UNID - 10/14 0804 Fair and fading with AccuWeather, "weather watch 1050," slogan "Praise 10-50." (TRH\*GA)
- 1090 UNID - 10/26 0400-0612 Often heard with C&W satellite feed and slogans "The best country on the planet." Never ID's. (MH-VA)
- UNID — 10/26 1735 Jacksonville vs. Pittsburgh NFL game over WBBR. (WM-MD) [WDFN, probably, with CBS feed. DY]
- 1150 UNID - 10/14 0745 Oldies, calls sounded like KTRK but seemed to give EDT time check. (TRH\*GA) [CKOC? DY]
  - UNID - 10/22 1845 REL programming, sign-off without ID. (WM-MD)
    [WNLR? DY]
  - UNID - 10/25 2330 "Oldies 1150," mention of Hatticut? (MH-VA) [Probably CKOC, Hamilton. DY]
- 1160 UNID ---- 10/13 1844 ID "WDXE AM 11-60, playin' all your gospel favorites."

  Sure rings a bell, but can't find this call change listed anywhere. (TRH\*GA)

  [WJFJ? DY]
- 1220 UNID - 10/14 0512 Fair with C&W, calls sounded like WTMD. Probably WKMT-NC. (TRH\*GA)
- 1230 WFVA? VA Fredericksburg 9/28 2108-2130 OLD, ID's as "All your favorite songs on WJMA." WJMA-1340 is in Orange VA, near Fredericksburg, so maybe these are now //? Reports out to see. (DT-JAM)
- **1240 UNID** Re: DY-NY's log in 64/30, possibilities for the ESPN station include WSDR-IL, WBBW-OH, WRTA-PA, and WIOV-PA per ESPN's Web site. (DP-HI)
- 1250 UNID — 10/15 0650 Ad for Ledford(?) Pest Control in Charleston (or Carrollton?) at 766-5280. First ID sounded like WHBC, then into what sounded like "WBNE traffic." (TRH\*VA) [WTMA? DY]
- 1270 UNID ---- 10/26 0459 ID as "Oldies 107." (MH-VA)
- **1280 UNID** - 10/12 2141 Blues format, slogan "The home of the blues." Calls sounded like WLBC or WLBT. (TRH\*FL)
- 1340 UNID ---- 10/15 2258 Good with C&W, ID sounded like "AM 13-40 WTMK Roseville," may have mentioned something about having been on the air over 50 years. Suspect WENT. (TRH\*CT) [Probably. DY]
  - UNID - 10/16 0059 PSA for Clinton Community College Foundation, slogan "North Country." (TRH\*CT) [WIRY is in Clinton County, I believe. DY]
- 1400 UNID --- 10/14 0421 "We're the station playing ... W-99." (TRH\*GA)
- 1440 WJAB ME Westbrook This is SF-TN's unID in 65/2, all sports, lD's as "Portland's sports authority" and "The Big Jab" quite often. Heavy NFL coverage, live New England Patriots game. (PC-ME)
- 1450 UNID ----- 10/13 0515 Slogans "News Radio 9-70 WFLA." (TRH\*FL)
  - UNID -- 10/15 0612 Ad for East Tennessee Hospital. (TRH\*VA)
- 1510 UNID - 10/19 0619 FF religion, CJRS? (MH-VA) [CJRS has been off the air a couple of years now; WNRB does some SS religion. DY]
- 1550 UNID -- 10/14 0633 Georgia news read by woman, calls sounded like WBNM. (TRH\*GA) [WWWN, also known as 3WN? DY]
- 1570 UNID KY? ---- 10/25 2005 USA news, mention of // 1370 and Kentucky. (MH-VA)

#### LOGGINGS: 0000-0800

- 550 KFYR ND Bismarck 10/25 0700 ID at top of hour after 70's top-40 song by the Emotions; local news with woman announcer, spot for a cattle feed then announcer Phil Parker played a Steely Dan song. Fair with WKRC, WGR. (NIW\*MI)
- 560 CJKL ON Kirkland Lake 10/23 0000 Weather, ID, C&W music. (WM-MD)
- 580 WKTY WI La Crosse 10/25 0726 Under local CKWW with Green Bay Packers promo. (NJW\*MI)
- 590 KHBS AR Hot Springs 10/21 0614 Fair with ad for local heating contractor, mention of Hot Springs, ID. (MB-IN)
- 770 WEW MO St. Louis 10/26 0703 SSB at 0700 sign-on, "Good morning, this is WEW," followed by local news. Fair in a jumble of stations. (RCP-IN)
- 810 WPIN VA Dublin 10/25 0741 In WGY null with gospel music, contest promo saying "Your winning connection, WPIR-FM," also ID mentioning "greater Roanoke." (NJW\*MI)
  - WDMP WI Dodgeville 10/25 0729 "Hit Kicking Country WDMP," with C&W, in WGY null with WPIN. (NJW\*MI)
- 830 WCCO MN Minneapolis 10/7 0104-0108 Female announcer reporting temperatures in various Minnesota cities, calls, into local talk show. Usually not heard here since WCRN came on the air. (MW-CT)
- 870 WQRX AL Valley Head 10/26 0723 Playing gospel music early on a Sunday morning, 3-day weather forecast, ID "This is the Big 8-70, WQRX." Very good over WWL, unID SS. (RCP-IN)
- 890 KVOZ TX Laredo 10/14 0736 Good with EE/SS ID's and address. (TRH\*GA)
- 930 WSLI MS Jackson 10/14 0659 Good, "Your first choice for sports, 9-30 WSLI, Jackson, the sports ticket." (TRH\*GA)
- 990 WEIS AL Centre 10/14 0738 Fair-good with ad for Josie's Pizza in the Uptown Center, ad for Midway Varieties on Highway 9 between Centre and Cedar Bluff, school menus for Cherokee County, C&W. (TRH\*GA)
- 1030 WWGB MD Indian Head 10/15 0742 Back on the air with "Praise and Worship" program and ID's. (TRH\*VA)
- 1040 WYSL NY Avon 10/21 0758 Fair over fading WHO with local sports, "The news continues on News-Radio 1040 WYSL." (MB-ON)
- 1060 WCOK NC Sparta 10/15 0715 Sign-on with SSB, ID mentioning owned by Sparta Independent Radio Corporation, studios on Highway 21. (TRH\*VA)
- 1080 WUFO NY Amherst 10/26 0600 Mention of Buffalo, coverage in "southern Ontario and western New York," but no calls heard. (MH-VA)
  - WKGX NC Lenoir 10/26 0600 ID "The foothills' ... station, WKGX." (MH-VA)
- 1090 WBAF GA Barnesville 10/14 0721 Fair-good with ad for Alamo Building Supply in Barnesville, slogan "All your country favorites on Lamar County's own Country 109." (TRH\*GA)
- 1110 KTLD LA Pineville 10/14 0723- ID "KTLD news-talk radio, Alexandria," into Daybreak USA program. (TRH\*GA)
- 1140 WAKK MS McComb 10/14 0725 Fair with ad for Crystal Restaurant at 1-55 and Delaware Avenue in McComb, then ID. (TRH\*GA)
- 1150 WDEL DE Wilmington 10/7 0058-0101 "Your traffic, weather, and news station, WDEL Wilmington," into CNN news. (MW-CT)
- 1160 WJFJ NC Tryon 10/14 0746 Very good with ad for a lawn care company at 704-894-2957, then jingle. 1160 is a nice "graveyard" channel in the South! (TRH\*GA)
  - WODY VA Fieldale 10/14 0445 Good with gospel music, "WODY, your Christian information station." (TRH\*GA)
- 1170 WMLB GA Cumming 10/14 0747 Fair-good with ad for Forsyth Appliance, weather by man, slogan "Mountains Lake Radio AM 11-70, the best country in the country." (TRH\*GA)
- 1180 WINT MS Pearl 10/23 0030 Promo for radio show, ID. (WM-MD)
- 1240 WSKI VT Montpelier 10/16 0105 "12-40 WSKI, bringing your old favorites and your new favorites ... serving your community for 50 years, 1947-1997." (TRH\*CA)
- 1260 WNRK DE Newark 10/29 0722 Fair-poor with ad for Spencer Funeral Home, promo for the Birthday Club on "Oldies Radio WNRK," WNRK jingle into "Georgie Girl" by the Seekers. (MB-ON)
  - WNDE IN Indianapolis 10/31 0749 Good with promo for Indiana University football vs. Illinois, "I.U. football, it's a whole new ball game on 1260 WNDE." (MB-ON)
  - WBUD NJ Trenton 10/29 0741 Fair with local news, "WBUD news time is 7:41" into

- paid political message to vote yes on Public Questions 2 and 3 to protect New Jersey's drinking water. (MB-ON)
- 1270 WCGC NC Belmont 10/26 0533 ID jingle, tentative as tough to discern in the jumble of stations. (MH-VA) [Could also be WCBC, sounds similiar. DY]
- 1280 CFMB PQ Montreal 10/31 0755 Fair-poor in CFYZ null, fighting WADO's SS, with commentary in Italian on the Ontario teachers' strike, several mentions of Ontario premier Mike Harris. "CFMB" jingle noted at 0759, ex-1410. (MB-ON)
- 1310 KNOX ND Grand Forks 10/20 0741 Surfaced briefly over CIWW's oldies with announcement "at 6:41 the information you need to know around the clock, we're AM 1310 KNOX," into local "KNOX Weather Watch" weather. (MB-ON)
  - WDOD TN Chattanooga 10/13 0544 Good with slogan "Unforgettable 13-10 WDOD" and NOS format. (TRH\*FL)
- 1350 WSMB LA New Orleans 10/13 0528 Good with ID, slogans "Talk radio 13-50" and "We're So Much Better" (acronym matching calls), news and weather by man. (TRH\*FL)
- 1360 WGEE WI Green Bay 10/26 0159 EDT ID by man "here on 1360, WGEE" clear in pile, confirmed on tape. (DY-NY)
- 1370 WTAB NC Tabor City 10/15 0616 Good, mixing with WSPD, with NC news, ads, "WTAB 13-70 sports, the voice of the Stallions ... your station for NC State football, AM 13-70," jingle "Country music and you and WTAB." (TRH\*VA)
- 1390 WKIC KY Hazard 10/9 0303-0340- C&W music, ID "Nobody plays more ... WKIC," very poor. (DT-JAM)
  - WMPO OH Middleport 10/8 0345-0355 C&W music, ID "WMPO your golden old...," very poor.
- 1400 KART ID Jerome 10/11 0254-0320 Network talk show, news, ad, and ID very clearly as "KART." QRM from WZAZ and others, poor. (DT-JAM)
  - WOND NJ Pleasantville 10/13 0500 Fair with ABC news, PSA from NJ Broadcasters Association, promo for "All About Real Estate" program on "Radio 14 WOND and 15-80 WONZ," NJ lottery info. (TRH\*FL)
  - WICK PA Scranton 10/15 0001 Wilkes-Barre weather, ID "1340 WYCK and 1400 WICK." (TRH\*VA)
- 1430 WTTT MA Amherst 10/16 0659 Sign-on, "WITT is licensed to Hampshire Broadcasting Company, Ltd. ... operates on an assigned carrier frequency of 1430 kHz with a power of 5,000 watts ... Route 9 in Amherst." UPI news. (TRH\*CT)
- 1450 WMAJ PA State College 10/26 0024 ID, weather, promo for morning program, list of sponsors, mention of State College. (DY-NY)
  - WQNT SC Charleston 10/13 0458 Promo "Your home of the Clemson Tigers, WQNT News-Talk 14-50 Charleston." Back on the air. (TRH\*FL)
- 1460 WGNA NY Albany 10/16 0606 Fair with C&W, ID as WGNA-FM. (TRH\*CT)
- 1480 WADR NY Remsen 10/16 0505 Weather for Utica, slogan "Your star station, Utica." (TRH\*CT)
- 1600 WKXF KY Eminence 10/15 0452 "AM 1600 bluegrass radio WKX," ad for Mormon church, weather, ID. (TRH\*VA)

#### LOGGINGS: 0800-1600

- 810 WJJQ WI Tomahawk 10/25 0818 "North Woods" weather forecast, spots for Tomahawk IGA/Foodliner, Sacred Heart/St. Mary's Hospital, Minocqua Vision Center, and King's Bakery, in WMJH null. (NJW\*MI)
- 880 WMEQ WI Menomonie 10/25 0850 Fighting WRFD with ID after Glen Campbell song. (NJW\*MI)

#### LOGGINGS: 1600-2400

- 580 CFRA ON Ottawa 10/18 1808-1810 "News-Talk Radio 580, You'll never miss a thing," into Dr. Joy Brown program. Over WTAG. (MW\*MA)
- 660 WVAL MN Sauk Rapids 10/25 2000-2008 Legal ID plus several "Rockin' 101" liners, playing rock music by Nirvana and Led Zeppelin. Fair in WFAN null. (NJW\*Ml)
- 720 CHTN PI Charlottetown 10/21 1956 OLD mixing with WGN's sports talk, WGN partially nulled. ID, "Good Time Oldies," weather at 2002. (DZ-NY)
- 740 WVCH PA Chester 10/26 1726 Religious sermon, invitation to visit church in 610 area code, promo, ID, fair-poor in CBL null. (DY-NY)
- 750 CKGB ON Timmins 10/21 2026 C&W in WSB null, followed by weather with Celsius

- temps, singing ID. Another ID 2030, ad. Also SS station here with World Series. (DZ-NY) [SS is probably Caracas. DY]
- 770 WCGW KY Nicholasville 10/23 1845 REL music under WABC, sign-off, ID. (WM-MD)
- 840 CHUR ON North Bay 10/19 1828 Tentative with several OLD back to back, Everly Brothers, "Wake Up, Little Suzie," etc. Very poor and way under WHAS. (RCP-IN)
- 870 WMTL KY Leitchfield 10/21 1915 C&W music over WWL, ID. (WM-MD)
- 880 KRVN NE Lexington 10/23 1858 Song by Mindy McCready followed by ad for Munday Chevrloet in Hills City, Kansas. Great signal with WCBS barely audible. (RCP-IN)
- 920 CJCJ NB Woodstock 10/24 2314 C&W music atop with ID "Fredericton's new country, 105.3 KHJ(?) <schew sound effect> CJ Radio, 920 Woodstock, 990 Plaster Rock, 1140 Perth-Andover," so now // 105.3. (DY-NY)
- 930 WZNN NH Rochester 10/20 1920 NOS music over, under WFMD, ID. (WM-MD)
- 940 WCPC MS Houston 10/25 1958 Presumed with tornado warnings broadcast for northeastern Mississippi. (DY-NY)
- 950 WGTA GA Summerville 10/24 2045-2050 High school football game, ID. (WM-MD)
- 990 WALE RI Providence 10/24 2040 Talk show, ID. (WM-MD)
- 1000 WXTN MS Lexington 10/20 1822 Black gospel music mixed with preaching to 1830 sign-off with SSB. Very good and way over WMVP. (RCP-IN)
- 1010 WIOI OH New Boston 10/25 2148-2203 Presumed with Marshall vs. Eastern Michigan football, local spots at 2203. Missed ID at station break, but Marshall University webpage lists WIOI on the Marshall radio network. Fair with CFRB. (NJW\*MI)
- 1020 WKZE CT Sharon 10/26 1915 Sign-off, "at this time, federal regulations mandate ..."
  (MH-VA)
- 1030 WWGB MD Indian Head 10/24 1753 Fair over nulled WBZ with gospel music, rundown of gospel concerts, "more great gospel music till the sun goes down on the Sound of Gospel, 1030 AM WWGB." (MB-ON)
  - + 10/26 1714 Gospel music, promo for morning show "on WWGB," fair under WBZ. (DY-NY)
  - WBGS WV Point Pleasant 10/16 2306-0017 "The Ministry Station," "This is the station with the power," and call ID. Daytimer blasting over WBZ throughout the evening. (MW-CT)
- 1050 WAMN WV Green Valley 10/24 1930 ID heard in mess. (WM-MD)
- 1070 WIWS WV Beckley 10/21 1835 OLD music in mess, ID. (WM-MD)
- 1090 WKCV TN Kingsport 10/24 1945 Country gospel music, ID in WBAL null. (WM-MD)
- 1110 WUHN MA Pittsfield 10/27 1732 Fair over CKTY with "WUHN Radar Weather" into C&W song by Tanya Tucker. (MB-ON)
  - WNAP PA Norristown 10/24 1845 Black gospel music, sign-off, ID under WBT. (WM-MD)
- 1160 WAMB TN Donelson 10/13 2319 Good with beautiful music, ID "WAMB, WAMB-FM Donelson." Ad for local sewer and drain service. (TRH\*GA)
  - + 10/25 1841 Presumed fading atop WSCR with promo for "Newschannel 5, Newsradio 1430." (NJW\*MI)
- 1200 KFNW ND West Fargo 10/25 1920 Christian music, ID 1928 and weather by woman, into more soft Christian music. Good over WCHB, others. (NIW\*MI)
- 1230 WFVA VA Fredericksburg 10/21 1855 NOS music in muck, ID. (WM-MD)
- 1250 WARE MA Ware 10/25 2150 Tentative with NOS and possible ID in big jumble. (MH-VA)
- 1280 WONW OH Defiance 10/21 2310 C&W music, ID. (WM-MD)
- 1320 WJGR FL Jacksonville 10/21 2300 USA Radio news, ID in mess. (WM-MD)
- 1350 WRNY NY Rome 10/25 2026 High school football game, ads for Rome, ID for three stations including 1480 and 1350. Mostly under WOYK; WTOU and WGPL in the mix as well. (DY-NY)
  - WTOU OH Akron 10/5 2213-2224 UC or soul music, ads for Goodyear, ID on 10/6 0400 as WTOU. Poor. (DT-JAM)
- 1380 WRBQ FL St. Petersburg 10/12 2200 Noted running OC all night after 2200. (TRH\*FL)
  - WYNK LA Baton Rouge 10/27 1900 Surprising with ID "101.5 WYNK." (MH-VA)
- 1390 WROA MS Gulfport 10/12 2029 Fair, mixing with WTXC, weather and ID by man. (TRH\*FL)

- WXTC SC Charleston 10/12 2258 "Nobody plays more music," into C&W. (TRH\*FL)
- 1420 WRCG GA Columbus 10/12 2200 Noted ID, slogan "The Valley's local news authority." (TRH\*FL)
- 1430 WMYS IN Indianapolis 10/14 2306 Good with Bloomberg stock report, "Great memories, WMYS" into NOS. (TRH\*VA)
- 1440 WJJL NY Niagara Falls 10/26 1644 Oldies show, ID, weather in Buffalo, Bills just lost football game. (DY-NY)
- 1450 WBYU LA New Orleans 10/12 2205 Good with "WBYU, playing the music of your life." (TRH\*FL)
- 1510 WAUK WI Waukesha 10/19 1808 "You're listening to the Sports Fan Radio Network, WAUK," fair in WLAC null. (RCP-IN)
- 1530 KGBT TX Harlingen 10/22 1905 Fantastic signal, walking all over WSAI. Program in SS but call to station confirmed it was they, followed to 1930 sign-off with prayer and Hallelujah Chorus from The Messiah. Tape sent to station. New address: 200 South 10th, Suite 600, McAllen TX 78501, (956) 423-3910. V/s is Sergio Pizzano, C.E. (RCP-IN)
- 1570 WTWB FL Auburndale 10/12 1656-1733 ABC news, REL music, gone at 1733. QRM from HIAJ, unID EE. (DT-JAM)
- 1590 WCSL? NC Cherryville 10/13 2356 Tentative with ad for business on Main St. in Lincolnton. Seemed to be them with Monday Night Football. (TRH\*GA)

#### TIS AND MISCELLANEOUS

- 530 TIS DE Rehoboth Beach (WNRD656?) 10/7 1155 "Welcome to Rehoboth Beach," park and ride information. Good at Lewes DE ferry, poor next day in Cape May NJ area. (HH\*DE)
  - HAR GA Atlanta 10/13 1836 Georgia Department of Transportation HAR audible briefly near I-75/85/20 interchange. (TRH\*GA)
  - HAR VA Richmond 10/14 1955 Noted signs near 1-64/195/295 junction for highway advisory radio, but nothing active either day I passed through the area. Only TIS noted active in Richmond was the airport one on 1610 kHz. (TRH\*VA)
- Rebroadcasting NOAA Weather Radio KIH-28 (162.475 MHz) with a brief taped voice-over every 6 minutes "This is a test message from the training session in Harrisburg, Pennsylvania." Best I can do by locating it by car is somewhere near the Plymouth Meeting Conshohocken border. This is only a few miles distant from the PA Turnpike HAR at Valley Forge, which is still on the air with a test message. This new one is much stronger, and overlaps all three of my previously reported Turnpike HAR's. (RJE-PA)
- 870 TIS VA Vienna (KFC718) 10/26 1200 Fairly common in the day here with mentions of Wolf Trap Farm Park for the Performing Arts events. Band has to be nice and quiet to hear this one. (MH-VA)
- 1060 TIS FL Clearwater 10/12 1750 Airport TIS good with tape loop by man, no sign of the other 1060 TIS listed at MacDill AFB. (TRH\*FL)
- 1610 TIS FL? --- 10/12 2123 UnID station with NOAA weather for northern Florida and southern Georgia. Also noted the next night from GA, and one sounding just like it was noted the following night from VA. (TRH\*FL)
  - TIS MD Worcester County (WPFJ882) 10/9 1455 Station is located at the Bridge on Route 90. Noted in and out in Ocean City MD, pretty good 1600 on the Garden State Parkway. Surprised to hear this one in NJ! Giving traffic info. (HH\*MD)
  - TIS MI Port Huron 10/25 1947 Man repeating "This is a test message for 1610 AM, for the Blue Water Bridge Crossing." No signs on I-69/94 in Port Huron advising of this. Signal very good near bridge; poor with QRM from other TIS stations in Brighton. (NJW\*MI)
  - TIS MN Unknown (WNAZ242) 10/25 0011 Iron Trail trivia, directions to information center, mention of U.S. Hockey Hall of Fame in Eveleth. Exact calls and location unclear, obviously somewhere in northeastern Minnesota. (NJW\*MI)
  - TIS NJ Atlantic City 10/9 1534 Atlantic City Convention and Visitors Authority, long tape on entertainment, etc. in Atlantic City. Good in parts of Ocean City MD. (HH\*MD)
  - TIS NC Durham (WPHE255) 10/15 0536 Duke Medical Center TIS with information about parking rates. (TRH\*VA)

12	

TIS - - 10/15 0546 - Tape loop by man mentioned mining and a national forest, looped E-W. (TRH\*VA)

1620 TIS VA Shenandoah Valley (WPJM404) - 10/15 0526 - Noted three stations using these call letters, giving information about various attractions along I-81 and I-64 and the Shenandoah Valley. (TRH\*VA)

+ 10/26 0430 - Weak with mentions of Skyline Drive and Civil War sites in the area, mixed with one or two other TIS's. (MH-VA)

+ 10/26 0607-0610 - Briefly on top with female talking about George Washington National Forest, Blue Ridge Parkway, Skyline Drive, etc. (NJW\*MI)

1630 TIS NY New York - 10/24 0450 - Parking rates and information, different program from 1700 kHz. Heard from time to time here. (HH-MD)

> + 10/26 0517 - Fair with Kennedy Airport parking prices and "Thank you for tuning in." (MH-VA)

HAR - -- 10/26 0830 - The "1630 Time Lady" who used to be 7 or 8 minutes behind the real time is now 53 minutes ahead; didn't switch back to Standard Time. (NIW\*MI)

TX Dallas-Fort Worth Airport (WQO767) - Mixing with weak KXBT, in fairly 1640 TIS well this season. (RCP-IN)

TX Dallas-Fort Worth Airport (WQA767) - Dispensing departure information, 1680 TIS generally heard less well than 1640 kHz with more QRN on this channel. (RCP-IN)

1700 TIS NY New York - 10/12 1917 - Mentions of Flushing Meadows and driving conditions. (MH-VA)

> 10/24 0432 - Fair to good, giving information on highways entering JFK Airport. A bit stronger than 1630 kHz and not //. (HH-MD)

#### REPORTERS

MB-ON	Mike Brooker	Toronto ON - RF-2200, RFB-45
MB-IN	Mark Burns	Terre Haute IN - R8, Kiwa loop, 80' LW
PC-ME	Paul Choroszy	Biddeford ME - UnID help
RJE-PA	Russ Edmunds	Blue Bell PA - Car radio  Beautiful Music
TRH*	Tim Hall	Wandering the East - Various locations
JH-NJ	John Hanz	Old Bridge NJ - Channel Master 6518
MH-VA	Michael Hawk	Reston VA - R70, homemade 2' loop
HH-MD	Hank Holbrook	Dunkirk MD - R8, 120' LW, car radio
WM-MD	William McGuire	Cheverly MD - DX-380
DP-HI	Dale Park	Honolulu HI - Local news and unID help
RCP-IN	Robert Pote	Greenwood IN - R8A, Quantum loop
DT-JAM	Don Trelford	St. Ann's Bay, Jamaica - R2000, LW's NW-SE, E-W
MW-CT	Martin Waters	Wallingford CT - Superadio II
MW*MA		DXing at Amherst MA - Car radio
NJW*MI	Neil Wolfish	DXing at MARE DXpedition at Brighton MI - ICF-2010, Radio
		West loop, R71A, 800' LW
DY-NY	David Yocis	South Nyack NY - R71A, Kiwa loop
DZ-NY	Dan Ziolkowski	Hamburg NY - Sony 2010, Kiwa filters, Kiwa pocket loop

#### ABBREVIATIONSUSED IN DDXD

/ /:parallel to :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English FF:French GOS:gospel LSR:local sunrise LSS:local sunset NFL: National Football League NBA:National Basketball Association NHL:National Hockey League NPR:National Public Radio OC:open carrier PRI: Public Radio International PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference (power lines, etc) QRN:natural interference (lightning, etc) QTH:location PRI:Public Radio International REL:religious ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International VID:voice ID

# NRC Letter Opene

\$1.75 each! Sturdy yellow plastic ... opens letters, cuts string, package wrapping, and more! Order from NRC Publications - NY orders, please add sales tax.



#### 13 International Jim Renfrew JimRenfrew@delphi.com 61 Wilcox Street DX Digest Rochester, NY 14607-3832

Foreign DX Catches. Times are UTC; for ELT, subtract 5 brs.

The season seems well under way, and we have a great turn-out this week. Read on!

hm

#### TRANS-ATLANTIC DX

549 ALGERIA, Les Trembles, OCT 25 2131 - energetic group AA vocal, strings, percussion; good. [Connelly\*Y-MA]

IRELAND, RTE R.1, Tullamore, OCT 21 2303 - news by woman in EE mentioned a murder trial in Texas; briefly up with a good signal. [Connelly\*rw-MA]

603 SPAIN, RNE5, Sevilla / Palencia, OCT 21 2311 - // 639 with SS talk mentioning Maria; good. [Connelly\*rw-MA]

612 MOROCCO, Sebaa-Aioun, OCT 21 2235 - AA vocal, strings, flute; excellent. [Connelly\*rw-MA] OCT 25 0223 - group AA vocal; fair. [Connelly\*H-MA] OCT 25 2132 - AA vocal in an almost-operatic style; fading up. [Connelly\*Y-MA]

621 CANARY ISLANDS // SPAIN, RNE1, OCT 21 2239 - SS teletalk; to good peak. [Connelly rw-MA] OCT 25 2129 - fast SS talk by man; good. [Connelly\*Y-MA]

SPAIN, RNE1, La Coruna et al., OCT 21 2240 - // 621 with SS teletalk; fair through CBN/WNNZ slop. OCT 21 2311 - up to good level with SS // 603. [Connelly\*rw-MA]

SPAIN, RNE1, Badajoz et al., OCT 21 2241 - // 774 & others with SS teletalk; fair. [Connelly\*rw-MA]

666 PORTUGAL, RDP, Lisboa, OCT 21 2230 - Ella Fitzgerald or similar 40s-era female jazz vocal; to fair peak. [Connelly\*rw-MA]

666 SYRIA (t), Damas-Sabboura, OCT 21 2312 - AA Koranic chanting seemed // to a very strong 783. Signal was poor, in a jumble with Portugal and at least one other. [Connelly\*rw-MA]

684 SPAIN, RNE1, Sevilla, OCT 21 2242 - SS talk; over a music station that was likely Serbia. [Connelly\*rw-MA] OCT 25 0517 - SS teletalk; loud. [Connelly\*H-MA]

684 UNID, OCT 31 0325 - suspect Serbia with weak, muddy audio, looped further north than usual Spain signal, which was not evident today. [Renfrew- NY]

693 UNITED KINGDOM, BBC, Droitwich et al., OCT 21 2229 - BBC news & documentary; fair, dominant. [Connelly\*rw-MA]

711 WESTERN SAHARA, Laayoune, OCT 25 2127 - AA vocal and strings at low modulation level on huge carrier; WOR phased. The 50 Hz growl (from weaker Libya) didn't show up until several minutes later. [Connelly\*Y-MA]

756 GERMANY, Deutschlandradio, Braunschweig/Ravensburg, OCT 21 2222 - // 1422 with piano jazz; good, over Spain. [Connelly\*rw-MA]

756 SPAIN, R. Euskadi, Bilbao, OCT 25 0523 - man in SS; poor to fair. [Connelly\*H-MA]

765 SENEGAL, Dakar, OCT 21 2247 - African-accented FF talk; good with the loop pointed southeast to null Switzerland. [Connelly\*rw-MA] OCT 25 2137 - heated discussion or argument in a local language (choppy sounding, a bit like AA); excellent at S9+20 and better, sometimes stronger than WABC. Whatever technical problems this station may have had now seem to be corrected. [Connelly\*Y-MA]

765 SWITZERLAND, RSR, Sottens, OCT 21 2247 - classical music was strong with the loop

pointed northeast. [Connelly\*rw-MA]

774 SPAIN, RNE1 synchros, OCT 21 2242 - SS talk // other RNE1's; good, slightly over Egypt. [Connelly\*rw-MA] OCT 25 2245 -SS man mentioning R. Nacional España; over Egypt with a fast SAH resulting. [Connelly\*Y-MA

783 SYRIA, Tartus, OCT 21 2315 - AA Koranic vocal; totally dominant and very loud, about the best signal I've ever heard from this. [Connelly\*rw-MA]

819 MOROCCO, Rabat, OCT 25 0515 - // 612 with AA chant; fair. [Connelly\*H- MA]

836 AZORES, RDP, Pico da Barossa, OCT 21 2253 - fair with operatic romantic vocal. This station was noted on 837 a few days later: it's not the first time this has jumped back to its correct 9kHz-multiple channel. [Connelly\*rw- MA] (see 837 below)

837 AZORES, RDP, Pico da Barossa, OCT 25 2144 - here (ex-836) with PP talk; strong, evenly mixing with Canaries SS talk. Just because this has reappeared on 837, don't discount the

possibility of it jumping back to 836 without warning. [Connelly\*Y-MA]

CANARY ISLANDS // SPAIN, COPE synchros, OCT 25 2144 - SS talk over/under Azores; loud. [Connelly\*Y-MA]

- 855 SPAIN, RNE1, Murcia et al., OCT 21 2257 SS teletalk; fair. [Connelly\*rw-MA]
- 864 EGYPT, Santah, OCT 21 2258 male a cappella Koranic AA vocal; good. [Connelly\*rw-MA]
- 864 FRANCE, Paris, OCT 25 0540 // 945 with FF talk by man, then mellow FF vocal; poor to fair. [Connelly\*H-MA]
- 873 LEBANON (t), Beirut, OCT 21 2316 I'm not 100% sure if this is still active, but someone was running AA music behind dominant SER Spain. Syria-783 was huge at the time (annihilating Spain/ Portugal), so the propagation certainly seemed right for this. [Connelly\*rw-MA]
- 873 SPAIN, SER R. Zaragoza, Zaragoza, OCT 21 2316 SS teletalk; atop AA music station. [Connelly\*rw-MA]
- 891 ALGERÍA, Algiers, OCT 21 2317 male AA vocal & wild instrumentation, then AA talk by man; good. [Connelly\*rw-MA] OCT 25 0502 woman in AA, then vocal; good. [Connelly\*H-MA] OCT 25 2154 man & woman in AA; good. [Connelly\*Y-MA]
- 944 unID African, OCT 25 2250 Angola or Sao Tome here with bits of music and a het from something weaker on 945. [Connelly\*Y-MA]
- 945 FRANCE, Toulouse, OCT 25 0500 man in FF said "bonjour", FF folk-rock vocal followed; excellent. Still strong when re-checked at 0542 UTC. [Connelly\*H-MA]
- 954 SPAIN, R. España, Madrid, OCT 25 2249 excited SS teletalk by man & woman; good. [Connelly\*Y-MA]
- 963 PORTUGAL, R. Renascenca, Seixal, OCT 25 2248 mellow vocal (style of Al Martino or Vic Damone), then woman in PP; poor, over others. [Connelly\*Y-MA]
- 981 ALGERIA, Algiers, OCT 25 0543 group AA chant; fair to good. [Connelly\*H-MA] OCT 25 2155 AA folk-style vocal with steel guitar; good. [Connelly\*Y-MA]
- 1008 CANARY ISLANDS, Las Palmas, R. Las Palmas / RadioVoz, OCT 25 2243 slow SS talk (not // SER); poor, in WINS slop. [Connelly\*Y-MA]
- 1017 GERMANY, Rheinsender, OCT 21 2325 good signal: folk-rock vocal, GG talk by man, then the "Chariots of Fire" theme by Vangelis was played. Spain (fast SS talk) was audible way under. [Connelly\*rw-MA]
- 1044 SPAIN, SER synchros, OCT 21 2237 dominant & loud with usual newstalk in SS. [Connelly\*rw-MA] OCT 25 0544 woman in SS; starting to fade out. [Connelly\*H-MA]
- 1044 MOROCCO, RTM Sebaa-Aioun, OCT 21 2215 presumed with local drumming and calland-response vocals, dominating Spanish SER synchros. Slop from 1040 domestics phased. [Novello-NC]
- 1053 UNITED KINGDOM, Talk Radio synchros, Start Point et al., OCT 21 2328 blaring US-style ad for the "200 Non-Stop Party Hits" set of CD's. Bits of numerous '70s / '80s rock and disco hits were played; good, atop Spain & others. [Connelly\*rw-MA]
- 1062 DENMARK Danmarks Radio, Kalundborg, OCT 19 0410-0432 Good with man in Danish and variety of soul and pop music, including Elton John's "Candle in the Wind". [DeLorenzo-MA]
- 1089 UNITED KINGDOM Talk Radio synchros, OCT 17 2325-2335 Man and woman in EE. Decent signal strength but very poor readability because of severe WBAL-1090 sideband. [DeLorenzo-MA] OCT 21 0000 ID "This! Is Talk Radio" and into Independent Radio News. Reasonable signal considering splash from 1090. [Novello-NC] OCT 21 2331 EE talk mentioning the Rolling Stones. [Connelly\*rw-MA] OCT 31 0321 Noted from 0250 with Brit talk, mentioned "Southampton" and "Britain", news at 0300, lots of "tweaking" necessary to stay with audio in WBAL slop (but the best audio ever heard on this one!), finally heard "Talk Radio" slogan at 0321, new. [Renfrew-NY]
- 1098 SPAIN, RNE5 synchros, OCT 21 2333 a bit of SS talk fighting its way through a raucous low-pitched growl. [Connelly\*rw-MA]
- 1098 SLOVAKIA Slovensky Rozhlas, Nitra, OCT 17-18 2340-0018 Good in peaks with man and woman in Slavic language (presumed Slovak), current Eastern European rock music and 1950's "Doo-Wop" music. If Slovakia would be country #86 heard. [DeLorenzo-MA] OCT 22 0046 disco-influenced Muzak (ouch!); good strength, well over Spain. [Connelly\*rw-MA]
- 1107 SPAIN, RNE5 synchros, OCT 25 0547 SS teletalk; fair. [Connelly\*H-MA]
- 1116 SPAIN, SER synchros, OCT 22 0042 // 1044 with SS teletalk show with woman moderator; fair. [Connelly\*rw-MA]
- 1125 CROATIA, HR, Deanovec, OCT 21 2336 talk // 1134; evenly mixed with Spain. [Connelly\*rw-MA] OCT 31 0305 weak, but parallel to 1134 program, second time I've heard this one. [Renfrew-NY]
- 1125 SPAIN, RNE5 synchros, OCT 21 2336 SS talk over/under Croatia. [Connelly\*rw-MA]
- 1134 SPAIN, COPE synchros, OCT 25 2238 fast SS talk; totally dominant. [Connelly\*Y-MA]

- 1134 CROATIA Hrvatski Radio, Zadar, OCT 18 0021-0030 Fair with local folk music. [DeLorenzo-MA] OCT 19 2255 symphonic versions of Queen songs "Bohemian Rhapsody" and "We Are The Champions" to 2300. Three pips and "Hrvatskaya" ID by W at TOH, then into nx. Good signal. [Novello-NC] OCT 21 2334 Slavic newstalk / teletalk; local-like, often better than WBBR! [Connelly\*rw-MA] OCT 22 0157 mandolin music 0200 times tones followed by ID by woman "Hrvatski Radio", then talk. Fair signal in the clear. [Ziolkowski NY] OCT 31 0242 strong, clear signal (best ever) with usual Balkan pop music program. [Renfrew-NY]
- 1179 SPAIN // CANARY ISLANDS, SER synchros, OCT 25 2237 man & woman with fast SS political teletalk; LOUD. [Connelly\*Y-MA]
- 1197 LESOTHO, BBC relay, Lancer's Gap, OCT 25 2200 "Lilybolero" interval music, BBC news in EE; to fair peak over others. OCT 25 2236 up to good peaks with BBC discussion program. [Connelly\*Y-MA]
- 1206 FRANCE, R. Bleue, Bordeaux, OCT 21 2355 Edith Piaf vocal, brief FF talk by woman, then "A Whiter Shade of Pale" by Procol Harum; excellent, blasting in. Something else was way under with talk: Israel perhaps. [Connelly\*rw-MA] OCT 25 0550 // 945 with nostalgic female vocal; poor to fair. [Connelly\*H-MA]
- 1215 SPAIN, COPE synchros, OCT 25 2235 fast SS talk & teletalk; to fair peak. [Connelly\*Y-MA]
- 1215 UNITED KINGDOM, Virgin Radio synchros, OCT 21 0015 "Talk of the Town" by The Pretenders, and, almost predictably, Oasis. Tough copy in splash from both sides. [Novello-NC] OCT 21 2359 rock song ended, EE male DJ said a few words, then news headlines were read by a woman; fair signal. [Connelly\*rw-MA] OCT 31 0310 noted in passing with good signal, rock music. [Renfrew-NY]
- 1224 SPAIN, COPE synchros, OCT 25 2202 // 837: man & woman with SS teletalk; poor. [Connelly\*Y-MA]
- 1251 LIBYA, Tripoli, OCT 25 2203 AA news by man; good with just a bit of local WBUR-1240 slop. [Connelly\*Y-MA]
- 1296 SPAIN, COPE, Valencia, OCT 25 2203 woman with SS teletalk show; loud. [Connelly\*Y-MA]
- 1314 NORWAY, NRK, Kvitsoy, OCT 22 0039 Louis Armstrong vocal; absolutely LOCAL-LIKE (overwhelming the adjacent domestics). [Connelly\*rw-MA]
- 1349 MAURITANIA, R. Mauritanie, Nouakchott, OCT 25 2204 -flute music; fair through slop. [Connelly\*Y-MA]
- 1386 UNID, OCT 19 0445-0505 Poor with light piano music and man and woman in unreadable language. DF bearing due Northeast. [DeLorenzo-MA]
- 1386 unID, OCT 25 2206 a fair amount of RF, but the audio was murky. Guinea probable per receiving site characteristics, time of day, and propagation. [Connelly\*Y-MA]
- 1386 RUSSIA, Voice of Russia, OCT 21 2150 with EG program about computers, // 5940 but with satellite delay. Bolshakovo listed. Held on for about half an hour in all, fair to good signal. [Novello-NC]
- 1386 RUSSIA, Voice of Russia, OCT 21 2150 with EG program about computers, // 5940 but with satellite delay. Bolshakovo listed. Held on for about half an hour in all, fair to good signal. [Novello-NC]
- 1422 ALGERIA, Algiers, OCT 25 2208 AA vocal & strings; dominant, poor to fair. [Connelly\*Y-MA]
- 1422 GERMANY, Deutschlandradio, Heusweiler, OCT 21 2222 -piano jazz (// 756); fair. [Connelly\*rw-MA]
- 1458 unID, OCT 25 2227 male operatic vocal in heavy slop. CKRB-1460 is less a problem on Cape Cod than it is north of Boston, but 1458 is still a tough channel to DX. [Connelly\*Y-MA]
- 1467 FRANCE, TWR, Roumoules, OCT 25 2210 absolutely HUGE (S9+30 and better) with choral hymn, then US EE preacher. [Connelly\*Y-MA]
- 1475.1 BENIN, ORTB, Cotonou, OCT 25 2212 fast drumming & vocal; fair but fadey. [Connelly\*Y-MA]
- 1485 SPAIN, SER synchros, OCT 22 0036 SS teletalk with a musical interlude; messy. [Connelly\*rw-MA]
- 1503 unID, OCT 21 0035 open carrier with something else way under. Iran possible, based on propagation. [Connelly\*rw-MA]
- 1521 SAUDI ARABIA, BSKSA Duba, OCT 21 2258 Qur'an, few words by M, very short vocal anthem and off promptly at 2300. [Novello-NC] OCT 25 0308 male Koranic AA vocal; good to excellent. Fading was fast and "ripply", like polar flutter, but the signal stayed generally strong. [Connelly\*H-MA] OCT 25 2215 local-like (way over S9) with high-energy AA strings and drums, then male vocal. [Connelly\*Y-MA] OCT 25 2321 Poor with arabic man singing.

with my passive loop & high noise floor, audio on these guys is rare [Hawk-VA] OCT 31 0321 - strong het on WWKB, weak but readable Koranic reading. [Renfrew-NY]

1544 ALGEŘIA - CLANDESTINE, Tindouf, OCT 25 2222 - fast AA talk by man at light audio level on a massive S9+25 carrier. [Connelly\*Y-MA]

1548 KUWAIT, VOA, Kuwait City, OCT 22 0010 - "VOA Business Report" talking about the day's 139 point advance in the Dow-Jones average; HUGE signal, amazing for the distance. A British station was way under with a woman doing a teletalk or interview show. [Connelly\*rw-MA]

1559 unID (Middle East?), OCT 22 0004 - bits of AA talk & a big het against the residue of phasenulled WOEW-1560. This station has been noted in Spain and it might be the "Iraqi Army Radio" anti-Saddam Hussein clandestine that shows up on various split frequencies above

1500 kHz. [Connelly\*rw-MA]

1566 INDIA, All India R., Nagpur-Buttibori, OCT 22 0022 -Indian-accented EE talk by a woman mentioned agriculture and trade topics, then the words "external service"; poor to fair at best. I had to chase a jumpy phase null of WQEW's slop to pull this through. By 0030, the channel became jumbled with Iran & others getting into the mix. Getting India made sitting in the car on a cold night at the Rowley salt-marsh well worth the effort. [Connelly\*rw-MA] (I'd be willing to sit IN the salt marsh to get this one! - Jim)

1575 SPAIN, SER synchros, OCT 25 2220 - fast SER SS newstalk; fair. [Connelly\*Y-MA]

1619.5 NETHERLANDS, Scheveningen, PCH, OCT 21 0012 - this is still on the air (it's supposed to be going silent soon). Usual repeated cycle of "PCH" Morse code ID and 8 data bursts. Very strong. [Connelly\*rw-MA]

#### PAN-AMERICAN DX

- 540 MEXICO XEACH Tijuana, BCN AUG 24 Noted for first time with a man announcing call letters in Spanish "Eh-keys eh ah say ah-jay", second man in English with slogan "X-Bach Stereo 5-40" and mention of cable FM frequencies on Cox Cable and Southwestern Cable systems in San Diego. No mention of KKGO-FM, even though XEACH was three seconds behind XEACH. Also no mention of co- channel simulcaster KNOB Beverly Hills even when monitored in West L.A. Note that it is not XEBCH. Incidentally, I tried to visit their offices at 1500 Cotner Av. in West L.A. but they wouldn't buzz me in. [Park-CA] (You must have fit that "DXer" profile - Jim)
- 550 CUBA, R. Rebelde synchros, OCT 25 1013 // 670 with SS political talk; barely atop jumble. [Connelly\*H-MA]
- 550 VENEZUELA Cadena Mundial, OCT 29 0510-0546 music program, good in WGR null, ID as "Cadena Mundial" at 0510 following lottery numbers, call letter ID at 0546. [Renfrew-NY]
- 555 ST KITTS AND NEVIS ZIZ OCT 25 0209 weak with drum beats. Used to hear hets on this in Nebraska, but never audio. [Hawk-VA] OCT 25 1005 - bits of Carib-EE news; weak, but still audible at this late time. [Connelly\*H-MA]
- 570 CUBA, R. Reloj, OCT 25 1008 Reloj program still active here; loud, atop domestics. [Connelly\*H-MA]
- 600 CUBA, R. Rebelde, CMKV, Urbano Noris, OCT 25 0953 -good: // 670 with SS male vocal and jazz instrumentation including brass, xylophone, & drums. [Connelly\*H-MA]
- 630 MEXICO XEFX Guaymas, SON, SEP 25 0524 SS, poor, but clear through local KHOW with musica romantica, ID: "XEFX, Los Profesionales de la Radio" (heard twice). I wonder if Hurricane Nora had something to do with this reception as they haven't been heard again. New! [Knight-CO]
- 640 CUBA, R. Progreso, Guanabacoa / Las Tunas, OCT 25 0950 dominant: this was running the R. Reloj program at this time. [Connelly\*H-MA]
- 650 MEXICO XETNT Los Mochis, SIN, OCT 22 0204 SS, very good with ID: "XETNT, Radio 65, La Ley en Los Mochis y en el occidente de Mexico en musica", into ad string. [Knight-CO]
- 660 MEXICO XEACB Ciudad Delicias, CHIH, OCT 20 0204 SS, very good most evenings with with "6-60" and "La Tremenda" slogans. Mexican pop music. Local ads. [Knight-CO]
- 670 CUBA, R. Rebelde, CMQ, Arroyo Arenas, OCT 25 0943 -Cuban music // 710; good. [Connelly\*H-MA]
- 690 COLOMBIA R. Deportes, OCT 29 0602 music program, full ID at 0602 with call letters, then more music, blasting away through CBF. [Renfrew-NY]
- 690 MEXICO XETRA Rosarita, BCN Now announcing this city of license instead of Tijuana at the top of the hour in Spanish. [Park-CA]
- 700 COLOMBIA, HJCX, Cali, OCT 25 0946 "R. Net" ID, Bogotá mention; dominant, way over WLW. [Connelly\*H-MA]

Need to renew? Expired? The mailing label will tell you.

- 710 CUBA, R. Rebelde synchros, OCT 25 0943 // 670 with upbeat Cuban vocal & rhythm section; audible behind WOR. [Connelly\*H-MA]
- 740 MEXICO XEQN Torreon, COAH, OCT 24 0202 SS, good with numerous station promo hype, lots of "Radio Capullo" slogans, program promo for "La Rey de la Noche". [Knight-CO] COLOMBIA, RCN, HJAJ, Barranquilla, OCT 25 0957 - // 770: discussion program with

woman in SS; good, over growl. [Connelly\*H-MA]

- COLOMBIA, RCN, HJJX, Bogotá, OCT 25 0957 // 760 with woman in SS; audible through WABC. [Connelly\*H-MA]
- BRITISH VIRGIN ISLANDS, ZBVI, Roadtown, Tortola, OCT 22 0052 Carib-EE talk about football and other sports; over CFDR/WBBM. [Connelly\*rw-MA]
- MEXICO XE?? QTH?, OCT 20 0221 SS, Very good with "Radio Lobo" slogans and jingles, Mexican pop music/musica tropical. No sign of WBAP. Another XE station underneath. This could be XEYX with a slogan change, XEUDO with a slogan change or ?? [Knight-CO]

CUBA, CMHW, Santa Clara, OCT 25 2300 - ID "Ésta es Dobleve, desde Santa Clara, en Cuba.";

loud / dominant. [Connellv\*Y-MA]

- unID, OCT 25 2150 festive Latin American music, slogan "la nueva ... Tropical !", then slow ballad; heard with CJBC nulled. This has been heard before, but not successfully ID'ed. [Connelly\*Y-MA]
- 990 MEXICO XECL Mexicali, BCN, OCT 26 0157 SS, good peak over local KRKS with full ID including QTH, into Mariachi music. [Knight-CO]
- 1000 MEXICO XEFV Ciudad Juarez, CHIH, OCT 26 0145 SS, poor through KKIM (who forgot to power down) with ranchera music and "...en La Rancherita" slogan. [Knight-CO]
- 1070 MEXICO XEOBS Ciudad Obregón, SON, OCT 26 0141 SS, poor-fair under KNX with ranchera music and "Radio Mexicana" slogans. [Knight-CO]
- 1110 MEXICO XEWR Ciudad Juarez, CHIH, OCT 20 1252 SS, good with EE oldies music, local ads, "Classic once diez (11-10)" slogans, call ID. [Knight-CO]
- 1120 PUERTO RICO WMSWt OCT 25 0306 many mentions of "Puerto Riqueño" and thought I heard "Radio Familia", but never any CL's. Are there any other possibilities? [Hawk-VA] (Venezuela usually has the strongest signal here - Iim)
- 1290 MEXICO XEAP Ciudad Obregon, SON, OCT 26 0047 SS, Fair with Nortea music, ID: "...musica alegria, musica romantica, 12-90 Radio Sensacion". [Knight-CO]
- 1320 MEXICO XE?? QTH?, OCT 20 1305 SS, very poor, Mexican National Anthem heard in ORM. possibly XESR signing on. [Knight-CO]
- 1352.3 unID, OCT 25 2232 carrier here, not sure if Pan American or TA: years ago, YVTJ Venezuela was drifting on the high side of 1350, but this could be something else. [Connelly\*Y-MA]
- 1375 ST PIERRE ET MIQUELON RFO OCT 11 0302 FF, very strong...10 over S9 [Hawk-VA]

#### TRANS-PACIFIC

1314 JAPAN JOUF Osaka OCT. 23 1308 UTC - Woman talking fast in Japanese with several mentions of Osaka, talked over pop song by man. Over/under station in European language, probably China Radio Intl. in Russian. Poor to fair. [Park-HI]

#### MEDIUM WAVE STATIONS IN SOUTH AFRICA

630 Lusaka is actually on 628.9 kHz.

- Radio Cinco of Radio Nacional, presumably from Luanda is heard here, but in the past I have also heard Em. Prov. de Benguela on this frequency.
- 891 LSO Radio Lesotho has been reactivated on this frequency.
- 1170 BOT Radio Botswana here, location unknown.
- 1215 BOT Radio Bostwana here, location unknown.
- 1278 AGL Em. Prov. de Cabinda is now on this frequency (probably ex 1570)
- 1350 BOT Radio Botswana here, location unknown.
- 1367 AGL Radio Nacional, Luanda, has been reactivated.
- 1400 AGL Radio Luito, Bi, is heard here.
- 1440 TZA Radio One, PO Box 4374, Da-es-Salaam, 10 kw, // 99.6
- 1475 BEN Contonou is on this actual frequency rather than 1476.
- [by Vashek Korinek via BE in ARC OCT 14]

A report in Hard Core DX from a traveller in West Africa comments that many stations are shifting to FM - Jim.

#### How to place mail orders:

Write to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164. Enclose check or money order; NY residents, please add state and local taxes. Please allow 3-6 weeks for shipping.

ARMENIA: Adventist World Radio via Yerevan 1314: 1430-1500 Farsi, 1500-1600 Arabic. [AWR Schedule (OCT 26-MAR 29)],

BELGIUM: Starting OCT 27 Radio Netherlands will cease using Radio Luxembourg transmitters for its medium wave service for Europe. Instead Radio Netherlands will be using the Belgian Wolvertem transmitter on 1512 kHz for its evening broadcasts to Europe. [BE in ARC OCT 14]

BOSNIA-HERCEGOVINA: 1242 Pale operating on this frequency and well heard in Germany 1800-1900 with continuous music. [HR (Germany) via BE in ARC OCT 6] The US Air Force has brought an AWACS aircraft to one of their bases in Italy. This aircraft is ready to lift and broadcast from the air over Bosnia, if the present struggle of the two governments cannot be solved. This aircraft is specially equipped to broadcast on AM-FM and TV. It is a C3 Commander aircraft that can stay in the air for 12 hours. It was last used during 1994 in Haiti. [Communications World via BE in ARC OCT 6]

#### CONTRIBUTORS (@ = via e-mail)

@Mark Connelly (WAIION), DXing from East Harwich, Cape Cod, MA ("H"), DXing from Rowley MA ("rw"), DXing from South Yarmouth, Cape Cod, MA ("Y"); Drake R8A, MFJ-1024 active whip phased against RL-1 remotely-tuned loop (or) 28 m east wire. Phasing units included DCP-2 and a new prototype model. [MarkWAIION@aol.com]

Marc DeLorenzo, Auburndale MA; JRC NRD-525, Quantum Loop.

@Michael Hawk, Reston, VA; Icom R70, 2' Homemade loop [hawk@uu.net]

@Chris Knight, Firestone CO; Kenwood TS440SAT and 100 foot random longwire antenna. [dxer1@juno.com]

@Jay Novello, DXing from Buxton NC; R8A, 1000' NE wire, 500' NW wire [jay@itre.itre.ncsu.edu" @Dale Park; Honolulu, HI; Sangean ATS-803A, Selec-A-Tenna; also DXing in Orange County CA. [dxfool@aol.com]

@Jim Renfrew, Rochester NY; Drake R8, Radio West Loop [JimRenfrew@Delphi.com]

@Dan Ziolkowski, Hamburg NY; [DanZiolkowski@compuserve.com]

**HOT TIP** (via David Crawford), WCMQ-1210 is scheduled to enter the X-Band on 1700 kHz on TUESDAY, Spanish language, I believe.

## **A DX'ers Technical Guide**

Now in its 2nd edition, this 120-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for NRC/IRCA members, \$6.50 for non-members (overseas airmail add \$2.50). Order your copy today from

IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334

### IRCA Mexican Log, 4th Edition

The IRCA MEXICAN LOG log lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. In addition, stations that have changed frequency since 1990 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated and carefully cross-checked by IRCA members in Mexico and the U. S. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three hole punched for easy binding (optional).

Prices: IRCA/NRC members - \$6.50 (US/Canada/Mexico/seamail), \$7.50 (rest of the Americas airmail), \$8.00 (Europe/Asia airmail), \$8.50 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices.

Order TODAY from: IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334



The NRC AM Radio Log, 18th Edition, is compiled from members' reports and from official sources so that it is the most accurate listing of AM stations on the market. Cross-referenced, 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members; to Latin America, \$23.50; Europe, \$24.00; rest of the world; \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

# Radio Pete Kemp (KZ1Z) PeteKZ1Z@aol.com P. O. Box 73 Bethel, CT 06801-0073

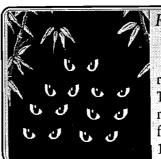
News of the radio industry, of interest to DX'ers

Greetings, all ... The new morning team of George Woods and Shari Stone have moved into WOAI from Omaha ... KSFO is now airing Art Bell's "From Coast to Coast" live from 10 pm to 3 am and then rerunning the first three hours from 3 to 6 am. Thats a lot of Bell! ... Some disgruntled local AM stations have bolted from under the wing of the National Association of Broadcasters. They will be called the American Community AM Broadcasters Association ... At age 85, radio vet Study Terkel will retire on January 1st. He has been a fixture on Chicago radio for 45 years. He will then spend time with the Chicago Historical Society, organizing an archive in his honor, which will contain over 6,000 tapes ... IMUS back on in Cleveland, this time on WKNR ... Radio Disney has gone national after a six-month test at WKXH, KDIS, WYDE, and KCNR ... Phill Kline and Mary O'Holloran have joined KMBZ in Kansas City ... Here is a great radio name, Walt Starling. He is an airborn traffic reporter in D.C., gotta love it! ... Former Clinton right-arm man Dick Morris is shopping around for an on-air talk show gig. He has had on-air auditions in a few places. He may be headed for Jacor ... WKYN is now WBOB (Bob Means Sports - 1160) ... The Fabulous Sports Babe has moved his show from the ESPN Radio Studios in Bristol, CT to the ABC Radio Network's studios in New York City ... Steve McParlin is the new morning man on KNBR. He replaces station vet Frank Dill who retired at 34 years ... Will McDonough will be joined by his son Sean for a fatherson sports combo to air on WBZ-1030 and the CBS Radio Network's NFL coverage in the Fall, the show to be called "The McDonoughs on Sports" ... KABC's weekend talkshow host for the last 19 years, Tom Hall, has passed away ... Neil Rodgers is moving from WIOD to WQAM in Miami. He won't hit the air until September 30th ... KNX recently celebrated its 29th anniversary as an allnews station ... If you would like to contribute to this column, I may be reached at the address above, InterNet PeteKZ1Z@AOL.COM, the FIDO system in the Shortwave, Ham or Broadcasting echo areas, The Oracle 1:141/1015, or amateur radio packet, KZ1Z @ K1UOL.CT. So much for now.



NRC Nighttime Antenna Pattern Book, 4th Edition
Get it now; it's the second half of the NRC's "Dynamic Duo"!
Teamed with the NRC AM Log, the NPB provides DX ers with up-to-date maps of all (except Class IV) stations with night-time operations. Convenient to use: 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members.
Airmail to members: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00.

Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)



# From NRC's DX Audio Service ... 'After Dark 7'

Now available: The KVET story, writing reception reports, Superadio battles, Broadcast Pioneers, digital TV, Pirates in Miami, Tommy Charles tribute, and much more! 4 C-90 tapes in a white binder: \$9.50 postpaid from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

# Achievements

International DX Paul Swearingen plsBCBDXER@AOL.com 2840 SE Illinois Avenue Topeka, KS 66605-1427

International DX verie/taped totals listed by continents

Name													
1958   Dangerfield, Ben   PA   1996   126   33   426   331   85   44   151   8   10     1938   Anderson, Roger A. VA/NY/PA   1993   105   26   1448   514   227   78   128   48   5     1946   Holbrook, Hank   MD   1993   107   23   6190   588   512   243   147   61   2     1940   Morss, Stan   MA   1993   107   23   6190   588   512   243   147   61   2     1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3     1958   Merriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4     1959   Krejny, Edward   OH   1996   76   10   2733   441   208   126   91   6   0     1933   Cooper, Ernest   NY-MA   1980   79   6   4142   760   528   131   88   7   0     1950   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1     1952   McIntosh, Eric   NZ   1965   63   4   66   635   301   2   45   253   81     1954   Starr, Jerry   OH   1974   51   3   1209   1941   134   34   20   3   0     2   Callarman, John   7   1970   50   3   740   138   72   20   17   20   6     3   Sampson, John   NJ   1966   54   3   445   72   23   6   38   1   1     1952   Wesolowski, Emie   NE   1995   24   1   2001   69   53   7   0   7   1     1958   Wesolowski, Emie   NE   1995   24   1   2001   69   53   7   0   7   1     1958   Wesolowski, Emie   NE   1995   24   1   2001   69   53   7   0   7   1     1959   Palmer, Richard D. II.   1993   33   1   822   94   77   4   10   2   0     2   Fela, Joseph   NJ   1966   24   1   788   35   19   4   11   0   0     1958   Phillips, Dan   T.N/AL   1974   26   1   567   40   21   9   5   3   0     1951   Kruge, Len   IA   1971   15   0   4080   77   61   3   0   13   0     1951   Kruge, Len   IA   1971   15   0   4080   77   61   3   0   13   0     1951   Holland, George B., Jr. NY   1996   24   0   1038   25   0   1885   78   68   7   0   0   0     1964   Whatmough, Dave   ON   1994   13   0   1044   15   6   1   2   0   0     1965   Swearingen, Bulc   NY/CO   1996   38   0   1470   38   26   37   14   0   0   0     1967   Froemming, Gary   A	Year			Last			Total						
1998   Anderson, Roger A. VA/NY/PA   1993   105   28   1448   514   227   78   128   48   5   1946   Holbrook, Hank   MD   1993   103   26   2876   640   303   103   156   49   3   1933   Geary, Kermit   PA   1993   107   23   6190   598   512   243   147   61   2   2   1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3   3   4   1994   1950   Keriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   1996   Keriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   1996   Keriman, Alan   VA   1996   76   10   2733   441   208   126   91   6   0   1933   600   6	Started	DX'er	Location	Update	Ctries	Af	Veried	Foreign	NA	SA	Eur	Oc	As
1946   Holbrook, Hank   MD   1993   103   26   2876   640   303   103   156   49   3   1933   Geary, Kermit   PA   1993   107   23   6190   888   512   243   147   61   2   1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3   3   1958   Merriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   4   3933   4   4   4   208   126   91   6   0   0   0   0   0   0   0   0   0	1958	Dangerfield, Ben	PA	1996	126	33	426	331	85	44	151	8	10
1933   Geary, Kermit   PA   1993   107   23   6190   988   512   243   147   61   2     1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3     1958   Meriman, Alan   VA   1994   93   14   1615   368   212   47   88   3     1950   Krejny, Edward   OH   1996   76   10   2733   441   208   126   91   6   0     1933   Cooper, Ernest   NYMA   1980   79   6   4142   760   528   131   88   7   0     1950   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1     1952   McIntosh, Eric   NZ   1965   63   4   686   635   301   2   45   253   81     1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0     2   Calarman, John   7   1970   50   3   740   138   72   23   6   38   1   1     1962   Musco, Ron   CT   1997   44   2   1251   54   40   5   8   0   1     1958   Westolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1958   Westolowski, Ernie   NE   1995   24   1   738   35   19   4   11   0   0     1968   Westolowski, Ernie   NE   1995   24   1   738   35   19   4   11   0   0     1968   Westolowski, Ernie   NE   1995   24   1   738   35   19   4   11   0   0     1968   Westolowski, Ernie   NE   1995   24   1   738   35   19   4   11   0   0     1968   Westolowski, Ernie   NE   1995   24   1   738   35   19   4   11   0   0     1968   Scringeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26     2   Dellit, Sam   Australia   1978   37   1   362   218   109   0   5   80   23     1941   Knse, Len   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   37   1   2   2   8   1     1931   Wheeler, Frank   PA   1993   25   0   1885   78   68   7   1   2   0     1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   5   5   2   2     1964   Reynolds, Bruce   MO   1977   28   0   1103   121   111   6   2   2   0     1965   Kacet, Jeff   MD   1993   43   0   897   56   845   37   14   0   1     1977   Wolfish, Niel   ON   1977   11   0   397   20   14   4   2   0   0     1978   Reinfrey, Jim   NY   1996	1938	Anderson, Roger A.	VA/NY/PA	1993	105	28	1448	514	227	78	128	48	5
1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3   1958   Merriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   4   1995   76   10   2733   441   208   126   91   6   0   1933   Cooper, Ernest   NY-MA   1980   79   6   4142   760   528   131   88   7   0   1960   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1   1952   McIntosh, Eric   NZ   1965   63   4   686   635   301   2   45   253   81   1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0   2   2   2   2   2   2   2   3   2   2	1946	Holbrook, Hank	MD	1993	103	26	2876	640	303	103	156	49	3
1940   Morss, Stan   MA   1993   84   14   3922   424   218   65   221   1   3   1958   Metriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   1990   Kreiny, Edward   OH   1996   76   10   2733   441   208   120   91   6   0   0   1933   Cooper, Ernest   NY-MA   1980   79   6   4142   760   528   131   88   7   0   1960   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1   1952   McItosh, Eric   NZ   1995   63   4   686   695   301   2   45   253   81   1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0   2   2   2   2   2   2   2   2   3   3	1933	Geary, Kermit	PA	1993	107	23	6190	988	512	243	147	61	
1958   Merriman, Alan   VA   1994   93   14   1615   368   212   47   88   3   4   1990   Nrejny, Edward   OH   1996   76   10   2733   441   208   126   91   6   0   0   0   0   0   0   0   0   0		Morss, Stan	MA	1993	84	14	3922	424	218	65	221	1	3
1933   Cooper, Ernest   NY-MA   1980   79   6   4142   760   528   131   88   7   0     1960   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1     1952   McIntosh, Eric   NZ   1965   63   4   686   635   301   2   45   253   81     1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0     2   Callarman, John   ?   1970   50   3   740   138   72   20   17   20   6     3   Sampson, John   NJ   1965   54   3   445   72   23   6   38   1     1962   Musco, Ron   CT   1997   44   2   1251   54   40   5   8   0   1     1958   Wesolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1955   Palmer, Richard D.   II.   1993   33   1   822   94   77   4   10   2   0     1963   Scrimgeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26     2   Pela, Joseph   NJ   1965   36   0   3096   299   104   12   2   8   1     1931   Steele, Sid   II.   1996   36   0   3096   299   104   12   2   8   1     1931   Wheeler, Frank   PA   1993   25   0   1885   78   68   7   1   2   0     1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   3   5   2   2     1964   Whatmough, Dave   ON   1973   23   0   1049   142   102   4   3   33   0     1964   Whatmough, Dave   ON   1973   23   0   1049   142   102   4   3   33   0     1964   Whatmough, Dave   ON   1973   23   0   1049   142   102   4   3   33   0     1966   Samen, Pall (taped)   KS   1997   22   0   746   95   43   16   0   0   0     1966   Brunds, R. J. (taped)   NJ   1998   35   0   341   39   0   0   2   0     1966   Brunds, R. J. (taped)   NJ   1996   24   0   341   39   0   0   0   0     1966   Brunds, R. J. (taped)   NJ   1993   35   0   331   51   44   7   0   0     1976   Froemming, Gary   AZ   1994   17   0   338   92   85   7   0   1   0     1976   Edmunds, R. J. (taped)   NJ   1993   35   0   331   51   44   7   0   0   0     1976   Edmunds, R. J. (taper)   NJ   1994   7   0   266   13   10   3   0   0   0     1977   Sarefrey, Don   CA   1966   23   0   331   51   44   7   0   0	1958	Metriman, Alan	VA	1994	93	14	1615	368	212	47	88	3	
1960   Rugg, Andy   QC   1996   71   6   1705   208   87   48   66   0   1     1952   McIntosh, Eric   NZ   1965   63   4   686   635   301   2   45   253   81     1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0     2   Callarman, John   ?   1970   50   3   740   138   72   20   17   20   6     3   Sampson, John   NJ   1965   54   3   445   72   23   6   38   1   1     1962   Musco, Ron   CT   1997   44   2   1251   54   40   5   8   0   1     1958   Wesolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1955   Palmer, Richard D.   II   1993   33   1   822   94   77   4   10   2   0     3   Pela, Joseph   NJ   1965   24   1   738   35   19   4   11   0   0     1963   Scrimgeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26     3   Pollit, Sam   Australia   1978   37   1   362   218   109   0   5   80   23     1941   Kruse, Jen   IA   1971   15   0   4080   77   61   3   0   13   0     1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   3   5   2   2     1964   Reynolds, Bruce   MO   1977   28   0   1049   142   102   4   3   33   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1965   Kadet, Jeff   MD   1979   13   0   1014   15   6   1   2   6   0     1966   Bytheway, Phil   WA   1982   9   0   457   20   0   0   0   0     1966   Bytheway, Phil   WA   1982   9   0   457   20   0   0   0   0     1966   Bytheway, Phil   WA   1982   9   0   457   20   0   0   0   0     1966   Bruner, Isan   NJ   1996   24   0   24   0   24   0   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1966   Bruner, Jese R. KY   1966   23   0   24   0   24   11   112   0   0   6   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Rarck, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1977   10   10   10   0   0   0   0   0   0	1950	Krejny, Edward	OH	1996	76	10	2733	441	208	126	91	6	0
1952   McIntosh, Eric   NZ   1965   63   4   686   695   301   2   45   253   81     1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0     2   Callarman, John   ?   1970   50   3   740   138   72   20   17   20   6     3   Sampson, John   NJ   1965   54   3   445   72   23   6   38   1   1     1962   Musco, Ron   CT   1997   44   2   1251   54   40   5   8   0   1     1958   Wesolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1958   Wesolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1958   Palmer, Richard D.   II   1993   33   1   822   94   77   4   10   2   0     2   Pela, Joseph   NJ   1965   24   1   738   35   19   4   11   0   0     1958   Phillips, Dan   TN/AL   1974   26   1   567   40   21   9   5   3   0     1963   Scringeour, Gray   GA/ON   1971   47   1   526   440   354   10   18   31   26     2   Pellit, Sam   Australia   1978   37   1   362   218   109   0   5   80   23     1941   Kruse, Len   IA   1971   15   0   4080   77   61   3   0   13   0     1931   Wheeler, Frank   PA   1993   25   0   1885   78   68   7   1   2   0     1964   Reynolds, Bruce   MO   1977   28   0   1103   121   111   6   2   2   0     1964   Reynolds, Bruce   MO   1977   28   0   1103   121   111   6   2   2   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1965   Sader, Jeff   MD   1969   12   0   746   55   43   16   0   0   0     1966   Bytheway, Phil   WA   1982   9   0   457   20   0   0   0   0   0     1976   Renfrew, Jim   NY   1995   6   0   230   0   0   0   0   0     1976   Renfrew, Jim   NY   1995   6   0   230   25   22   2   0   0   0     1977   Safrike, Jane   NA/CA   1975   24   0   204   141   112   0   0   6   0     1978   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1	1933	Cooper, Ernest	NY-MA	1980	79	6	4142	760	528	131	88	7	0
1954   Starr, Jerry   OH   1974   51   3   1209   194   134   34   20   3   0	1960	Rugg, Andy	QC	1996	71	6	1705	208	87	48	66	0	1
?         Callarman, John         ?         1970         50         3         740         138         72         20         17         20         6           ?         Sampson, John         NJ         1966         54         3         445         72         23         6         38         1         1           1962         Musco, Ron         CT         1997         44         2         1251         54         40         5         8         0         1           1958         Wesolowski, Emie         NE         1995         24         1         2001         69         53         7         0         7         7         1         10         2         0         7         7         1         10         2         0         7         7         4         10         2         0         7         7         4         10         2         0         7         1         10         2         0         7         1         10         2         0         7         1         10         2         0         1         10         2         0         18         3         1         10         2	1952	McIntosh, Eric	ΝZ	1965	63	4	686	635	301	2	45	253	81
?         Sampson, John         NJ         1965         54         3         445         72         23         6         38         1         1           1962         Musco, Ron         CT         1997         44         2         1251         54         40         5         8         0         1           1958         Wesolowski, Emie         NE         1995         24         1         2001         69         53         7         0         7         1           1955         Palmer, Richard D.         IL         1993         33         1         822         94         77         4         10         2         0           ?         Pela, Joseph         NJ         1965         24         1         738         35         19         4         11         0         0           1963         Scringeour, Gray         CA/ON         1971         47         1         526         440         354         10         18         31         26           ?         Dellit, Sam         Australia         1978         37         1         362         218         109         0         5         80         23	1954	Starr, Jerry	OH	1974	51	3	1209	194	134	34	20	3	0
1962   Musco, Ron   CT   1997   44   2   1251   54   40   5   8   0   1     1958   Wesolowski, Ernie   NE   1995   24   1   2001   69   53   7   0   7   1     1955   Palmer, Richard D.   IL   1993   33   1   822   94   77   4   10   2   0     1958   Phillips, Dan   TN/AL   1974   26   1   567   40   21   9   5   3   0     1963   Scrimgeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26     1964   Dellit, Sam   Australia   1978   37   1   362   218   109   0   5   80   23     1941   Kruse, Len   IA   1971   15   0   4080   77   61   3   0   13   0     1931   Steele, Sid   II   1996   36   0   3096   299   104   12   2   8   1     1931   Wheeler, Frank   PA   1993   25   0   1885   78   68   7   1   2   0     1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   3   5   2   2     1964   Reynolds, Bruce   MO   1977   28   0   1103   121   111   6   2   2   0     1947   Luton, Relfe   NC   1973   23   0   1049   142   102   4   3   3   3   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1965   Edmunds, R. J. (taped)   NJ   1993   43   0   897   56   845   37   14   0   1     1931   Holland, George B., Jr.   NY   1996   22   0   885   58   46   5   5   2   1     1975   Swearingen, Paul (taped)   KS   1997   22   0   746   95   43   16   0   0   0     1968   Bytheway, Phil   WA   1982   9   0   442   9   8   0   0   1   0     1976   Froemming, Gary   AZ   1994   17   0   338   92   85   7   0   1   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1976   Barnek, Jesse R.   KY   1966   23   0   132   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0   0     1977   Bartek, Daniel, Jr.   NE   1976   2   0   23   0	?	Callarman, John	?	1970	50	3	740	138	72	20	17	20	6
1958   Wesolowski, Emie   NE   1995   24   1   2001   69   53   7   0   7   1   1   1   1   1   1   1   1   1	?	Sampson, John	NJ	1965	54	3	445	72	23	6	38	1	1
1955   Palmer, Richard D.   II.   1993   33   1   822   94   77   4   10   2   0	1962	Musco, Ron	CT	1997	44	2	1251	54	40	5	8	0	1
?         Fela, Joseph         NJ         1965         24         1         738         35         19         4         11         0         0           1958         Phillips, Dan         TN/AL         1974         26         1         567         40         21         9         5         3         0           1963         Scrimgeour, Gray         CA/ON         1971         47         1         566         40         21         9         5         3         0           ?         Dellit, Sam         Australia         1978         37         1         362         218         109         0         5         80         23           1941         Kruse, Len         IA         1971         15         0         4080         77         61         3         0         13         0           1931         Steele, Sid         IL         1996         36         0         3096         299         104         12         2         8         1           1931         Wheeler, Frank         PA         1993         25         0         1885         78         68         7         1         2         0	1958	Wesolowski, Ernie	NE	1995	24	1	2001	69	53	7	0	7	1
1958   Phillips, Dan   TN/AL   1974   26   1   567   40   21   9   5   3   0     1963   Scrimgeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26     Pollit, Sam   Australia   1978   37   1   362   218   109   0   5   80   23     1941   Kruse, Len   IA   1971   15   0   4080   77   61   3   0   13   0     1931   Steele, Sid   IL   1996   36   0   3096   299   104   12   2   8   1     1931   Wheeler, Frank   PA   1993   25   0   1885   78   68   7   1   2   0     1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   3   5   2   2     1964   Reynolds, Bruce   MO   1977   28   0   1103   121   111   6   2   2   0     1947   Luton, Relfe   NC   1973   23   0   1049   142   102   4   3   33   0     1964   Whatmough, Dave   ON   1994   13   0   1014   15   6   1   2   6   0     1962   Edmunds, R. J. (taped)   NJ   1993   43   0   897   56   845   37   14   0   1     1931   Holland, George B., Jr.   NY   1996   22   0   885   58   46   5   5   2   1     1975   Swearingen, Paul (taped)   KS   1997   22   0   746   95   43   16   0   0   0     1968   Bytheway, Phil   WA   1982   9   0   457   20   0   0   0   0   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1976   Renfrew, Jim   NY   1993   35   0   331   51   44   7   0   0   0     1976   Renfrew, Jim   NY   1995   6   0   230   25   22   2   0   0   0     1976   Bruner, Jesse R.   KY   1966   23   0   101   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0     1975   Bartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0     1977   Dartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0     1977   Dartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0     1977   Dartek, Daniel, Jr.   NE   1976   2   0   23   0   0   0   0   0   0     1977   Dartek, Daniel,	1955	Palmer, Richard D.	11.	1993	33	1	822	94	77	4	10	2	0
1963   Scrimgeour, Gray   CA/ON   1971   47   1   526   440   354   10   18   31   26	?	Fela, Joseph	NJ	1965	24	1	738	35	19	4	11	0	0
?         Dellit, Sam         Australia         1978         37         1         362         218         109         0         5         80         23           1941         Kruse, Len         IA         1971         15         0         4080         77         61         3         0         13         0           1931         Steele, Sid         II         1996         36         0         3096         299         104         12         2         8         1           1931         Wheeler, Frank         PA         1993         25         0         1885         78         68         7         1         2         0           1964         Heinen, Wayne         NY/CO         1996         38         0         1470         38         26         3         5         2         2           1964         Reprolds, Bruce         MO         1977         28         0         1103         121         111         6         2         2         0           1947         Luton, Relfe         NC         1973         23         0         1049         142         102         4         3         33         0	1958	Phillips, Dan	TN/AL	1974	26	1	567	40	21	9	5	3	0
1941         Kruse, Len         IA         1971         15         0         4080         77         61         3         0         13         0           1931         Steele, Sid         IL         1996         36         0         3096         299         104         12         2         8         1           1931         Wheeler, Frank         PA         1993         25         0         1885         78         68         7         1         2         0           1964         Heinen, Wayne         NY/CO         1996         38         0         1470         38         26         3         5         2         2           1964         Reynolds, Bruce         MO         1977         28         0         1103         121         111         6         2         2         0           1947         Luton, Relfe         NC         1973         23         0         1049         142         102         4         3         33         0           1944         Whatmough, Dave         ON         1994         13         0         1014         15         6         1         2         6         0 <td>1963</td> <td>Scrimgeour, Gray</td> <td>CA/ON</td> <td>1971</td> <td>47</td> <td>1</td> <td>526</td> <td>440</td> <td>354</td> <td>10</td> <td>18</td> <td>31</td> <td>26</td>	1963	Scrimgeour, Gray	CA/ON	1971	47	1	526	440	354	10	18	31	26
1931 Steele, Sid II. 1996 36 0 3096 299 104 12 2 8 1 1931 Wheeler, Frank PA 1993 25 0 1885 78 68 7 1 2 0 1964 Heinen, Wayne NY/CO 1996 38 0 1470 38 26 3 5 2 2 1964 Reynolds, Bruce MO 1977 28 0 1103 121 111 6 2 2 0 1947 Luton, Relfe NC 1973 23 0 1049 142 102 4 3 33 0 1964 Whatmough, Dave ON 1994 13 0 1014 15 6 1 2 6 0 1962 Edmunds, R. J. (taped) NJ 1993 43 0 897 56 845 37 14 0 1 1931 Holland, George B., Jr. NY 1996 22 0 885 58 46 5 5 2 1 1975 Swearingen, Paul (taped) KS 1997 22 0 746 95 43 16 0 0 0 1965 Kadet, Jeff MD 1969 12 0 703 41 39 0 0 2 0 1966 Sorensen, Morris ON/MB 1975 13 0 537 385 375 1 9 0 0 1968 Bytheway, Phil WA 1982 9 0 457 20 0 0 0 0 0 1976 Froemming, Gary AZ 1994 17 0 338 92 85 7 0 1 0 1976 Froemming, Gary AZ 1994 17 0 338 92 85 7 0 1 0 1976 Renfrew, Jim NY 1993 35 0 331 51 44 7 0 0 0 1976 Renfrew, Jim NY 1993 35 0 331 51 44 7 0 0 0 1973 Mount, Paul NJ 1995 6 0 230 25 22 2 0 0 0 1966 Bruner, Jesse R. KY 1966 23 0 132 27 17 3 5 2 0 1966 Bruner, Jesse R. KY 1966 23 0 132 27 17 3 5 2 0 1965 Long, John CT 1968 29 0 101 0 0 0 0 0 0 1975 Bartek, Daniel, Jr. NE 1976 2 0 23 0 0 0 0 0 0 0	?	Dellit, Sam	Australia	1978	37	1	362	218	109	0	5	80	23
1931 Wheeler, Frank PA 1993 25 0 1885 78 68 7 1 2 0 1964 Heinen, Wayne NY/CO 1996 38 0 1470 38 26 3 5 2 2 1964 Reynolds, Bruce MO 1977 28 0 1103 121 111 6 2 2 2 0 1947 Luton, Relfe NC 1973 23 0 1049 142 102 4 3 33 0 1964 Whatmough, Dave ON 1994 13 0 1014 15 6 1 2 6 0 1962 Edmunds, R. J. (taped) NJ 1993 43 0 897 56 845 37 14 0 1 1931 Holland, George B., Jr. NY 1996 22 0 885 58 46 5 5 2 1 1975 Swearingen, Paul (taped) KS 1997 22 0 746 95 43 16 0 0 0 0 1965 Kadet, Jeff MD 1969 12 0 703 41 39 0 0 2 0 1966 Sorensen, Morris ON/MB 1975 13 0 537 385 375 1 9 0 0 0 1968 Bytheway, Phil WA 1982 9 0 457 20 0 0 0 0 0 0 0 1977 Wolfish, Niel ON 1977 11 0 397 20 14 4 2 0 0 1976 Froemming, Gary AZ 1994 17 0 338 92 85 7 0 1 0 1976 Renfrew, Jim NY 1993 35 0 331 51 44 7 0 0 0 1976 Renfrew, Jim NY 1993 35 0 331 51 44 7 0 0 0 1973 Mount, Paul NJ 1995 6 0 230 25 22 2 0 0 0 0 0 1969 Karchevski, Bob MA/CA 1975 24 0 204 141 1112 0 0 6 0 1966 Bruner, Jesse R. KY 1966 23 0 132 27 17 3 5 2 0 0 1976 Dong, John CT 1968 29 0 101 0 0 0 0 0 0 0 0 1975 Bartek, Daniel, Jr. NE 1976 2 0 23 0 0 0 0 0 0 0 0 0	1941	Kruse, Len	IA	1971	15	0	4080	77	61	3	0	13	0
1964   Heinen, Wayne   NY/CO   1996   38   0   1470   38   26   3   5   2   2	1931	Steele, Sid	П	1996	36	0	3096	299	104	12	2	8	1
1964         Reynolds, Bruce         MO         1977         28         0         1103         121         111         6         2         2         0           1947         Luton, Relfe         NC         1973         23         0         1049         142         102         4         3         33         0           1964         Whatmough, Dave         ON         1994         13         0         1014         15         6         1         2         6         0           1962         Edmunds, R. J. (taped)         NJ         1993         43         0         897         56         845         37         14         0         1           1931         Holland, George B., Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0         1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0	1931	Wheeler, Frank	PA	1993	25	0	1885	78	68	7	1	2	0
1947         Luton, Relfe         NC         1973         23         0         1049         142         102         4         3         33         0           1964         Whatmough, Dave         ON         1994         13         0         1014         15         6         1         2         6         0           1962         Edmunds, R. J. (taped)         NJ         1993         43         0         897         56         845         37         14         0         1           1931         Holland, George B., Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0         1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0         1966         Sadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0         1966	1964	Heinen, Wayne	NY/CO	1996	38	0	1470	38	26	3	5	2	2
1964         Whatmough, Dave         ON         1994         13         0         1014         15         6         1         2         6         0           1962         Edmunds, R. J. (taped)         NJ         1993         43         0         897         56         845         37         14         0         1           1931         Holland, George B. Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0         0         1966         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0         1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         0	1964	Reynolds, Bruce	MO	1977	28	0	1103	121	111	6	2	2	
1962         Edmunds, R. J. (taped)         NJ         1993         43         0         897         56         845         37         14         0         1           1931         Holland, George B., Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0         0         1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0         1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	1947	Luton, Relfe	NC	1973	23	0	1049	142	102	4	3	33	0
1931         Holland, George B., Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0           1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0           1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         1968         Bytheway, Phil         WA         1982         9         0         457         20         0	1964	Whatmough, Dave	ON	1994	13	0	1014	15	6	1	2	6	0
1931         Holland, George B., Jr.         NY         1996         22         0         885         58         46         5         5         2         1           1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0           1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0           1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0         1968         Bytheway, Phil         WA         1982         9         0         457         20         0			i) NJ	1993	43	0	897	56	845	37	14	0	1
1975         Swearingen, Paul (taped)         KS         1997         22         0         746         95         43         16         0         0         0           1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0           1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0           1968         Bytheway, Phil         WA         1982         9         0         457         20         0	1931			1996	22	0	885	58	46	5	5	2	1
1965         Kadet, Jeff         MD         1969         12         0         703         41         39         0         0         2         0           1964         Sorensen, Morris         ON/MB         1975         13         0         537         385         375         1         9         0         0           1968         Bytheway, Phil         WA         1982         9         0         457         20         0		Swearingen, Paul (tap	ed) KS	1997	22	0	746	95	43	16	0	0	0
1968         Bytheway, Phil         WA         1982         9         0         457         20         0         0         0         0           ?         Erickson, Don         CA         1982         6         0         442         9         8         0         0         1         0           1977         Wolfish, Niel         ON         1977         11         0         397         20         14         4         2         0         0           1976         Froenming, Gary         AZ         1994         17         0         338         92         85         7         0         1         0           1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0         0         0           1962         Edmunds, R. J. (paper)         NJ         1994         7         0         266         13         10         3         0         0         0           1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0           1966		•		1969	12	0	703	41	39	0	0	2	0
?         Erickson, Don         CA         1982         6         0         442         9         8         0         0         1         0           1977         Wolfish, Niel         ON         1977         11         0         397         20         14         4         2         0         0           1976         Froemming, Gary         AZ         1994         17         0         338         92         85         7         0         1         0           1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0	1964	Sorensen, Morris	ON/MB	1975	13	0	537	385	375	1	9	0	0
1977         Wolfish, Niel         ON         1977         11         0         397         20         14         4         2         0         0           1976         Froemming, Gary         AZ         1994         17         0         338         92         85         7         0         1         0           1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0         0         0           1962         Edmunds, R. J. (paper)         NJ         1994         7         0         266         13         10         3         0         0         0           1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0           1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0 <td>1968</td> <td>Bytheway, Phil</td> <td>WA</td> <td>1982</td> <td>9</td> <td>0</td> <td>457</td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	1968	Bytheway, Phil	WA	1982	9	0	457	20	0	0	0	0	0
1976         Froemming, Gary         AZ         1994         17         0         338         92         85         7         0         1         0           1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0         0         0         1962         Edmunds, R. J. (paper)         NJ         1994         7         0         266         13         10         3         0         0         0         0         1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0         0         1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0         1969         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0         1969         1976         2         0         101         0         0         0         0         0         0         0         0         0         0         0         0	?	Erickson, Don	CA	1982	6	0	442	9	8	0	0	1	0
1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0         0         0           1962         Edmunds, R. J. (paper)         NJ         1994         7         0         266         13         10         3         0         0         0           1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0           1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0         0         0         0         0           1975         Bartek, Daniel, Jr.         NE         1976         2         0         23         0         0         0         0         0         0	1977	Wolfish, Niel	ON	1977	11	0	397	20	14	4	2	0	0
1976         Renfrew, Jim         NY         1993         35         0         331         51         44         7         0         0         0           1962         Edmunds, R. J. (paper)         NJ         1994         7         0         266         13         10         3         0         0         0           1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0           1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0         0         0         0         0         0           1975         Bartek, Daniel, Jr.         NE         1976         2         0         23         0         0         0         0         0         0         0	1976	Froemming, Gary	AZ	1994	17	0	338	92	85	7	0	1	0
1973         Mount, Paul         NJ         1995         6         0         230         25         22         2         0         0         0           1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0         0         0         0         0         0           1975         Bartek, Daniel, Jr.         NE         1976         2         0         23         0         0         0         0         0         0	1976		NY	1993	35	0	331	51	44	7	0	0	0
1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0         0         0         0         0           1975         Bartek, Daniel, Jr.         NE         1976         2         0         23         0         0         0         0         0	1962	Edmunds, R. J. (paper	r) NJ	1994	7	0	266	13	10	3	0	0	0
1969         Karchevski, Bob         MA/CA         1975         24         0         204         141         112         0         0         6         0           1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0         0         0         0         0         0           1975         Bartek, Daniel, Jr.         NE         1976         2         0         23         0         0         0         0         0         0	1973	Mount, Paul	NJ	1995	6	0	230	25	22	2	0	0	0
1966         Bruner, Jesse R.         KY         1966         23         0         132         27         17         3         5         2         0           1965         Long, John         CT         1968         29         0         101         0	1969	Karchevski, Bob	MA/CA	1975	24	0	204	141	112	0	0	6	0
1965         Long, John         CT         1968         29         0         101         0	1966	Bruner, Jesse R.		1966	23	0	132	27	17	3	5	2	0
1975 Bartek, Daniel, Jr. NE 1976 2 0 23 0 0 0 0 0 0	1965	-	CT	1968		0	101	0	0				
	1975		NE	1976	2	0	23	0	0	0	0	0	0
? Falconer, Jeff ON 1976 49 0 0 1175 0 44 0 0 0			ON	1976	49	0		1175	0	44			
1960 Lynch, Don MA 1980 9 0 0 157 0 0 0 0	1960		MA	1980	9	0	0		0	0	0	0	

No updates again; second time in a row! Now's the time to review your totals and, if you haven't done so in the last couple of years, send me an update, even if it's only a guesstimate. Remember, only taped or paper veries are counted, and mainland U. S. and Canadians are not included in NA totals. Include your best catch from each continent and all other totals when reporting. Our next column will feature European totals.

## Geomagnetic Phil Bytheway philip\_bytheway@mukilteo.hac.com Summary

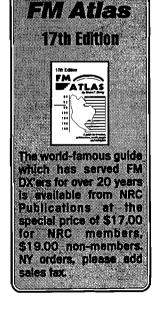
9705 Mary NW Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

Geomag						October 21 1997
				netic activity		cap absorption
			jor flar		SA - Solar A	
			ijor sto			e proton event
			nor sto		ss - severe s	
<u>Date</u>	<u>FLUX</u>	<u>A</u>	<u>K</u>	<u>SA</u>	<u>GEO</u>	<u>OTHER</u>
8/29	92	12	1	moderate	quiet-active	-
30	92	9	1	low	quiet-active	-
31	96	4	2	low	quiet	-
9/1	93	4	1	very low	quiet-unsettled	-
2	92	2	2	moderate	quiet	-
3	93	16	5	low	quiet-mis	-
4	93	14	1	very low	quiet-unsettled	-
5	96	4	2	low	quiet	-
6	98	9	0	low	quiet-unsettled	-
7	102	3	0	low	quiet	-
8	119	10	2	moderate	quiet-active	No.
9	116	14	3	low	quiet-active	W
10	115	16	3	low	unsettled-active	17
11	109	7 .	4	low	quiet-active	WIVI
12	109	13	3	low	quiet-unsettled	
13	108	9	2e	low	quiet-unsettled	and the
14	z	z	z	z	z	
15	98	9	3	low	quiet-unsettled	
16	95	6	1	low	quiet-unsettled	
17	z	8	4	moderate	quiet-active	
18	88	16	2	low	quiet-mis	
19	88	3	1	low	quiet	<b>Bruce</b>
20	88	5	1	low	quiet-unsettled	
21	85	11	4	low	quiet-active	EL.
22	89	8	1	low	quiet-active	1.11.7
23	92	3	1	low-mod	quiet	
24	93	3	ō	high	quiet	17th
9/25	89	1	Ö	low	quiet	
	26-10/2 ບ	_	_		quiet	
10/3	86	7	1	very low	quiet-unsettled	17h Ede FM
4	82	3	0	very low	quiet	
5	z	z	z	z	Z	"V
6	84	3	1	very low	quiet-unsettled	
7	84	6	1	very low	quiet-unsettled	114
8	83	12	4	very low	quiet-active	100
9	84	19	3	very low	quiet-mis	
10	84	22	6	very low	quiet-mas	The world-
11	86	24	1	very low	quiet-mas	
12	89	5	2	very low	quiet-unsettled	which has
13				•	-	DX'ers for
13	z	z	z z	z	z z	is availab
15	z 87	z 2	0	z very low	quiet	Publication
16	88	2	0		<b>.</b> .	special pri
				very low	quiet	for NRC
17	88 87	1e	1 0	very low	quiet	\$19.00 n
18		2		very low	quiet	
19	Z	Z	Z	Z	Z	NY orders
20	83	5	1	very low	quiet-active	sales fax.
10/21	85	1	2	low	quiet	



**Bruce Eving's** 



### "WOR -- Part Three"

#### By John D. Bowker

(The tape is rolling ... ready for cue ... and the golden voice of John Bowker comes out of the speaker ...)

And now, Historical Moments in Radio .. a collection of stories about the development of broadcasting on the a.m. radio dial .. and today I have some terrific new stories about the early and middle-years of WOR in New York. In earlier installments we talked about the station's early years in Newark and the start of the John Gambling morning shows.

And then we traced that fantastic story about tracking the lost dirigible, the Shenandoah by having listeners phone into WOR when they could hear the craft's engines overhear, and providing the captain with enough information right from the WOR broadcast to let him get his bearings and to land safely with no loss of life.

Today we'll take another look at the early formative years with plans to cover the 1920s, 1930s and 1940s on separate editions of this column.

First of all, however, I was impressed this month to receive a photograph of the radio department of the Bamberger Department Store in Newark taken in 1922. The sales area is large with regular glass show cases full of radios of all sorts .. the room is well lighted and uncluttered as you would expect of a department store .. and along one wall is a desk with a curtain next to it and a man standing by the display cases, and a sign proclaiming "L. Bamberger and Company Broadcasting Station, Call Letters WOR, Wavelength 355 Meters. The caption on this photo reads, "WOR's first studio with Chief Engineer J.R. Poppele shown at right".

The next clipping I have is from the minutes of a meeting held in April, 1923, at the Board Room of the Bamberger Store in Newark. The Chairman of the Board read the following statement addressed to Mr. Jack Poppele (pronounced Puh-PELL-ee):

Mr. Poppele, it is the consensus of the Board of Directors that we have received all of the value that we possibly can from WOR at this point. We consider the twenty thousand dollars invested in the station since our starting point one year ago to have been a worthwhile advertising venture for our radio department. It has been an interesting experiment, but we don't see much of a future for WOR and we agree that, at this point, the best thing to do is to turn back our license to the Government. Is there anything that you would like to say?" I won't quote from the entire response but Mr. Jack Poppele made the point that WOR was a medium for talking to people and he asked if that wasn't a valuable service to be tied to the Bamberger Store. Note that even then, none of the participants foresaw radio as an important advertising medium. In all, Jack must have convinced them to change their minds because, this past February 23rd, WOR celebrated its 75th year of continuous broadcasting in the New York metropolitan area.

Poppele had been with the station right from the start. Well, in fact, Poppele WAS the station right from the start. It seems the Bamberger Public Relations Director Walter Mohler had come up with the idea of trying out a radio station as a promotional gimmick for the store to help sell the new wireless radio sets they stocked. So an opening was created on the staff just in time for Jack Poppele, and ex-Navy wireless operator, to come walking in looking for job in their radio department. That was in January 1922.

After thoroughly planning WHAT they would set up as a broadcasting stations, and WHERE they would have it, Their next step was to climb aboard a train bound for Washington at 8 a.m. on February 20, 1922. Jack and his associate Orville Orvis went immediately to the Department of Commerce building there and, by the time they took their seats on the return train at 4 p.m., they had a license in hand for a 250-Watt radio station to operate at 360 Meters.

The next day in Newark a surplus World War I transmitter was connected to a temporary antenna system and on February 22, 1922, WOR signed on the air. The first sound heard on the new station? A recording of Al Jolson's "April Showers".

Poppele and Orvis had their hands full keeping the old radio equipment working and playing studio engineers all at the same time. They hired Karl Egge as the announcer; Karl slept there, ate there, and lived there according to Poppele's notes. Lee DeForest came over on occasion to help keep the transmitter adjusted properly. WOR would sign on each morning for a couple of hours, then take a break until noon .. another two hours, then a break until evening. In between times, the three man staff worked behind the counter selling radio receivers for L. Bamberger and Company.

On April 6, 1922 .. now that's over a full month after the first broadcasts were put on the air .. the transmitter was moved up to the roof of that store. By the end of 1922, two 65-foot masts had been installed in a nearby field with an eight-wire antenna strung between those towers. Now the station could be heard in Brooklyn, Staten Island and even way down in Atlantic City.

So, what did they broadcast? At first it was educational and informative talks .. story-telling for

children and other creative works cooked up by the staff on short notice. The first radio personality on WOR was Jessie Koewing who did a daily program of jokes and anecdotes. Another part-timer talked a local newspaper into printing a puzzle in the paper that children would be able to solve by listening to her program.

In October 1922, WOR made an arrangement with the British Broadcasting Corporation and, with Paul Whiteman's orchestra in the WOR studios in Newark, the signal was picked up by the BBC and rebroadcast to their European audience. WOR ended 1922 with another first. Since so many people would be receiving new radio receivers for Christmas, Poppele talked the Bamberger's management into letting them come into the closed building on Christmas Day and put WOR on the air. Remarkable idea! And who do you think was willing to give up Christmas cheer at home? Just one person -- Jack Poppele.

...and the rest is history. This is John Bowker. (The tape stops. Silence, and lights off.)

# Musings

Dave Schmidt midatlrad@aol.com P. O. Box 11502 Wilmington, DE 19850-1502

Of the Members

Times are local per Muse; submit double-spaced only.

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Bob Foxworth, 12417 Berkeley Sq. Dr., Tampa FL 33626 << bob@fortresstech.com >>

Time to check in again. Please add me to the e-mail list, (Did you send your address to Paul Mount, prmount@attmail.com? -pls) Our company is Fortress Technologies and is a name change from the former DSN. Last time, I wrote about the DX-375 problems around 1700 kHz and, shortly afterwards, found that the 1700 kHz image (RHC) was from Havana-6000 in EE and the 1710 kHz signal in SS was from Marti-6030, some sort of 3 x conversion problem around what must be the first IF in the 6 MHz range (the radio skips 6250 to about 7100). I could also hear 5910 on 1670 faintly. I've been doing some DXing with the DX-390 and the unpowered Radio West ferrite loop (from the '70s) coupling into the rx's own ferrite, have heard several Euro LW signals, best being 162 and 207 fair at 0030 LT with LW coil. The set is really not good enough to pick off most splits. Back in March I heard Kuwait-1548 on it at xmtr LSR, fair a few times, by tuning to 1547 and using "narrow" bandwidth. This is not a real DX radio. Was there an auroral activity evenings of 10/26 and 10/27? Even here in central FL, many freqs sounded like they do from the NY area in early evening, when there is a major aurora, being mostly a jumble of hets and covered with several SS, and there's a lot of SS heard even on stable nights, but the signals on non-au nights are much cleaner, for example 880 might be an even mix of WCBS and Progreso but on the 27th, 1 couldn't ID either one clearly. Now that the internet is available, it might be possible to do simultaneous DXing from widely separated locations during major auroras. Is there a southerly point, below which the aurora is not apparent on MW? I did not expect to hear apparent aurora this far south. When I get back to Jupiter, FL I'll check the reported 1000 operation. Buffalo K and his able sidekick sent me the revised coords for their operation and with GPS I easily found them, near Center St where it meets Indiantown Rd in Jupiter. There were two guyed towers in a field. They looked to be unmaintained and probably 10 years old; the doghouses were covered with brush and the tuning coil shed at the tower bases rusted out. However one tower had several satellite dishes on it, and there was a/c operating inside one doghouse (leased downlink for someone). I was there at the end of August and did not note them during daytime tuning around. There was a CP for a WJTS-1000 years ago and this must be the remnants of that. Another interesting event was WJNO-1230 in WPB taking over 1040 and the Boynton Beach (I believe) operation going to 1230 and becoming WINA with e/l mx. This switch took place over Labor Day weekend and was headlined in the Palm Beach Post that weekend. I never saw any advance notice in DX News about this. Apparently stations can move around like this with no advance CP publicity? I got the impression that WJNO, a well-rated talk/news operation, is getting a substantial power increase from being on 1040 and probably bought out the other station's frequency rights. We have a 1040 sports local in the Tampa area, but in late afternoon in Pasco county, just 15 miles north of here, WJNO covers them, at least the few times I've been able to check. WJNO is still simulcast on WJNX-1330. 73, Bob



A compilation of DXpeditions from around the world at the bottom of the sunspot cycle. Edited by Mark Connelley, Bruce Conti, and Chuck Hutton. 8x11", 130 pages. For NRC members: \$8.95; others, \$10.95, both post-paid; to Europe, U\$15.95; Asia U\$17.95 post-paid via air mall. Order product code SDP from NRC Publications - Box AUTUMN 1898 164 - Mannsville, NY 13661. NY orders, please add sales tax.