News Serving DX'ers since 1933

Volume 61, No. 1 - October 4, 1993 (ISSN 0737-1659)



Inside...

3 .. AM Switch

4 .. DDXD

8 .. Now and Then

12 .. IDXD

18 .. Formats

20 .. Musings

23 .. FRG IF Filter Update

| CPC Test Calendar | | | |
|-------------------|-------|---------------|-----------------|
| Call | Freq. | <u>Date</u> | <u>EDT Time</u> |
| WMAM | 570 | Oct. 4, 1993 | 0230-0300 |
| WOI | 640 | Oct. 4, 1993 | 0300-0330 |
| KRZN | 760 | Oct. 4, 1993 | 0300-0500 |
| WELC | 1150 | Oct. 11, 1993 | 0001-0030 |
| KGNM | 1270 | Oct. 11, 1993 | 0100-0130 |
| KVON | 1440 | Oct. 11, 1993 | 0300-0330 |
| KSOK | 1280 | Oct. 11, 1993 | 0400-0500 |
| WCSI | 1010 | Oct. 12, 1993 | 0200-0300 |
| WTRP | 620 | Oct. 17, 1993 | 0000-0030 |
| KYUK | 640 | Oct. 17, 1993 | 0400-0500 |
| WAGL | 1560 | Oct. 18, 1993 | 0300-0330 |
| WYLS | 670 | Oct. 23, 1993 | 0100-0130 |
| WRCA | 1330 | Oct. 25, 1993 | 0130-0200 |
| KATL | 770 | Oct. 24, 1993 | 0330-0400 |
| wssh | 1510 | Nov. 1, 1993 | EST 0300-0400 |

WOI-640-IowaState University, Communcations Building - Ames, IA 50011-3241 was to have conducted a DX test Monday, Oct. 4, between 3:00 and 3:30 am EDT. The test was to include Morse code and numerous voice ID's. Reception reports may be sent to Mr. David J. Knippel (WDOGAD), Chief Engineer. Arranged by J. D. Stephens for the the IRCA CPC.

KŘZN-760 - Denver, CO was to have conducted a DX test Monday, Oct. 4, between 3:00 and 5:00 am EDT. The test was to have included Morse code and numerous voice ID's, at a power of 50 kW. Reception reports may be sent to Mr. Bill Harris, Chief Engineer, only to his business address of E & B Services - 2950 S. Birch St. - Denver, CO 80222. Arranged by J. D. Stephens for the the IRCA CPC.

WELC-1150-P.O. Box 949 - Welch, WV 24801 will conduct a DX test Monday, Oct. 11, between 12:01 and 12:30 am EDT. The test will include Morse code, voice ID's, and an unspecified selection of music. Receptions reports may be sent to Mr. John Sidote (N8PRR), Chief Operator. Arranged by J. D. Stephens (early to the IRCA CPC)

for the the IRCA CPC.

KVON-1440 - 1124 Foster Road - Napa, CA 94558 will conduct a DX test Monday, Oct. 11, between 3:00 and 3:30 am EDT. The test will include Morse code, tones, and voice ID's. telephone calls will be accepted during the test at (707) 224-1801; NO collect calls. Reception reports may be sent to Mr. Michael Martindale (KB6RQH), Director of Engineering.

Arranged by J. D. Stephens for the the IRCA CPC.
KSOK-1280 - P. O. Box 917 - Arkansas City, KS
67005 will conduct a DX test Monday, Oct. 11 between 4:00 and 5:00 EDT. The test will include Morse
code. Reception reports may be sent to Mr. David
Foster (NOKAT). Arranged by J. D. Stephens for the

From the Publisher ... Previous NRC contests have resulted in a low number of contestants, and the NRC Board of Directors does not see any point in running listening contests for just five or six participants. Therefore, the have decided to try something a bit different: multiple contests, with multiple contest coordinators. We have one assistant coordinator and could use two or three more if you would like to help (contact Ken Chatterton at the above address). Contests are open to all members, except that no coordinator may enter a contest that he/she may be scoring.

We are still open to ideas, if not for this year, then the next. The coming season may well determine if

the contests will be continued or not.

#1-CPC Contest. Log the most CPC tests (either NRC's or IRCA's). 1 point per station. Most points wind \$5 certificate good toward any NRC product or subscription. Runs: Oct. 1, 1993 to Mr. 31, 1994.

#2-Alphabet Contest. The last letter of the call counts, running from A to Z. First alphabet run must be complete before second run will count. 1 point for

(continued on page two)

DX Time Machine

From the pages of DX News:

50 years ago ... from the Oct. 2, 1943 DXN: Lloyd Staples, Miami, FL, a pilot for Pan American Airways, had just returned from Brazil and reported that he heard a station in Natal on 1420 kcs., WSMS, "Servicemen's Station", that played jazz music for U. S. servicemen stationed there.

25 years ago ... from the September 14, 1964 DXN: Citing conflicting demands from publishing DXN and the NRC, his job, and his marriage, John Callarman stepped down as NRC publisher and executive secretary. A merger with IRCA in December was also proposed.

10 years ago ... from the October 10, 1983 DXN: Ernest Cooper was in the hospital with chest pains ... The NRC 50th anniversary commemorative book went on sale for \$11.

#3 - Alphabet Contest. Same as #2 except that it runs Jan. 16, 1994 to Mar. 31, 1994, and you cannot use any station in contest #3 that was used in contest

#4-Ten Day Spree. Choose any ten (10) consecutivedays during the month of October, 1993. Loggings count 1 point for a clear channel station, 2 points for aregional channel station, 3 points for a local channel station. Most points wins \$3 certificate. You pick the 10 consecutive days, and you do not need loggings

#5 - Same as #4 except during December 1993. #6 – Same as #4 except during January 1994.

#7 - Same as #4 except during February 1994. #8-Canada Special for Canadian members only. Log U. S. stations only, but stations in any state

bordering your province cannot count. A clear channel station counts 1 point, regional channel station counts 2 points, and a local channel station counts 3 points (consult the NRC AM Radio Log as to which channels are clear, regional, or local). Runs Oct. 1, 1993 to Jan. 31, 1994. Prize: \$5 certificate.

General Rules: Entrants, please drop us a postcard to let us know of your intent to enter. Each contest report is due at Box 164, Mannsville, NY 13661 ten days after the closing date of that particular contest. If postmarked within seven (7) days, we will allow for slow postal delivery. To count a station you must list call, city, frequency, date, and time of logging. You should note enough material to identify the station if you are asked. We may ask winners for info on some loggings. The decision of the judges will be final. Winners will be announced in DX News as soon as possible after a contest closes.

Bandscans Enc Bueneman

... 3-16, 14-17, 24-26, 27-32

| Volume Sixty Index |
|---|
| (This annual event lists items in Vol. |
| 60 which are not regular, weekly col- |
| umns. Some titles are generic; numbers |
| refer to number of issue-page; omissions |
| and other errors are moderately regret- |
| ted, as compiling this is a moderate pain |
| but necessary -pls) |
| Station Lists |
| |

| Station Lists | |
|---|---|
| Professional Sports Networks Ban | y |
| S. Finkel 6-19, 22-3 | |
| Frequency checks Mike Sanbum 8-2 | 3 |
| Metropolitan Opera Barry Finkel 14-1 | 4 |
| Silent Stations R. J.Edmunds 1-1 Antennas | 3 |
| Quantum Loop Upgrades Genry Thomas 29-2 | 4 |
| SuperMWDY'S Phasing Unit Mark Connelly 29.3 | |

| Super-MWDX-5 Pha | using UnitMark Connelly. 29-28 |
|--------------------|--------------------------------|
| | s Mark Connelly 1-15 |
| | 5-1 |
| KIWA Loop Cra | ig Siegenthaler 24-47 |
| | 2-2 |
| | |
| Drake R8: A Second | Look Dallas Lankford 4-10 |
| Dealer DS MW Atter | unter Dallas Lankford 4-14 |

| Drake no Mw Attenuator Datas Latinotu | |
|--|-------|
| Drake R8: A Third Look Dallas Lankford | 10-10 |
| Superadio IIIGeny Thomas | 14-17 |
| NRD-525 AM AGC Mod 2 Dallas Lankford . | |
| Delco AMAX | 16-12 |
| RBDS | 16-12 |
| IBOC AM/FM tests | 16-13 |
| NRD-525 Review | 18-15 |
| Denon TLI-680 NAB | 27-4 |

| Denon TU-680 NAB | 41 |
|--|----|
| NRD-525 Filter Leakage Dallas Lankford . 26- | 37 |
| R8: Increased Dynamics Dallas Lankford . 27- | 36 |

| Publications |
|---|
| Sony ICF-2001D Steve Whitt 2-: |
| Proceedings 1992 |
| Radio Stations in the U. K |
| Radio Sheet |
| Guide to SW Programs K. Shanmugam 14- |
| Review of Forec. Software J.d'Avignon 14- |
| WNEW History24-4 |
| IRCA Almanac Bill Hardy |
| Radio San Diego |
| Towards on Target |
| Propagation |
| Geomagnetic Summary Phil Bytheway |
| |

| 1 0 | |
|-----------------------------------|--|
| Geomagnetic Summary Phil Bytheway | |
| 14-16, 18-14, 26-35, 29-26 | |
| Domestic | |

| Digital broadcasting | j |
|--|---|
| Building the Broadcast Band Thomas H. | |
| White 3-18, 4-15, 7-15, 6-21, 7-20 | |
| CKON 4-22 | 2 |
| Homestead radio 4-22 | 2 |
| BCB Station Pioneers By StateThomas H. | |
| | |

| White | |
|--------------------------------|--|
| WREN | 8-20 |
| KIIN | 8-20 |
| Ken Garland, WPEN | |
| | |
| WNDE | 12-23 |
| Al "Jazzbeaux" Collin | s12-23 |
| | 14-11 |
| Expanded Band | |
| | 15-18 |
| WKTX | 15-19 |
| AM SoundTe | d Alexander 15-19 |
| WCBG | |
| KIOA | 19-12 |
| Nantucket TIS | |
| | lips Dave Schmidt 19-20 |
| Three-Letter Call Sig | ns Thomas H. White 20-17 |
| White | |
| KNHN | |
| | 23-11 |
| | |
| Pioneer Stations in t White | he U.S Thomas H. 23-14 |
| More AM History in | WashingtonPerry F. Crabill, Jr. 24-29 |
| WWRC | 24-31 |
| WKDL | 24-32 |
| WETA-FM | 24-32 |
| | |

| KUN | |
|--|--|
| Ken Garland, WPEN10-18 | DDXA Donald Enckson |
| Dan Henry, WDAF 11-19 | |
| WNDE 12-23 | IDXA Daniel Bartek, Ir |
| Al "Jazzbeaux" Collins | |
| WOEW 14-11 | Paul Swearingen |
| Expanded Band 14-19 | 24-27, 27-25, 29-27 |
| WHI.P | Tower Tip John D. Bowker |
| WKTX 15-19 | |
| AM Sound Ted Alexander 15-19 | |
| WCBG 17-1 | DEIOIL, W1 2-23 |
| KIOA | WLEW-1340 8-17 |
| Nantucket TIS 19-17 | |
| Satellite Service DX Tips Dave Schmidt 19-20 | WBNS 24-23 |
| Three-Letter Call Signs Thomas H. White 20-17 | Radio Waves Laura McCusker3-17 |
| | Radio Roundup . Pete Kemp1-20, 7-20, 15-14 |
| Washington AM Call Letters Thomas H. | The Answer Man R. J. Edmunds 16-20 |
| White | Contests Rick Dau 2-19, 18-21, 24-19, 27-31 |
| KNHN | Verification Signers Wayne Heinen |
| KFAU 23-11 | 1-12, 6-13, 16-11, 22-11, 24-25 |
| WVCH test results | Now and Then John D. Bowker |
| Pioneer Stations in the U.S Thomas H. | |
| White 23-14 | |
| More AM History in WashingtonPerry F. Crabill, Jr. | Boston 10-14 |
| 24-29 | San Francisco 11-3 |
| WWRC 24-31 | |
| WKDL24-32 | Denver 14-7 |
| WETA-FM | Tampa/St.Pete . 15-13 |
| Duopoly Ruling 26-12 | St. Louis 16-3 |
| Foreign | |
| Radio Vozrozhdenije | New Orleans 18-23 |
| IDXD Loggings, V59 Jim Renfrew 3-11 | Portland, OR 19-15 |
| R Ennoullo César Objio | San Antonio 20-13 |
| Voice of Peace 8-20 | |
| U. S. Radio in Somala 14-19 | |
| | |
| R Anulles 14-19 | Orlando 24-3 |
| Virgin Radio 1215 Andy Ridgway24-44 | |
| NRC Fable 1-1 | Miami 26-5 |
| NRC | Sacramento 27-28 |
| Financial Statement | |
| Stan Morss 19-17 | FormatsTony Fitzherbert |
| NRC Product Catalog Wayne Heinen 21-11 | 7-13, 14-15, 18-20, 20-15, 24-43, 27-29, 28-4, 1-5 |
| CPC ReportJeff Tynan | In the Beginning John D. Bowker |
| NRC '93 Convention PhotosPaul Swearingen . 30-2 | 145015 |
| For Beginners Jack Woods | 1460, 1470 2-5 |
| NRC Log 3-13 | 1480, 1490 3-13 |
| | 1500 44 |
| | Miscellaneous |
| GYABill Hale | ANARC Paul Swearingen 3-1,9-1 |
| | DXN/DXM MergerPaul Swearingen |
| 1240 10-19 | |
| 1340 15-10 | DXpedition Site Selection Shawn Axelrod . 16-18 |
| 1400 21-9 | WWV 19-18 |
| 1450 24-33 | DX Daily, World of RadioGlenn Hauser 24-36 |
| 1490 26-22 | DX Software Guy Kudlemyer |
| Target DX Bruce Conti | Baltimore Radio Shop25-15 |
| rarga Da Druce Conti | Ernest Cooper K. C. Myers 26-26 |

AM Switch

Jerry Starr c/o WHOT Radio 4040 Simon Road Youngstown, OH 44512-1320

3

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

| CALL LET | TER | CHANGES |
|----------|-----|---------|
|----------|-----|---------|

New call: Old call: 970 WZAN WYNZ ME Bangor 1230 WODE Easton WIPI

APPLICATIONS/GRANTS FOR NEW STATIONS None

APPLICATIONS FROM EXISTING FACILITIES None

306 West 8th Street P. O. Box 1087 Coffeyville, Kansas 67337

CRANTS TO EXISTING FACILITIES

KFI CA Los Angeles: install auxiliary antenna system WEAS GA Savannah: relocate transmitter site

1390 WHOT OH Youngstown: day power to 9500 watts

OTHERNESS

670 KMVP CO Commerce City: article in Denver paper indicates this new station will be on the air in October.

810 KKDG CO Rifle: station is SILENT

WMPF NC Charlotte: somehow the cancelled CP for this new station has crept back into the FCC database. This is an error, the call and CP were deleted years ago. This frequency is currently occupied by the CP for new WWFQ Paw Creek, NC, a Charlotte suburb. You can cross off WMPF in your Log.

KRVN NE Lexington: station lost part of its antenna system in a tornado and is temporairly operating daytime only, may have returned to night operation by the time this reaches you.

WLBA GA Gainesville: silent station is ON THE AIR 1130

1230 WIPI PA Easton: (ex-WODE) station now simulcasts WIP-610 Philadelphia, PA for most of its broadcast day.

Darlington: silent station is ON THE AIR

1480 KGCX MT Sidney: station is SILENT (they signed off 8/3 along with their FM station and never returned according to article in Williston newspaper)

1500 KBRN TX Boerne: station is SILENT, article in San Antonio Express simply states the station "went out of business"

CHLO ON Saint Thomas: station has applied to move to FM at 103.1 and take the AM station off the air

THANKS: Tom Sanders (accidently left you out last issue, Tom, sorry) Wayne Heinen, Shawn Axelrod and MSJ.

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

Domestic DX Digest

North: Bill Hale

495 Creekview Drive - Meridian, ID 83642-3241

Note: DDXD-S - until further notice, send loggings to DDXD*N and DDXD-E

East: Dave Braun

1130 WRRL

11 Mill Bend Acres - Wyoming, DE 19934-9523

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



DDXD-North



MEDIUM WAVE RAMBLINGS



- Although his name has appeared in this column as well as the Graveyards, Wayne McRae of Winnipeg checks in on his own for the first time here sans SA. He claims to have a secret DX weapon, and describes it as Big and blue, 120 lbs (wouldn't tell me what it is as then it wouldn't be secret, hi). So, I can only speculate that it's what every Canadian DXer takes along on a DXPedition. A blue fridge full of Moose Head. Or LaBatts. Hasta be one of them. Anyway, welcome to the family, Wayne. Will look for more from you this DX season, with or without whatzisname.
- Once again a plethora of TIS info . . . this time from Niel Wolfish, on holiday touring the Appalachians, among other Eastern Shore locales.
- A couple of Graveyard records were garnered by Shawn Axelrod on his trek to the West Coast. Loggings last issue; records this week. Really had to do some research getting the coordinates for Whistler and Tofino, both British Columbia into my computer program. They weren't. Are now. And Joe Kureth checks in to claim three records, also.
- Speaking of Graveyard DX, I've received a couple of requests to keep track of two records in cases where the current record is held by a DXer outside of North America. The list would show the current record-holder, and add one for a North American DXer. I say . . . OK. So, as the Graveyard DX Records are presented over the next volume-year in DX News, check your Graveyard loggings and look for those records currently held by a member in Europe or Australasia. Or, if you were a record holder prior to being ousted, let me know. I don't have any of the old records or databases, so I'll take your word for it. As always, when submitting Graveyard Achievements, separate by frequency, then in state/province order, then by city. Be sure to let me know whether they were logged before or after January 1, 1960. I do have records for the "Pre-1960 Era", but since no updates have been received in over three years I don't print them up for publication.
- Deadlines are every Saturday, but get your DX in while it is of some value and interest to others. During The Season, regular loggings older than 30 days by the time I send it in are considered out-of-date, and will not be entered in the column. This has been policy for many years. Remember to separate your loggings into our categories, and in frequency order. And include date and time along with the usual stuff.
- Reports from several DXers indicate . . . not too bad of a Summer season. Let's hope that continues throughout the coming months! Let's cut to the chase . . .



Fulton Building, 107 Sixth Stree

WV Rainelle - 9/1 1800 - Wonderful Religious Radio Listening signed off at 1800!. Drove by the studios on the main street a few minutes later. (NiW-Honda)



1230 WCWA OH Toledo - More repercussions from the downfall and buyout of CKLW as WCWA dumps KOOL Gold on 8/28 and goes BBD/NOS, also satellite-delivered. They had the same format from '82-'87 using the slogan Unforgettable WCWA, which they are now using again. They went head-tohead with CKLW for two years when CK went to MoYL in '85, finally giving up in '87. At the time, irate callers were told to tune to CKLW if they wished to continue to listen to BBD. Now that CKLW is News-Talk and BBD has been relegated to the much-weaker CKWW, WCWA probably saw the chance to regain that audience. WCWA has also dropped two of its three talk shows, keeping Jim Bohannon, while dropping the recently-added Pat Buchanan and in a real shocker, Larry King after a 13-year run. Satellite News at :00. (JL-OH)

1280 WANS

SC Anderson - 8/24 1523 - | 107.3 WWMS with non-stop ticking clock sound effects. Broke in a couple of times with a message that . . . final clearance for a brand-new radio station was coming soon for the listeners of Greenville and Spartanville. At 1600 they played a brief audio test of the new format for Mix 107 point 3 featuring bits of CHR by Taylor Dane and The Spin Doctors. They also had a bit of the song You Talk Too Much at one point during the endless ticking clock. (NjW-Honda)

UNIDs and UNID HELP

710 UNID

- 8/28 2045 - Station playing country/gospel. Announcer said that they had to leave 710 kiloHertz, but would remain on 97.5 mHz FM. Based on timing, I would assume this was something in the west end of the Eastern Time Zone or east end of Central. WUFF in Eastman GA has an FM on 97.5. (NiW-TN) [I dunno. WROM Rome, GA has a 97.7 (according to FM Atlas, 13th Edition), but there is no 97.5 in The Peach State. Maybe WKCX-FM Rome moved to 97.5 since book was published. Any FM gurus out there? Rome is a lot closer to Lookout Mountain than Eastman, and format fits - Ed.

KATD?

- 9/16 0920 - Man with chit-chat about upcoming talk show . . . on The New 990 KATD = a REL rock song. Fading up and down. [Ed.-ID]

1240 UNID

- 8/30 2200 - Good with Rockin' the range, Pure Gold WFNQ. Old rock 'n' roll. No news, weather, ads at 2200. (WMc-MB1)

1610 TIS

- 8/31 2245 - Poor with Welcome to Abostle Island National ???. Woman's voice. With Glasgow, MT + beacon. (WMc-MB1) [I'll bet you heard Apostle sted Abostle, and it probably was the TIS from Apostle Island National Lakeshore (which is located as far north in Wisconsin as you can get). This one is in the Log, and as having 10 watts - Ed.]

DX AND EQUIPMENT TESTS

Baston - 9/5 0240-0244 - Poor with code starting about 0140, and WCEI 1460 lasting until 0244. In null between KKPR and CJOY. (WMc-MB1)

Baston - 9/5 0230-0300 - Not heard. (BW-MB) WCEI-

Middleboro - 9/5 0130-0200 - Nothing until very faint CIDs were 1530 WCEG heard from 0150 to 0153. Poor ⇒ fair. (JL-OH)

MA Middleboro - 9/6 0130-0200 - Not heard, (BW-MB) Not heard. WCEG-(WMc-MB1)

Paoli - 9/5 0130-0200 - SEZ didn't say anything here as WQEQ WSEZ-1560 dominated the frequency. (JL-OH) Not heard. (BW-MB) Not heard.

NY Rockport - 9/5 0430-0500 - Not heard. (JL-OH) (BW-MB) WASB-(WMc-MB1)

TIS & OTHER STUFF

(NiW-Honda)

WNQA286 MD Annapolis - 8/22 1430 - TIS for the west side of Chesapeake Bay Bridge (US 50 & 301) with taped message by woman. Mixing with WNQA289 by the time I was on the middle of the bridge. (NjW-Honda)

WNQA289 MD Annapolis - 8/22 1440 - TIS for east side of above bridge with taped message by woman. Mixing with WNQA286 on the middle of the bridge. (NiW-Honda)

WNQA289 MD Easton - 8/22 1520 - TIS for US 50 travel to Salisbury and Oceana
City. Brief message that was not very interesting. (NjW-Honda)

TIS NC near Gastonia - 8/25 1133 - Taped message with North Carolina traffic laws for I-85 travellers from SC into NC. (NjW-Honda)

TIS NC near Norlina - 8/24 1335 - TIS for I-85 travellers from VA into NV.

Same message (aside from a different phone number) as the ones near

Gastonia & Charlotte. (NjW-Honda)

WYV271 TN Gatlinburg - 8/30 1230 - TIS for Pigeon Forge and Gatlinburg visitors. Not audible in US 441 in Pigeon Forge where the first sign for the TIS appears. (NjW-Honda)

TIS VA Hampton - 8/22 2023 - TIS for traffic on I-64 between Norfolk and Hampton was being completely obliterated by Turks and Caicos! (NiW-Honda)

1200 TIS VA Williamsburg - 8/23 1200 - TIS with parking info for Busch Gardens. Very boring! (NjW-Honda)

1210 TIS NC Charlotte - 8/24 2330 - TIS for I-77 travel from SC into NC. Didn't see a sign for this one. Lots of WOGL QRM. (NjW-Honda)

1580 TIS NC Charlotte - 8/23 1645 - TIS for I-85 highway traffic emergencies. Sign said to tune in when sign was flashing. The sign was not flashing, but I heard a taped message. (NjW-Honda)

> TIS NC Newfound Gap - 8/30 1530 - TIS wit a woman warning visitors to Great Smokey Mountain Park not to feed the bears. Audio was badly distorted. (NjW-Honda)

TIS NC Oconaluftee Visitor Center - 8/30 1745 - TIS for visitors entering park from Cherokee, NC. (NjW-Honda)

TIS SC Greenville - 8/24 1535 - TIS with brief warning about driving too fast on I-85 (I slowed down from 75 to 72..!) (NjW-Honda)

TIS TN Sugarland Visitor Center - 8/30 1420 - TIS for victors entering park from Tennessee side of US 441. (NjW-Honda)

TIS- VA Cape Charles - 8/22 1900 - TIS for US 13 Chesapeake Bay Bridge-Tunnel was not on! But there is a sign advertising the station. (NjW-Honda)

TIS VA Jamestown - 8/23 1555 - TIS with useful info for when visiting Jamestown. (NjW-Honda)

AM 1570

1610

AM 1570 Box 374 St. Marys, WY 26170

MIDNIGHT TO 0800 HOURS ELT

570 KISN UT Salt Lake City - 9/7 0055 - ID: Utah's Sports Voice, Sport Radio 570, then prome for Dallas Cowboys play-by-play. Full ID 0500: KISN-AM, Sport Radio 570. [But still not a legal ID - Ed.] (BW-MB)

750 KXL OR Portland - 9/2 0720 - Good with News for early birds, it's First Light on KXL Newsradio. (WMc-MB) [They might carry the NBC News show, First Light - Bd.]

760 KFMB CA San Diego - 9/2 0730 - Good with This is 760 AM, KFMB San Diego into AP Newsline. (WMc-MB)

1160 WBND KY Florence - 9/4 0305 - Seemed to be mixture of old POP & real oldies (Mamas & Papas, Dean Martin). Although it could have been different stations crossing over. ID as Cincinnati's Best ???, WBND ???, 1160 AM. (BW-MB)

1230 KTNC NE Falls City - 9/3 0015 - Good with Falls City vs Nebraska City football. KTNC ID. Very late for a HS FB game. Perhaps a delayed broadcast. (WMc-MB1)

1290 KKAR NE Omaha - 9/7 0055 - ID noted. Not a great logging, but interesting in that local CIFX, with its transmitter about 2 miles from here, puts in a 75 over 9 signal that the KIWA Loop can null to 45 over 9, but that's enough to get something underneath. (BW-MB)

1330 WNIX MS Greenville - 8/28 0650 - Very good with oldies. Oh, I love the main street city, it makes me feel alive and I'd rather be in Greenville with NIX. I love to be in Greenville with WNIX. [I hope I got all that right - Ed.] Lots of NIX and WNIX IDs. 1st Mississippi from Winnipeg. (WMc-MB)

1520 WMLM MI St. Louis - 9/2 0625 - Fair in KOMA null with More great country here on the Big M, WMLM. Promo by Paul Harvey. (WMc-MB)

1570 WBEE IL Harvey - 9/4 0100 - Fair but ??? [Ed.] with AM 1570 WBEE ?? [?? - Ed.] Harvey-Chicago. ??? [Ed.] lazy format. In CKMW null. (WMc-MB1)

0800 TO 1600 HOURS ELT

1290 KUMA
OR Pendleton - 9/13 0907 - With end of NBC Sports into ad for a Merle Norman Cosmetics dealer in Pendleton and a paint store (same line, different application, hi). Then farm news mentioning the Idaho Farm Bureau. Fighting with, but losing to, an unID SSer and KGVO-MT. Not that far, but a 1st-timer. [Ed.-ID]



990

1050

WEEB

KLOH

1600 TO 2400 HOURS ELT

NC Southern Pines - 9/1 1952 - With Money Talks program. Break for local ads at 1954 including one for Family Amusement Centre. 2000 ID: WEEB News-Talk and information. We've got Carolina by the ears! Fair signal. (NjW-Honda)

MN Pipestone - 8/30 2120 - Good in CKSB null with Stereo 1050 KLOH

Pipestone. EZL music. (WMc-MB1)

1160 KSL UT Salt Lake City - no date! 2340 - Poor under WJJD with chorale

singing. (TR-IL)

1210 WOGL PA Philadelphia - no date! 2327 - Fair with sports talk show. WOPA splash. (TR-IL)

1360 WCHL NC Chapel Hill - 9/1 2052 - With Atlanta Braves baseball. Break at 2057 for ID and missing child bulletin. Fair with WIXZ. (NjW-Honda)

REPORTERS

JL-OH Jeffrey Less Toledo, OH; Panasonic RF-5000A Niel Wolfish (Toronto, ON) DXing at Lookout Mountain, TN; Honda Accord ix NIW-TN Niel Wolfish DXing near Morgantown, WV; Honda Accord radio NIW-WV NiW-Honda Niel Wolfish on the road near station heard; Honda Accord radio Wayne McRae Winnipeg, MB; ICOM R-70 + 3' loop + secret weapon WMc-MB Wayne McRae Arnes, MB; ICOM R-70 + Quantum Loop + secret weapon WMc-MB1 Barry Wasylik 81 Prospect Rd. Winnipeg, MB R3Y 1H6; ? radio + Kiwa BW-MB Loop [Still don't know what kind of radio you use! - hi - Ed.] TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 barefoot Ed,-ID Editor Meridian, ID, Delco AM\$-FM\$ caradio

GRAVEYARD DX UPDATE

| 1240 kHz: CBXK BC | Pemberton | Shawn Axelrod | Victoria, BC | 133 |
|----------------------|-----------|---------------|--------------|-----|
| 1340 kHz: KWWW WA | Wenatchee | Shawn Axelrod | Whistler, BC | 200 |

Joe Kureth Joe Kureth Joe Kureth

Shawn Axelrod

Uniontown, MD Uniontown Uniontown Vancouver, BC

244

451 (Tie) 161

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD - North

| :parallel with/to => :to or into :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net 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 IRN:Interstate Radio Net LSR:local sunrise LSS:local sunset MLB: major league baseball NBA: National Basketball Assn NHL: National Hockey League NPR:National Public Radio OC:open carrier POL: political PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference QRN:natural interference QTH:location 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



Now and Then John D. Bowker

Dial changes in AM markets, from 1930 to 1948 to 1992

PHOENIX MARKET

| 1930 | 02 02 04 | | | | | | 1390 | | | | | | | | | | | | | |
|------|----------------|----------|---------|-----------------|-----|------------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|
| | | KTAR | | | | | | | | | | | | KOY | ? | | | | | |
| 1948 | 8g ⊞4# | 88 +1 | +++++++ | 414114 | | 96 ++++ | 1111 | 11111 | 1111 | (1) | 1230 | 1270 | 1340 | 1111 | 1400 | 1111 | 1490 | ш | 111 | +++1 |
| | КОУ | KTAR | | | | KOOL | 1 | | | | КРНО | KPSC | KRUX | | KARV | | KTYL | | | |
| 1992 | 220 | 620 | 710 | 88 111111111 | 910 | 8 | 1010 | 1060 | 1111 | 1150 | 130 | 1280 | 1310 | 1360 | 1400 | 1440 | 1480 | 1510 | 1540 | 1580 |
| | ΚΟΥ | KTAR | KWEO | ₹. | KFY | KOOL | KXEG | KUKO | | ζC Κζ | KRDS | KHEP | XAM | KLFF | KSUN | KOPA | XHAX | Kenn | ASA | CWW |



The improved NRC AM Radio Log, 14th Edition, is the most accurate listing of AM radio stations in the U.S. and Canada, with cross reference listings. 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$19.95 to U. S. non-NRC member; \$20.95 Canadian non-NRC member. Airmail: 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)

DDXD-East

NEWS AND VIEWS

John Malicky sends along some DX made while traveling to and from the NRC Convention with Chris Cuomo. John had a pretty good opening on 9/14, maybe it is a sign of a good season to come! And thanks for the stickers, John.

John also sent the schedule for the AAA Scranton/Wilkes-Barre Red Barons which includes a list of the stations that carry them - WGBI-910, WILK-980, WCDL-1440, WEMR-1460, and WARD-1550. That also answers a couple of UNIDs I had back in July.

John and Jim Weber both report the Fort Lauderdale station on 1580 IDing only as the FM "WSHE 103.5". Can anybody (★?) tell us if there has been a call change? By the way, I assume it was you, Jim, there was no signature on the postcard! (Hint...)

Deadlines are every Saturday until Christmas.

WYVE Radio, Inc. P. O. Box 534 WYTHEVILLE, VA. 24382-0534

SPECIAL

590 WARM PA Scranton - 9/6 - Per station visit, WARM has two FMs: WMGS 92.9 - "Magic 93" and an LMA(Lease Management Agreement) with WBHT-97.1 - "Hot Hits 97". (JM/CC-PA1)

750 WMXH PA Olyphant - 9/6 - We tried to visit, but at 4 PM station personnel were gone for the day! Moved from Olyphant to Taylor (off Exit 51 of I-81 between Scranton and Wilkes-Barre) with studios in a very small building and audio could be heard with this ID: "The Muscular Dystrophy Telethon on AM 750, this is WMXH Olyphant-Taylor." Runs "Kids Radio" format from Radio Oz - Minneapolis. Ex-WWAX.

Phone number 717-562-0750 but I don't have address. (JM/CC-PA1) PA Wilkes-Barre - 9/6 - Now read carefully - WGBI-910 bought this 980 facility 980 WILK and moved into it because of it being a better studio. Simulcasts TLK IDing as "WILK-980 AM Wilkes-Barre, WGBI-910 AM Scranton". Also has two FMs -WGGY and WKRZ. (JM/CC-PA1)

1110 WKZV PA Washington - 9/9 - Was off one week during NRC Enfield '93, then returned. Runs CW music, IDs as "KZ Country". (JM-PA)

NC Burlington-Graham - 9/14 1959-2004 - Fair-good with QRM and fades, 1150 WBAG mentioning local promos for "Sportsradio 1150 WBAG", ID jingle but no legal ID at top of hour into network news, another newie! A great DX night! Ex-NOS. (JM-PA)

PA New Kensington - 9/13 - Was off before NRC Enfield '93, then returned today 1150 WGBN with "The new sound in Pittsburgh, Gospel 1150 WGBN New Kensington-Pittsburgh" Phone number 339-2542 into southern gospel music, ex-WKPA. (JM-

1200 WKOX MA Framingham - 9/11 2100 - Noted carrying "Real Country", not // WCLB-105.7

PA Harrisburg - 9/3 - WHP-580 bought this facility, but they do not simulcast! 1230 WHP? Runs different talk networks and news, IDs as "WHP-1230 Harrisburg", ex-WKBO? (JM/CC-PA1)

PA Kittanning - 9/9 1130+ - Check of this one is fair-good and day regular with 1380 WTYM IDs "Good times and great oldies on AM 1380 WTYM" Ex-CW. (JM-PA)

1400 WICK PA Scranton - 9/6 - Simulcast with WYCK-1340 and runs same NOS format, IDs as "Northeast Pennsylvania's address for easy listening, 1400 in Scranton and 1340 in Wilkes-Barre, the AM dial has your favorites - WICK". (JM/CC-PA1)

1510 WSSH MA Boston - 9/14 - Silent station back on the air, now TLK/SPT with ID as "The home of the Talk America and Sports Final networks". (BC-NH)

CT Bloomfield - 9/4 - This is the correct call per Andy Rugg and Ron Musco, has 1550 WRDM 6-tower array on farmer's private property with a house in the middle of the tower field! Ex-WLVX. (JM/TF and the NRC gang on tour - CT)

UNID AND UNID HELP

850 UNID Re: the 850 UNID from BG-DC there are only three Canadian stations on 85-. CKBA-Athabasca, CFVR-Abbottsford and CKVL-Verdun. No CH., calls. It may have been an ID for a network. Not a lot of help, I'm afraid but that is all I've got on this one. (SA-MB)

9/12 2153 - Southern gospel behind-the-scenes contest promo surfaced briefly over 940 UNID Cuba's Radio Reloj in CBM null. (BC-NH) (Maybe WKGM-VA? - db)

9/11 1950-2004 - "Real Country" with 800 number for all-request CW music, under 1080 UNID WTIC, would guess this was WEEP. (BC-NH)

QSLd as WIP 7/11/47, then as WEAZ 7/27/89. (HH-MD)

PA Shiremanstown - 9/9 0644-0729 - Good over/under WGN, sometimes strong, with "Love 720 AM" IDs, Traffax updates, phone number 731-9944 for PSA on Grandparents day, mentioning "...listener supported Christian radio Love 720 AM", GOS/REL music. Caught this only because local WPIT didn't start slopping until 0730! Also heard 9/3 through Harrisburg, Chris Cuomo's favorite station! Not! (JM-PA)

1410 WHLN

1430 WLSO

WDUF

KY Harlan - 9/12 0622-0643 - Strong this AM in/out of local KQV null with local Harlan ads, weather, PSA, news and "WHLN, the station with more (AC) music on 1410 on your AM dial". Hope they verie, didn't last time three years ago. (JM-PA) GA Dalton - 9/15 0657-0659 - Good rising above mess with station PSA for

nominating persons for public service sponsored by "WLSQ and Professional Travel". Phone number 278-5511 given as listed in the AM Log then to ad and gone. New! (IM-PA)

WTTT

MA Amherst - 9/8 & 9/9 0607-0622 - Fair-good in/out with heavy QRM running
"local and state news here on CNN 1430 WTTT", ads, weather, IDs, Jim Gamel
announcer, new station! And right near NRC Enfield '93! (JM-PA)

VA Manassas - 9/8 0714 - Very good with fades and QRM with the "Kids Radio"

VA Manassas - 9/8 0714 - Very good with fades and QRM with the "Kids Radio" format, "Radio Oz" mentions, no city of license mentioned only dual ID "1050 AM and 1460 AM", Washington DC area mentions, suspect this one and Silver Spring, MD on 1050. Music and corny announcer! (JM-PA) (While traveling I heard them ID on the hour as "WKDL 1050 and WKDV 1460" - db)

1470 WTTR MD Westminster - 9/15 0607-0608 - In mud with sports scores (baseball), ID, and traffic watch with two women announcers then gone. (JM-PA)

0800 to 1600 ELT

1110 WJSM PA Martinsburg - 9/8 1530+ - Fair-good signal in/out during day sked with ID "WJSM Martinsburg-Altoona AM 1110" with "...the very best in southern gospel music", here until WKZV returned. (JM-PA)

1120 WUST DC Washington - 9/7 1106-1145 - In wonderfully well with red hot African music show by "The Emperor" Suliman Teriwahle. Switch in PM show schedule. (JW-PA)

1600 TO 2400 ELT

540 CJSB ON Ottawa - 8/25 2020 - Very good with "Classic Rock 540 AM, 54 Rock", followed by three Led Zeppelin songs in a row. (ES-NJ)

850 CKVL PQ Verdun - 9/11 2334 - Good with "CKVL Radio, Montreal" ID, jingles, FF and EE oldies music in WHDH null. (BC-NH)

900 CKTS PQ Sherbrooke - 9/12 2210 - Good with "CJAD World Toady" news program, relaying CJAD-800. (BC-NH)

920 WAFS GA Atlanta - 9/19 2230 - "On AM 920, WAFS" popped up over mess. First time heard here with these calls. (DB-DE)

960 WRNS NC Kinston - 9/19 1916 - Heard only "Hi, this is...and you're listening to the Country Countdown on 95.1, WRNS", into the countdown program. (DB-DE)

1100 WYKR VT Wells River - 8/25 2000 - Caught end of sign off announcement and SSB - very good. (ES-NJ)

1120 WUST

DC Washington - 9/14 1914 - Excellent with SS program ending with announcer mentioning in EE that sponsor was a very long SS name! Then sign off with "New World Radio WUST...returning at 6:45 AM". No KMOX or anyone else, strong southern opening tonight. (JM-PA)

VA Duffield - 9/14 1945 - Very good with southern gospel music leading up to word-for-word sign off, some WBT-1110 slop, into SSB, new! (JM-PA)

MD Annapolis - 9/6 1909-1959 - Very good in stereo with CW music and word-forword sign off mentioning owners, address - 1081 Bay Ridge Road, Annapolis, MD, 21403. Returning at 6:45 AM, wishing a good evening for our friends in MD, DE, VA, NJ, PA and DC (that's a big area!). Ran "Labor Day Country Classics", Mike Stevens host apologizing for deluge of requests, phone number 269-0742. (JM-PA) (That's basically the area covered by the daytime stations I hear in DE, 45 miles east of Annapolis - db)
1220. WENC:

WHAM, will try again for this one. New! (JM-PA)

1220 WENC NC Whiteville - 9/10 1926 - Good dominating frequency with high school football from Winston-Salem, and ad for Columbus National Bank. (DB-DE)

1290 WNBF
NY Binghamton - 9/6 1930 - With ID as "WNBF News Talk 1290". (ES-NJ)
SC Charleston - 9/19 2330 - Braves post game show fair under loud CW which I thought was WMZO but ended up being WEED. Finally got ID at 0000. First time

heard with these calls. (DB-DE)

OH Warren - 9/11 2118 - In briefly with 60's oldies music, over/under WVEI and others. (BC-NH)

1580 WSRF FL Fort Lauderdale - 8/13 2046-2055 - Station IDing as 103.5 WSHE Fort Lauderdale. (JW-MD)

WSRF FL Fort Lauderdale - 9/14 2058 - Up briefly mentioning WSHE FM 103.5, simulcasting AOR music with heavy QRM. Call change? (JM-PA)

WVKO OH Columbus - 8/13 2018 - "The station in a class by itself", IDing as "16 WVKO". Also 9/7 2019-2036 with good "VKO" ID at 2036, French Canadian creeping through for the first time also. (JW-PA)

1600 WPDC PA Elizabethtown - 9/14 2100+ - Very good this evening over/under WWRL with many local ads and Pirates baseball with this ID: "Hi friends this is Larry Frattere (voice of the Bucs) and you're listening to Pirate baseball on AM 1600 WPDC Elizabethtown-Hershey". Also two phone numbers given, 533-3525 or 367-1600. For a 79 watt night power they get out! (JM-PA)

OTHER STUFF

516 YWA ON Petawawa - 9/11 2144 - Good, alternating between tone and code IDs. (BC-NH)

REPORTERS

SA-MB Shawn Axelrod, Winnipeg, MB:

BC-NH Bruce Conti, Nashua, NH: R70, DX400, MWDX-5, (2) 3-m. wires

HH-MD Hank Holbrook, Dunkirk, MD: 1990 Toyota AM/FM radio, standard auto whip

JM-PA John R. Malicky, Pittsburgh, PA. GE Superadio II

JM/CC-PA1 John R. Malicky/Chris Cuomo, at Scranton/Wilkes-Barre area at I-81, PA, 9/6 returning from NRC Enfield '93: Chevy Delco Stereo (C-QUAM) receiver

JM/CC-PA2 John R. Malicky/Chris Cuomo, on I-81, Harrisburg, PA area, 9/3 going to NRC Enfield '93: Chevy Delco Stereo (C-QUAM) receiver

JM/CC-PA3 John R. Malicky/Chris Cuomo, at I-81 Exit 31, Lebanon, PA, 9/6 returning from NRC Enfield '93: Chevy Delco Stereo (C-QUAM) receiver

ES-NJ Elliot Straus, Toms River, NJ: R-390A, Kiwa/Quantum Loops, MFJ-959B

JW-MD Jim Weber, on the road in Northern Maryland (I-83):

JW-PA Jim Weber, on the road in York/Harrisburg/Lancaster, PA area:
DB-DE Dave Braun, Wyoming, DE: R-2000, Palomar Loop, Sony AN-1

How to place mail orders ...

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

Jim Renfrew 61 Wilcox Street

Rochester, NY 14607-3832

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

Flash phone alert from Mark Connelly: Harbor Light of the Windwards has moved from 1400 to 1405 kHz. Many should be able to hear this one. He also heard Lesotho 1197 for the first time, but that one is a bit more of a challenge for the rest of us.

And yet another flash from Mark later the same day: via e-mail Jean Burnell reports hearing VOA Sao Tome 1530 on 9/16 at 2157!

Flash from Mike Hardester: Radio Visión Christiana 530 has been shut down. See the

Station News section below.

This is going to be a great season, judging by all of the loggings received by mid-September! The auroral conditions noted during this past week should result in a flood of loggings from many of you by next edition!

With this first column in Volume 61 I am pleased to announce that I now have shifted to a computer (IBM PC Convertible) that uses 3.5" diskettes (two sided, double density) (which work perfectly! -pls). I have not yet learned how to copy files from large diskettes to small diskettes (and vice versa), as this requires mastery of our new PS-1, used by my wife primarily, so please do not send 5.25" diskettes until further notice. (When I copy the large diskettes onto small diskettes on the PS-1, my PC Convertible refuses to open the files). Jean Burnell and Mark Connelly have sent text in ASCI characters, and my own word processing (PC Write) is able to read them quite handily. When in doubt, send a diskette and hard copy! The PS-1, by the way, has a built in modem, so I am optimistic that sooner-but-probably-later I will be able to receive and send text closer to the Topeka deadline.

If all of this sounds intimidating, you are welcome to continue submitting your legibly hand-written loggings as always!

I had hoped to attend my first NRC Convention over Labor Day Weekend, but those who were there already know that I didn't make it. Being a parent for the first time makes many such decisions necessary, as many of you already know! This also explains why a number of loggings had to be held over for this edition of IDXD, even though they arrived before my previous deadline. I generally mail IDXD on Monday, so aim for your loggings to reach me by

Welcome to new reporter Mark Seiden, who joins Russell Scotka with some logs from Miami.

TRANS-PACIFIC DX

621 NORTH KOREA Chongjin, 7/17 1100 -Weak signal. [BD*HI]

621 TUVALU - Very weak signal, only South Pacific station heard. [BD*HI]

639 JAPAN JOPB, Shizuoka, 7/17 1100 - Just barely here. [BD*HI]

891 JAPAN JOHK, Sendai, 7/17 1105 - Just readable. [BD*HI]

1008 JAPAN JONR, Osaka, 7/17 1105 - Weak signal. [BD*HI]

1017 JAPAN JOLB, Fukuoka, 7/17 1105. [BD*HI]

1053 JAPAN JOAR, Nagoya, 7/17 1108. [BD*HI]

1089 JAPAN JOHB, Sendai, 7/16 1055 & 7/17 1125 - Man talking. [BD*HI]

1134 JAPAN JOQR, Tokyo, 7/26 1100 & 7/17 1125 - Fair signal. [BD*HI]

1179 JAPAN JOOR, Osaka, 7/17 1125 - Fair signal. [BD*HI]

1242 JAPAN JOLF, Tokyo, 7/16 1110 & 7/17 1115 - Atop 1240 with male baseball announcer and good signal. [BD*HI]

RUSSIA Vladivostok, 7/17 1115 -1251 Woman and man. [BD*HI]

1260 JAPAN JOIR, Sendai, 7/17 1055-1125 (and later but I went to bed) - Strong atop frequency. [BD*HI]

1314 JAPAN JOUF, Osaka, 7/17 1110 - In with weak signal. [BD*HI]

1332 JAPAN JOSF, Nagoya, 7/16 1110 -Barely in. [BD*HI]

1404 JAPAN JOVR, Shizuoka, 7/17 1120 -Weak. [BD*HI]

JAPAN JOWF, Sapporo, 7/17 1055 -1440 Strong and atop frequency. [BD*HI]

1449 JAPAN JOKF, Takamatsu, 7/16 & 7/17 1100-1125 - Fair, from SW coast of Maui, no mainland NA audible. [BD*HI]



TRANS-ATLANTIC DX

603 SPAIN 9/8 0507 - Spanish talk, fair. [MC-MA]

612t MOROCCO 9/8 0508 - Big open carrier. [MC-MA]

684 SPAIN RNE Seville, 8/31 0055 - Spanish phone-in program with male host, fair, 6 pips at top of the hour, then "Radio Nacional de España. 9/3 0010 - Heard again with Spanish vocals. 9/6 0540 - With phone-in show, with woman host, excellent. [ES-NJ]

747 NETHERLANDS Flevoland, 9/8 0515 -Man and woman in Dutch, atop Spain, to good peak. [MC-MA]

774 SPAIN (synchros) 9/2 0437 - Spanish teletalk, good. 9/8 0503 - Man in Spanish, strong over jumble. [MC-MA] 9/6 0545 - Fair with man speaking Spanish. [ES-NJ]

837 CANARIES/SPAIN 9/8 0501 - Man in Spanish excellent; dominant over

several others. [MC-MA]

837 UNIDS 9/13 0255 - Instrumental/new age music, 4 pips followed by news at 0300, believed to be Portuguese language, but then heard Spanish at 0325 with techno-pop music, again 4 pips and news at 0400, likely a mix of Azores, Spain and Canary Islands stations. [BC-NH]

855 SPAIN RNE Murcia, 9/3 0003 - With woman giving news in English, very good 0005 into instrumental music. [ES-NJ] 9/8 0407 - Man in Spanish, to good peaks through WHDH slop. [MC-MA]

873 SPAIN Zaragoza, 9/8 0409 - Man in Spanish over jumble of others; fair to good. [MC-MA]

882 ENGLAND Washford, 9/2 0435 - Man in English fair through WCBS slop. 9/8 0500 - English news, fair. [MC-

891 ALGERIA Alger, 9/2 2330 - With Arabic vocals, pre-WLS fade-in, poor in ORN. [ES-NJ] 9/8 2310-2330 -Excellent in long peaks with Middle Eastern music and two men in Arabic; het from unknown domestic on 890. [MD-MA] 9/8 0355 - Strong het against 890, intermittent audio with local music, interference from unID LA station in WLS null. [BC-NH] 9/8 0459 - Arabic chant, good. [MC-MA]

945 FRANCE Toulouse, 9/8 0452 - man in French, very good level. [MC-MA]

954 SPAIN Madrid, 9/2 2345 - Excellent with Spanish man talking, vocal music, faded quickly. [ES-NJ]

PORTUGAL 9/8 0457 - Bits of Portuguese talk in mess. [MC-MA] 999 SPAIN Madrid, 9/3 0418 - Woman in

Spanish, to good peak. 9/8 0413 -Man in Spanish, fair over unID (Morocco?). [MC-MA] 1008 SPAIN/CANARIES 9/3 0419 - Bits of

Spanish talk, poor in WINS slop. [MC-MA]

1044 MOROCCO Sebaa Aioun, 8/31 0015 -Excellent with Arabic man talking, someone else underneath. [ES-NJ]

1044 SPAIN 9/8 0415 - Strong with man reading Spanish news in a monotone speech style. [MC-MA]

MOROCCO Tanger, 9/1 2335 -Presumed the one with what I would call Middle-of-Road Arabic vocals. Not the usual stuff, like an Arabic Johnny Mathis! [ES-NJ]

1053 ENGLAND 9/6 0515 - With pop music, male announcer, poor in QRN. [ES-NJ] 9/8 0520 - Soul vocal // 1089; poor atop second station, slopped by WEVD-1050. [MC-MA]

1062t DENMARK 9/8 0447 - Possible Danish talk by woman, then pop music. It started out strong, but it went into a fade from which it did not recover. [MC-MA]

1071 UNID 9/8 0451 - Possible Spanish talk, poor. [MC-MA]

1089 ENGLAND 9/8 0521 - Soul vocal // 1053, good with WBAL phased. [MC-MA]

1098 SPAIN/CANARIES 9/8 0441 - Spanish talk over mess; good. [MC-MA]

1107 EGYPT Batrah, 8/31 0010 - Most likely the one with Middle Eastern vocals. Fair. [ES-NJ] 9/8 0452 - Spanish talk over mess, good. [MC-MA]

1116 SPAIN Pontevedra, 9/8 0440 - Spanish talk by man and woman. [MC-MA]

1125 SPAIN 9/3 0426 - Fair with man and woman in Spanish // 1134, atop bad growl. [MC-MA]

1134 SPAIN Bilbao et al., 9/3 0425 - Fair to good with man and woman in Spanish, WBBR phased. [MC-MA]

1179 SPAIN/CANARIES 9/3 0430 - Man and woman in Spanish fair to good over possible Sweden, WHAM phased. [MC-MA]

1197 MOROCCO Agadir 8/2 0135 & 8/6 0105 - Weak with man talking French or Spanish. [BD-HI]



1197 LESOTHO BBC Relay, 9/15 2357 -Heard with BBC programs // 1160 Bermuda, 5975 and 6175 shortwave, pips on the hour; 7800 miles. [MC*MA] (First US logging of this one? A great reception! - Jim)

1215 ENGLAND Virgin Radio, 9/2 0428 Todd Rundgren's "The Light in Your
Eyes", man in English, then "Boom
Boom Boom Boom" by the Animals.
Strong on peaks. Is this the first log
of this? (First that I've seen - Jim)
9/8 0345 - Woman in English, then
rock music, fair. [MC-MA]

1251 LIBYA Tripoli, 9/3 0438 - Man and woman in Arabic, excellent, killing 1250 kHz. [MC-MA]

1259 AZORES 9/7 0340 - het on CIHI with

WEZE nulled. [MC-MA]

1287t CZECH REPUBLIC 9/2 0330 - Slavic or German talk by man, poor. [MC-MA]

1305 SPAIN 9/3 0439 - Bits of Spanish talk, loud growl. [MC-MA]

1314 NORWAY Kvitsoy, 7/27 0100 - Very good with female announcer, vocals, super signal. 8/2 0130-0200 - Man announcer, Norwegian songs. [BD-HI] 8/31 0040 - With English pop music vocals, man speaking Norwegian, excellent. I could listen no problem over the speaker. [ES-NJ] 9/2 0450 - "Autumn Leaves" by Frank Sinatra, then Norwegian talk, fair. 9/8 0323 - Poor to good at times with rock music, ship's bell, soft-

with man in Norwegian. [MC-MA] 1349 MAURITANIA Nouakchott, 9/3 2320 -Poor, mostly just a het against 1350, [MC-MA]

spoken female announcer was

buried in atmospheric noise, strong

het against 1310, would guess this

was Norway. 9/8 0347 - Excellent

1377 FRANCE Lille, 9/3 0441 - "Relax" (1984 hit by Frankie Goes to Hollywood), then French talk. Stronger at times than St. Pierre on 1375. [MC-MA]

1512 BELGIUM Wolvertem, 9/2 0357-0403 Interval Signal with 8 major chimelike notes and xylophone
accompaniment, then Dutch or
German talk by woman followed by
Robert Cray's blues hit "Don't Be
Afraid of the Dark" To very good
peaks over slight CJRS slop and
possible co-channel Saudi. Boston's
WSSH-1510 has been silent, greatly
assisting receptions on 1512 lately.
By the way, WRTH says sign-on is at
0500 rather than 0400 ... what gives?
[MC-MA]

1521 SAUDI ARABIA Duba, 9/2 0337 - 0337 - Excellent with man in Arabic. 9/8 0355 - man and woman in Arabic, to good peaks with WWKB phased. [MC-MA]

1530 SAO TOME VOA 9/16 2157 - Heard with VOA programming, the first North American reception of this new relay transmitter. [JB-NF] via [MC-MA] (Jean's detailed report of this logging will appear in a subsequent column - Jim)

1544 CLANDESTINE R. Nacional Sahara, 9/3 0020 - Arabic talk, very good. [ES-N]]

1548 ENGLAND 9/2 0412 - Fair to good with Beatles retrospective show "A Ticket to Ride" was played, then man and woman talked about the history of

the group. No local IDs. [MC-MA] 1584 SPAIN 9/2 0342 - Fair with Spanish talk by man, in jumble, echo present. [MC-MA] (lots of outlets on this frequency - Jim)

593 GERMANY Langenberg, 8/3 0310 -Good with German talk, music to 0330. [BD-PA] 9/2 0343 - Male rock vocal, fair. [MC-MA]

PAN-AMERICAN DX

530 TURKS & CAICOS ISLANDS R. Visión Cristiana, 7/28 0300 - Excellent signal, demolishing the TIS graveyard that used to be here, Spanish religious music. [BG-DC] 8/11 0020 - With man in Spanish with religious talk, almost local quality. [ES-NJ] (Looks like this one is history now, see Station News below - Jim)

535 GRENADA St. George's, 9/12 0140 - Very weak but readable with soca music featuring a New York band. [BC-NH]

555 ST. KITTS ZIZ, 8/11 0030 - Good with English discussion program about landlord/tenant disputes, another riveting program from ZIZ! [ES-N]] (Rivets are one of Elliot's special interests! - Jim) 9/7 0005 - Excellent with man speaking in English, Caribbean music. [ES-N]] 9/12 0150 - Good to excellent with high energy soca music, BBC news at 0200, time check "10 minutes after 10 o'clock" at 0210, "5-5-5" IDs. [BC-NH]



580 PUERTO RICO WKAQ, San Juan, 8/11 0110 - Excellent with Spanish man talking, ads, with "R. Reloj" ID jingles, "W-Kah-Ah-Coo" IDs. [ES-NI]

595 DOMINICA DBS, Hillsborough, 8/11 0120 - With English man and "Nightline program, give aways, UTC-4 timechecks, phone numbers given, calls taken, excellent. [ES-NJ]

630 PUERTO RICO WSKN, San Juan, 8/11 0125 - With Spanish woman host for call-in program, many mentions of Puerto Rico, all over the domestics, excellent LA opening at this hour. [ES-N]

630 HONDURAS R. America, 8/29 0142 - In Spanish, SIO 233. Talk by man. ID at 0143 as "Radio América en Todo".

[MS/RS-FL]

660 MEXICO R. Seis Sesenta, Mexico DF, 9/13 0752-0804 - WFAN finally weak enough for me hear the full sign-off announcement of this one: "Ésta es XERIN, R. Seis Sesenta, la estación con ... transmitiendo ... Colonia Florída. Radio Seis Sesenta, un estación de Grupo IMER", followed by the National Anthem. Colonia Florída is the address shown in the WRTH-93, and Grupo IMER is shown in the IRCA Mexican List. Another station, much weaker, playing a "polka" beat style of Latin music, was heard after R. 6-60 signed off, perhaps the Tampico station I've heard before. [JR-NY]

670 VENEZUELA R. Rumbos, Caracas, 9/16 0225 - All alone with "R. Rumbos, la emisora deportiva" ID. [JR-NY]

680 PUERTO RICO WAPA San Juan, 9/7
0010 - Spanish man speaking, good,
"Radio Informa Puerto Rico" slogan,
"R. Guapa" mentions, calls taken.
[ES-NJ]

690 ANGUILLA Caribbean Beacon, 8/11
0135 - With Dr. Gene Scott and the
usual, under unID LA stations, fair
only. [ES-N]] 9/13 0727 - Weak in
CBF null with Scott talking about
UFOs, parallel to 1610 and 5935
kHz. [JR-NY]

700 JAMAICA Montego Bay, JBC R. 1, 9/12 0245 - Fair with reggae music in WLW null. [BC-NH]

730 MEXICO XEX Mexico City DF, (no date)
0325 - Poor with mariachi music
under WGN splash. [TIR-IL]

750 VENEZUELA YVKS, Caracas, 8/11 0045
- With news-talk in Spanish, with
"R. Caracas" IDs, excellent. [ES-NJ]

780 COLOMBIA HJZW R. Almirante, Riohacha, 8/29 0158 - In Spanish at 0158, SIO 533. Colombian music. ID by man at 0200. [MS/RS-FL]

780 VENEZÚELA R. Coro, 9/3 0712 - Noted in passing with music program and Spanish ID. [JR-NY] 9/12 0310 - Fair with "este programa del fin de semana es por Radio Coro" ID and LA music in WBBM null. 9/13 0409 - Good, again with "fin de semana" ID, mixing with CFDR. [BC-NH]

800 MEXICO XEROK Ciudad Juarez, (no date) 0330 - Poor with CKLW QRM, mariachi music. [TJR-IL]

810 COLOMBIA CARACOL Barranquilla, 9/16 0108 - Noted in passing strong in WGY null with "Caracol Barranquilla" ID. [JR-NY]

830 ST. KITTS & NEVIS R. Paradise, Nevis, 9/16 0109 - With US religion // 7510 KTBN shortwave, fair. [JR-NY]

890 CUBA 9/8 0459 - Cuban National Anthem (sign-off), fair with WLS nulled and Algeria-891 het notched. [MC-MA]

920.6 COLOMBIA Em. Fuentes, Cartagena, 9/16 0111 - Holding steady here, offfrequency, year after year. [JR-NY]

930 MONTSERRAT Deutschwelle Relay, 9/12 0146 - In English, SIO 223. Just caught the tail-end with woman announcing the sign-off of the NA Service. Named a bunch of shortwave frequencies and also 930 kHz medium wave. Off at 0150. Probably a relay, but I couldn't determine from where. [MS-FL] (100 kW Montserrat relays Radio Canada and BBC as well - Jim)

940 CUBA R. Reloj, 9/13 0200 - Poor with characteristic syncopated clock, just barely making it through the din in

CBM's null. [BC-NH]

1000 COLOMBIA HJAQ, Cartagena, 9/9 0550
- In Spanish, SIO 334. Commentary by man and woman, ID at 0557, news read by man at 0600, including interview with Florida State Legislator Lincoln Diaz-Balart. CNN Radio News in Spanish, followed by program about the Tango and Tango music at 0607 [MS-FL]

1015 UNID 8/2 0200-0205 - Man in Spanish.
[BD-PA]



RGN

1020 VENEZUELA YVRS L Asunción, 8/11 0105 - Rapid Spanish talk with "Mundial Margarita" IDs. [ES-NJ]

1030 MEXICO R. Centro, Mexico DF, 9/9 0446 - Heard weak under WBZ with characteristic slogan ID. [JR-NY]

1070.7 COLOMBIA Em. Atlántico, 9/16 0115 Completely separable from 1070 with fútbol game between (I think) Barranquilla and Calí, ID at 0126 as "Emisora Atlántico". [JR-NY]

1100.1 COLOMBIA Caracol Barranquilla, 9/13 0830 - Heard with ads for El Colorado and Colmena, leading into "noticias del última hora". Good on the high side, with WWWE washed out. [JR-NY]

1120 PUERTO RICO WMSW, Hatillo, 8/11 0110 - With Spanish ballads, mentions of Puerto Rico and "La Gran W" jingles, all alone on frequency. [ES-N]]

BERMUDA VSB3 8/29 0522 - In English, SIO 222. BBC World Service relay, about 1/10 second behind BBC broadcast on 5975 when compared on parallel receiver. [MS/RS-FL]

1180 CUBA R. Taino, 7/23 0400 - Pretty much over WHAM most of the time, and weak Spanish under most of the clear channel big boys. If my loop wasn't down to maintenance, I might have been able to pull out something identifiable. [BG-DC]

1315 UNID - het against Norway-1314 several nights. [BD-PA]

1375 ST. PIERRE ET MIQUELON RFO, 9/8 0247 - Fair with NOS and French talk in WFEA slop. [BC-NH]

1400 COLOMBIA R. Antena Dos, Baranquilla, 8/29 0555 - In Spanish, SIO 222. Ads, jingles, ID by man at 0559. [MS/RS-FL] (Nice to see a graveyard reception from Latin America! - Jim)

1405 GRENADA Harbor Light of the Windwards, Carricou Island, 9/15 2310 - Heard with English preaching, new frequency, should be

easily heard. [MC*MA]

1500 VENEZUELA YVRZ Cumana, 9/7 0401 - R. Dos Mil ID, Cumana mention, Spanish talk, good with WTOP phased. This should be widely heard. [MC-MA]

1580 MEXICO XEDM Hermosillo SON, 9/9 0445 - Noted in passing with accordion music and call letter ID, good (momentarily) over the mess. [IR-NY]

1610 ANGUILLA Caribbean Beacon, 9/12 0338 - Instead of Scott's program, I actually heard a local ad from St.

Maartin. Similar local promo for Caribbean Beacon listeners heard 9/19 at 0216. [JR-NY]

Mark Seiden speaks: The 630, 780, and 1400 logs were obtained by phasing the 114 MLB LW and the 65'noise reduced via Russ Scotka's homebrew (and excellent) antenna phasing unit.

Marc DeLorenzo speaks: "... another year in an apartment building filled with TVI, light dimmers and all types of buzz on the BCB. Therefore, for the forseeable future, my DX is limited to what my car radio can pick up. TA conditions on 9/8 must have been pretty good in order for Algeria to penetrate this far

Jim speaks: Elliot, Ben and Bob, I'm sorry to have misplaced your loggings. They should have gotten into the last column! With regard to the IDXD column in issue #28 - Paul Swearingen, you are right: "éxitos" means "hits", not "sports". I was thinking of "equipos" (teams), I guess.

TRANS-ATLANTIC DX STATION NEWS

LIBYA: "As the dragnet of UN sanctions grows closer and tighter, the nation's broadcasters are continuing to face a mounting dilemma of vanishing spare parts and a national radio service that continues against all odds. The UN ban on flights to and from the North African nation has resulted in a catastrophic situation where broadcasters and engineers have had to stretch their imaginations to keep the national radio network functioning. The first sign of hopelessness has started to show with the closure of various relay stations around the vast desert country. According to one prominent Tripoli broadcaster certain technical needs for broadcasting can not wait for the slow delivery by the sea. Links with Malta have been maintained, so this is proving useful." [HCJB DX Party Line 7/3/93 in NZDXT 8/93

LITHUANIA: Baltic Radio International 648 to be on the air late summer 1993 with pop music 24 hours. Address: c/o 107 Woodland Drive, ANLABY, HU10 7Hp, Humberside, U.K.. [K.D. Phillimore via PLAY-DX #748 in Distance 8/18/93]

ST. HELENA: Radio St. Helena Day will take place on 10/15, 2000-2300 UTC on 11092.5 kHz (normally a Cable & Wireless utility frequenccy). This is the third special broadcast. The previous two featured a relay



of the medium wave station. This year will feature a quiz with prizes. Entries must be mailed no later than 12/1/93 to RADIO ST. HELENA, Jamestown, St. Helena Island, South Atlantic Ocean. Return postage will be greatly appreciated. [Radio St. Helena and South Atlantic Travel & Trade in NZDXT

TURKS AND CAICOS ISLANDS: According to a letter dated 6 September from an acquaintance who coordinates radio navigation aids in the Caribbean, "We just had a serious interference problem with (the) Stella Maris beacon on 526 kHz; a religious station cranked up on 530 and his sidebands were all over ... just got him shut down, I hope permanently. He was in the Turks and Caicos Islands, using an old Loran station for antennas. He was blocking beacons in Canada." I haven't been DXing in a while, so don't know the status of Turks and Caicos station, but for those who logged the station and want a QSL, you had best get a QSL request out ASAP! [MH-NC] (This explains why I have't heard a peep out of this one since August. I wonder, then, why CIAO-530 is tolerated if Canadian beacons on 530 are affected by a station much more distant? -

QSL INFORMATION CONTRIBUTORS

[MS/RS-FL] Mark Seiden and Russ Scotka, Miami FL; Drake R-7 with full set of filters and NB7A, NRD 535D, NRD 515 (Gilfer modified, full set of filters, 114' LW N/S with MLB Magnetic Balun (25' high), 65' Noise Reducer E/W (20' high), 102' 65 RV Dipole E/W (25' high).

[MS-FL] Mark Seiden, Miami FL; JRC NRD-93 with NDH 93 scanning unit, NVA-92 speaker and 6, 2.5, 1.8, 1.0 and 0.3 JRC filters, 114' longwire with RF systems MLB Magnetic Balun located N/S, a 102' GSRV dipole located E/W and a 65' Lankford/Wraight/Scotka Noise Reducing Antenna located NW/SE, all about 25' high.

[JR-NY] Jim Renfrew, Rochester NY; Sony ICF-2010, Hammarlund HO-180, Radio West Loop, Alpha Delta Sloper.

[BG-DC] Bob Gilfert, Washington DC; Hyundai H-510 car radio.

[ES-NJ] Elliot Straus, Toms River NJ; R-390A, KIWA/Quantum loops, MFJ-959B.(Eliot's picture is in the 8/93 issue of PopComm - Jim)

[BD*HI] Ben Dangerfield, Kaui & Maui HI; SW1 plus extra antenna.

[BD-PA] Ben Dangerfield, Wallingford PA [MC-MA] Mark Connelly WAIION, Billerica MA; Drake R8, two slopers (approx.

37m each) via noise-reducing transforming to Super MWDX-5 Phasing Unit and MWT-3 Regen

[MC*MA] Mark Connelly WAIION, Rockport MA (equipment used to be indicated next time)

[MD-MA] Marc DeLorenzo, Framingham MA; Hyundai car radio.

[BC-NH] Bruce Conti, Nashua NH; R70, DX400, MWDX-5, two 3-m wires (I think Bruce means 30 meters).

[MH-NC] Mike Hardester, Jacksonville NC. [TIR-IL] Thomas J. Reiser, Chicago IL; Sony ICF 2003 with built-in antenna.

WHAT A TIME SAVER THE NATIONAL RADIO CLUB'S

COUNTY CROSS REFERENCE

You're on 1400 with a very weak signal saying " and today the Fremont County Sheriff arrested..." and fade into nothing.. You have to go looking through page after page of atlas information to find Fremont County in Colorado. Now you can turn the pages of the National Radio Club's County Cross Reference and find all the states with Fremont County at a glance! It's a matter of referring only to stations in the states that have a Fremont County!......Non-Member....\$8.95 Member.....\$4.95 Order Item CCR.....Order from National Radio Club Publications Center P.O. Box 164 Mannsville, NY USA 13661-0164

A DXers 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

Tony Fitzherbert 356 Jackman Avenue Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

What a fine convention in Enfield! It was good to meet old friends and make new ones. And congratulations to Ron Musco, John and Linda Bowker and others who contributed to this annual event. A lot of format changes around here. 1550 khz in Hartford is now WRDM, as the prior owners could not make ends meet on religion and sold the station. The new owners are airing brokered ethnic programming. Should you want to see a unique transmitter site, WRDM rents space for its six towers behind the horse pen on an old farm off Mucko Road in Bloomfield. The farmer let some of us on his property to see this installation while we were on the convention. Thankfully, nobody ran over the geese, chickens, or cats as we drove to the transmitter site!

And, as found out while on vacation in Wellfleet, WKPE-1170, Orleans is now "News Talk 1170", airing adult standards when nobody is talking! WmEX-1150, in Boston has begun brokering ethnic programming, although it simulcasts its FM during AM drive. Also heard while in repose in Wellfleet, Cape Cod, was WICE-550 Pawtucket airing SEN Sports feed during AM drive. How the mighty have fallen!

And tiny WLIR-1300 ("All Jewish all of the Time"!) has again been sold, and will supplement its Jewish programming with FTP talk.

Your column comes from Dave Schmidt, Bruce Reynolds, Perry Crabill, John Tudenham, your editor, and the <u>M Street Journal</u>. Please give the city of license when submitting material for the column, as I do not have the Log with me when I type the column in my office. Here we go......

```
WGTO FL Pine Hills
                              - Unis CNN Headline News (M).
      KTHE CA City of License!
                                   - Now Unis CNN Headline News, KNR ID, legal
                                   ID on the hour (BR).
600
      WREC TN Memphis
                              - Talk (M).
610
      KFRC CA San Francisco - Now rock oldies//FM (BR).
      WUSQ VA Winchester
                              - Drops CNN Headline News for full service
                               information, ESPN Sports, Talknet, etc, applied
                              for WNTW ("News, Talk, Weather") (PC).
620
                              - JSN soft AC in October (M).
      KGTL AK
               Homer
620
      WZON ME
               Bangor
                              - Talk, sports (M).
690
      WTIX LA
               New Orleans
                              - Now talk (M).
730
      WSTT GA
               Thomasville
                              - News, talk (M).
750
      WMHX PA
               Olyphant
                              - CSN Childrens (M).
790
      WMRZ FL
               South Miami
                              - Brokered talk, standards, (M).
790
      KFYO TX
               Lubbock
                              - News, talk (M).
      WJAC PA
               Johnstown
                              - SMN Real Country music (M).
                              - SMN Real Country music (M).
850
      WPFD TN
              Fairview
860
      WQXZ NC
               Taylorsville
                              - Country music and oldies (M).
890
      KDXU UT
               St. George
                              - Talk from three networks (M).
                              - Classic rock (M).
- Classic rock "Capital" (M).
920
      CJCH NS
               Halifax
920
      KCPL WA
               Olympia
960
      KOVO UT
                              - Standards, FTP Talk (M).
               Provo
970
      WZAN ME
              Portland
                              - Ex-WYNZ, now news and talk, duopoly of WGAN
      WEBR NY Buffalo
                              - All news, drops the 9:00pm to 6:00am Jazz show
970
      VW OYWW
              Pineville
                              - Country, variety (M).
                              - Southern Gospel (M).
980
      WMAK KY
               Condon
     WQSE TN
               White Bluff
1030
                              - Country music (M).
      KNOR CA
               Frazier Place
                              - Country music (M).
1050
      KJBO NM
               Los Ranchos
                              - SMN Kool Oldies (M).
1050
      WSEN NY
               Baldwinsville
                             - Unis standards (M).
1050
      WOWM WI
               Kaukauna
                              - SGC Christian Country (M).
      KMOM MN
               Monticello
                              - Gold based adult contemporary (M).
1090
      CKRX AB
              Lethbridge
1110
      KRLA CA Pasadena
                              - R & B Oldies, "Easy Rider" Gold, targeted to
                              Hispanics (M).
      WBNM GA Macon
                              - Country gold (M).
                              - Country music and southern gospel (M).
1150
      WGEA AL
               Geneva
1160
      WWON MI
               Fenton
                              - DEx-WCXI, now Country Christian (M).
     WODY VA
1160
               Fieldale
                              - Religion as of 8/1 (M).
     WLGO SC
1170
               Lexington
                              - Gospel (M).
     KJEM AR
               Bentonville
                              - Contemporary Christian (M).
1190
     KHAD MO
               DeSoto
                              - JSN Country (M).
1190
      WHMT TN
               Humbolt
                              - SGC Christian Country (M).
1190
     WMAD WI
               Sun Prarie
                              - Unis standards (M).
      WQLS AL Ozark
                              - News and talk (M).
1200
     WOPA IL Chicago
                              - Spanish AC (M).
```

```
- News from 4:00am to 9:00am, SMN Real Country
1200 WKOX MA Framingham
                              the rest of the time, some ethnic on Sundays
                              - JSN Adult Contemporary (M).
1230 KELY NV Ely
1230
     KLIC LA
              Monroe
                              - Religion (M).
                              + Now // with WIP-610, SEN Sports, ex-WODE (DS).
1230
     WIPI PA
              Easton
                              - Unis CNN Headline News, all news for the first
     KNU2 TX
              Houston
1230
                              time in its history in spite of the call! (M).
     WGBB NY Freeport
                              - Unis adult contemporary days// WGSM-740 during
                              AM drive (M).
     WRAQ NC Brevard
                              - JSN Soft Adult contemporary, and talk (M).
1240
     CJRW PE Somerside
                              - "Country 1240" (M).
     WDVA VA Danville
                              - Gospel (M).
1250
     WFRN IN
              Elkhart
                              - Religious talk (M).
1270
                              - To be Spanish (M). "Maybe" according to some
     WSPR MA Springfield
1270
                              area broadcasters (TF).
                              - Upbeat adult contemporary//98.3 (DS).
1280
      WECY DE Seaford
                             - Rock//FM, again (TF).
1290
      WCCC CT
               West Hartford
                              - Talk (M).
     WATO TN Oak Ridge
1290
                              - News, business//WXTO (M).
1300
     WXXU FL Cocoa Beach
                              - Unis oldies (M).
1310
     KMYX CA Taft
1320
     WCVG KY
               Covington
                              - Black gospel (M).
               Wichita
                              - Satellite talk, four networks (M).
1330
      KFH KS
     KMRK AL
                              - Urban contemporary (M).
1340
               Selma
1340
     WNBS KY Murray
                              - Reach - Southern Gospel (M).
                              - Talk (M).
1340
     WBMS NC Wilmington
      KZIO CA
               Ridgecrest
                              - SGN Christian Country (M).
1360
1360
      WDRC CT
               Hartford
                              - Back to standards except at night (M).
     KNRB TX Fort Worth
                              - CSN Pre-teen (M).
1370 KPCO CA
               Quincy
                              - Unis standards, talk (M).
                              - EFM Talk, Southern Gospel (M).
1380
      KGYV AL Greenville
                              - SMN Oldies (M).
1380
      KRKO WA
               Everett
1390
      WKHF FL Avon Park
                              - Country oldies (M).
                                   - Adult standards and Spanish at night
1400
      WLLH MA Lowell - Lawrence
                                   (Bruce Conti).
      WWIN MD
               Baltimore
                              - Still Black/Gospel (DS).
     WHBT FL Tallahassee
1410
                              - Reach - Southern Gospel (M).
      KNSP MN Staples
                              - Oldies (M).
1440 WSEL MS Pontotac
                              - Southern Gospel (M).
1450
      WMBH MO
              Joblin
                              - Easy listening and nostalgia//106.5 (JT).
1450
      WWKG NC
               Spring Lake
                              - CHR "Hot 1450" (M).
1450
      WCLI NY
                              - News. talk (M).
               Corning
      WKKU WI
               Racine
                              - Spanish (M)
1480
      WABB AL Mobile
                              - News, talk (M).
1480
      WKGF FL Arcadia
                              - Christian//FM, but is to go to Southern Gospel
      WODX FL Marco
                              - JSN - Oldies (M).
     KRXR ID Gooding
                              - Country music (M) .
1480
1500
      WGHT NJ
               Pompton Lakes
                              - Ex-WKER, oldies (M).
                              - Talk (M).
1530
      WXPQ FL
               Babson park
1530 WCRJ FL Jacksonville
                              - Country music (M).
     WOBE NC Wanchese
                              - Religion (M).
1550
      WAYZ GA Smyrna
                              - Ex-WYNX, regional Mexican! (M).
                              Once a Christian powerhouse (TF).
1550
      WNTN MA Newton
                              - Mix of brokered Spanish and local talk in
                              Englsih (TF).
1560
      WSHY IL Shelbyville
                              - Country music // WYDS (M).
1570 KUAU HI Haiku
                              - Ethnic, Jazz // KPOA (M).
                              - // WOND-1400, except for Spanish weekend
     WOND NJ Hammondton
                              afternoons (DS).
1580 WAMY MS Amory
                              - Southern Gospel (M).
                              - JSN Country music upon sale (M).
      KWPG IA Boone
1600
      WXTO FL Winter Garden - News, BRN Business News (M).
                              - Adult contemporary // FM (M).
     WLLS KY Hartford
1600 KBBX UT Centerville
                              - Religion (M).
   And now on to a Dial Scan from Wilmington, DE, courtesy of Musings Editor
Dave Schmidt!
1150 WDEL DE Wilmington
                              - Full service news, talk, and sports.
     WNRK DE Newark
                              - Full service adult contemporary.
1290 WJBR DE Wilmington
                              - // FM "Mix 99.5", adult contemporary, some
                              local sports.
1450 WILM DE Wilmington
                              - News, talk.
```

And there are the changes that we have. Please send your format changes in to your Formats column, so we all know what we have received from afar as we DX.

73's 7m B

Musings of the Members

Dave Schmidt P. O. Box 11502

Wilmington, DE 19850-1502

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.

ERNEST R. COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657 - - - - - - It has been a slow summer AM DX-wise and not very fast on the FM side, either. We've had 2 vacations since my last check-in, spending 18 days in Frederikstad, US Virgin Islands, about 1 mile from the tower and studios of WRRA-1290. This is a 1000 watt fulltime non directional station, operating 24 hours, 7 days, and a remote chance of catching them here on the E Coast exists if there should comea real powerful aurora. They broadcast Episcopal church services on Sunday nights from 9 til 10PM AST, otherwise, mostly steel drum type island music. One that'll never be heard on the mainland is WGOD-1090, even though they are NSP, too. They're only 250 watts, and even in a strong aurora, they'd not make it due to Venezuelans and Martinique on their frequency! They relay their FM, incidentally. (Both have appiled to move to the expanded band!-DWS) Then on our annual trip to the Catskill Mountains in August, nothing really exciting was noted on the AM dial except to confirm that WMVI-1160 is definitely NOT on the air. I visited them last summer, finding their studios in a dilapidated old building in Mechanicville. My thanks to AL QUAGLIERI for his help in obtaining a v/l from them! The 1993 NRC Convention is now part of our history, and a great time was had by all the 55 attendees. But, whoever scheduled 4 DX TESTS during the convention weekend really pulled a rock. With most of those who would have been able to hear those tests being away from home, it is a safe bet that none of those stations received more than 3 or 4 reports, even if they were on. DAVE SCHMIDT noted that the WCEI test did not air as he called the station, nor did he know of it as he is the CE there! My 1st AM DX report for the new season went out 9/13 to WZAN-970, ex-WYNZ, ex-WCSH and they're now alltalk, ex beautiful music. There are now at least 7 FM stations local to Provincetown carrying CW music! A few weeks ago, there were just 2! Even our WOMR-91.9 has country on Tuesdays 9A-12Noon. Let's have a great DX season and some GREAT issues of DX NEWS! Forward-March! PS: And it was good to see you again, Dave. I'll never forget when we first met, you were only 14! (JOHN SAMPSON's place in Freehold, NJ.....turn the numbers around now and add 1-hi!-DWS)

JOHN MALICKY - 995 SHADYCREST DRIVE - PITTSBURGH, PA 15216 ---- Hello NRC Gang! Okay, I'll say it, shame on you for 6 weeks if you missed Enfield '93! If you did miss it, I have written a convention report along with RON MUSCO that hopefully should appear soon in DX NEWS. Anyway, where to begin, as so much happened! Let's start with CHRIS CUOMO & I leaving PGH early Friday at 5A in a rainstorm on the turnpike with semis breathing down you. Anyway, we made it to WPPA-1360 & WPAM-1450 by 9:30AM, then on to WMBT-1530 just up the road then on to Enfield. Inside the car was WNRC 87.9 'Your Oldies & Convention station' which would go on the air Saturday & Sunday night, the station being much comic relief Sunday night! 'Bruiser Bruce Allen' aka BRUCE CONTI was a smash. Plus, it was the "All Request Night on the Big N" provided listeners could put up with the (some) scratchy 45's and silence! When you have only 1 turntable, you've got to be guick, the arm on the other broke on the trip! Dr. Johnny Fever also made a guest appearance, but he was a little tired recovering from an illness, but looked forward to Enfield so much, the illness didn't stop him! Back to Friday night, TONY FITZHERBERT, NRC Formats & Profiles editor, greeted us then put on a lengthy but most enjoyable slide show of station and transmitter sights he visited the past 6-7 years. Then Saturday, 22 members led by Tony went on tours of WPOP-1410 and WTIC-1080 transmitter sites and drive-bys of WDRC-1360, WRDM-1550 & WKND-1480. The auction went quick & fast (no receivers this year) as our tried & gracious host RON pushed the Musings editor to sell, SELL FAST! The reason, RON, JOHN BOWKER & MARC CONNELLY went on the air at 11:30 PM on 7435Khz on the "Spectrum" program. Later, we tried for the tests of WSEZ-1560 & WCEI-1460, RAY ARRUDA leading the DX party to the hotel lot. On Sunday, JOHN BOWKER presented informative seminars & demonstrations on upcoming changes in radio plus 3 verbal quizes with the 1st prize being a picture of John in his RV! Also, MARC CONNELLY demostrated a phasing unit. Later, Ron presented BRUCE CONTI the 1st place prize of a 2 year free NRC membership for the "Find the Sticker" contest (it was origionally 4 but the NRC SWAT team was up to its old tricks again). No one else took part and I could have had some clues (all at XR sights) but I was asleep! Then Sunday was the NRC Last (or is it LOST) Supper & WNRC Oldies Party! Monday, Chris & I offically closed Enfield and applied the finishing touches to one of the Harley Hotel's light poles - stickers! Monday afternoon returning home, we stopped at WWCC-1590 (collected my test verie!), WCDL-1440, WMXH-750, & WARM-590. Again, thanks to RON MUSCO for a most enjoyable convention, seeing the membership (editors, ERC, new faces) as I did 5½ tapes of interviews (40 people) for the DX Audio Service to be produced by FRED VOBBE & hopefully done within 2 months. Next year, back to New England! 73's!

MARK CONNELLY - 30 WILLIAM ROAD - BILLERICA, MA 01821-6079 - - - - - I hope everyone had a good summer. DX-wise, it was eventful here. Of course, I enjoyed the NRC Convention in CT. There was a good turnout and the buffet BBQ banquet was the best I've ever had at a convention. Thanks to RON MUSCO and the rest of the organizers. In July, my company sent me to Huntsville, AL for a couple of weeks. While there, I managed to drop in on J D STEP-HENS for a great DX session/get-together. We spotted Saudi Arabia-1521 coming in as a stront het around 10PM CDT. On one of the weekends of the trip, I drove to Pensacola, FL and had fun visiting GERRY THOMAS. He has an impressive Quantum Loop workshop and a DX shack at his house near the Gulf. Numerous Cubans are loud there all day; 1180 features a serious 'duke out' between Cuba and Radio Marti. On teh ride back to Huntsville, intense T-storms caused a dozen or so car collision on I65 in S 'Bama. Luckily I heard the radio report and jumped on to a side road just in time to dodge the 7 mile backup. On the other trip weekend, I drove up 165 to Nashville, TN and checked out the WFTDA convention, Ryman Hall, Opryland USA & the CW Hall of Fame. A highlight of the visit was touring WSM Radio. Other DX items of interest during the summer were stops at my father-in-laws' vacation house in Harwich, MA on Cape Cod. This locale, within 2 miles of the E facing beaches 'kicks butt" for TA's. Even in mid summer, a multitude of stations from the W Mediterranean area (Spain, Portugal, Morocco, Algeria) pounded in at night at levels 10-20db stronger than at home under similar conditions. Lately I've been getting involved with E-Mailon my PC. JEAN BURNELL, RICHARD ECKMAN & several other DXers frequently exchange DX tips with me on the Internet. I may be reached at "markwalion@aol.com" of if you have America On-Line, just use 'markwailon" as the address. This can be cheaper than long distance calls and nearly as quick. Early Sept. has had some great

JIM CROSS - 2817 PARKLAWN DRIVE - DAYTON, OH 45440-1538 - - - - This is my 1st MUSE, so a brief intro. My love for DXing and antique radios goes hand in hand. I am still surprised at the performance of the 20's regens and TRFs. My 1924 Atwater Kent model 20 has received almost all of the 50kw stations E of and including KOA with only a 10ft antenna strung indoors! Anyway, I now do most of my DXing with a Hammerlund SP600 and a recently acquired Superadio, and I have a few questions: Does anyone have any mods or tune up tips for the SP600? I would also be willing to purchase a copy of the manual. What is the proper way to couple a beverage antenna to a radio? I Plan to erect a 1500ft E/W beverage but my 150ft LW 50ft off the ground develops VOLTS, not millavolts. This overpowers the front end of my Superadio. How high does a beverage need to be to be effective? What is the setup for tuning a beverage? I have bought most of the NRC pamphlets on antennas but these things still aren't clear. Anyway, feel free to write or call me (513-298-5827) if you can help, want to talk DXing or old radios. PS: I'm always looking for old or weird tubes. (And welcome, Jim, to the NRC! Hope the membership comes through for you in your questions. Let us know how you make out, too!-DWS)

conditions with N Europeans, including Virgin Radio (UK) on 1215khz returning

STEVE FRANCIS - 1620 LODGE STREET - ALCOA, TN 37701

after a summer absence. So....go get 'em!

- - - - Hope everyone had a fine time at the Enfield convention! No luck here with any of the Labor Day weekend DX TESTS. 1560 was the usual WPAD/WQEW combo and 1460 was plagued by a low rumbling het, probably the same one that DAVE BRAUN has mentioned hearing. 1590 was a stew of WAKR and many others, although I did catch an ID from rarely heard KYOK. 1530 was WCKY with Barry Farber but the very weak Spanish under gave a 'Radio Onda" ID during a pause in the gab. Probably Mexico City, I believe that was their slogan in the 70's when they showed up regularly during WCKY's SP. World of Radio announced a TEST from WCSI-1010 for the same Monday. No sign of it here, just the usual KBIS/WINS. They came in well here on their 1/13/75 test so maybe not on. BEN DANGERFIELD's MUSE about the volcanic mountains in HI blocking KUAI-720's daytime signal reminded me of WBHN-1590, 38 miles away in Bryson City, NC. They're in the next county, non-D and on an open frequency, yet I've never heard a trace of them due to the Great Smokies lying directly between us. 1590 days is a weak mix of WKTP & WQCH. Poor WCGM-1120 is gone again, probably for good. All of their equipment, including the tower & xmtr were sold at auction on the front steps of the county courthouse. I salvaged a stack of near mint condition stationery and envelopes from my 1985-88 days there, the last 7 months as SM & PD. If you need a verie (they only sent out 3 that I know of), drop me a line, don't worry about program details atthis late date. I'll be busy answering letters this fall as I also unearthed a file of unanswered mail from NRCers to me, some of it dating back to 85, I didn't have a day off the first 10 months WCGM was on the air, and things piled up, literally! I'm pulling a weekend airshift at WEZK-97.5/1240. Best of DX in 93-94!

ERNEST J. WESOLOWSKI - 13312 WESTWOOD LANE - OMAHA, NE 68144-3543

A thousand thank you's go out to convention host RON MUSCO for #60! Had a good time, Ron! This was a sad time, though, as my father passed away on 8/23 and while he was hospitalized, I decided not to drive but fly with reduced airfares

that came out just in time. As I type this, a master copy of nearly 5 hours of video tape is being made, details on page 1, available now through HQ. The WTIC-1080 XR tour was the most interesting of the 4 stations visited. My locals KKAR & KOIL swapped frequencies last month and it became offical 9/1 so change your new NRC Logs! The 1290 spot is Talk/News/Sports, 1180 is music of the 50s, 60s, & 70s. Thanks to WAYNE HEINEN for a super job on the new log! 73s

BRUCE CONTI - 46 RIDGEFIELD DRIVE - NASHUA, NH 03062-1174

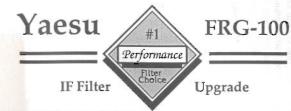
- - - - 1993 convention highlights: Friday 9/3, upon arrival, NRCers were given a convention packet which included a cassette tape of WRJM-1450. FRANK MERRILL devoured the all-you-can-eat buffet at the Big Boy resturant, and then he had dessert! TONY FITZHERBERT presented a slide show of studio and transmitter sites. Saturday 9/4, I got out of bed early to get a head start on the SWAT team bumper sticker contest. Clues led me to WCTF-1170, WKND-1480, & WDRC-1360 xmtr sites. Later, GLENN COOPER joined me to inspect the premises of WCCC AM/FM & WHCN (FM) for more clues, but the sticker was nowhere to be found today as it was time to return for the banquet, business meeting and auction. KEN CHATTER-TON brought a few copies of the new 14th edition of the log and they sold out quickly! Sunday 9/5, up early again to try to find the bumper stickers. I visited WRCH and the facilities of WFSB-TV/WTIC-1080 but couldn't locate the sticker. It turned out that some of the SWAT team members had led me astray, warning me about poison ivy. After prodding RON MUSCO for more info, I returned to the WTIC site and found the 1st prize sticker, nowhere near the dense vegetation and ivy I climbed through earlier! Sunday night, a boisterous group of DXers met for dinner in the local hotel resturant. Then it was 'Laura, Laura' McCUSKER, the 'Mighty Main Man Miami Mike' LANTZ and yours truly, 'the Bruzer Bruce Allen' CONTI on CHRIS CUOMO's WNRC-FM. If you had your tape recorder rolling during this craziness, please burn those tapes, thank you! (Good items for next years auction!-DWS). While in Enfield, I checked out Hartford's Spanish radio scene. WLAT 'Radio Latino 1230' was definitely the best of them all, with superior audio quality and the most music. However, their night coverage suffered in the graveyard jumble. It looks like I'll be hosting next years convention in Nashua, NH. I hope to line up station tours at WGIR AM/FM, WSMN-1590 and the 'mini-WLW' xmtr site of WFEA-1370. Also plan a group tour of the Anheuser-Busch brewery in Merrimack, where they make some tasty beverages. WSSH-1510 is still silent as of this writing, 9/13, silent since 8/27. Conditions are picking up here, as the new DX season gets underway, TAs have been noted on 837, 891 & 1314 and improving signals from Venezuela and the Caribbean. Signals from Grenada-535 & St. Kitts-555 have been steadily improving. Solar/geomagnetic activity continues to be extremely low/quiet as sunspot cycle 22 bottoms out, so it'll be interesting to hear what happens thai season! 73s

RAY ARRUDA - 47 BURT STREET - ACUSHNET, MA 02743-1939 - - - - We had an excellent time at NRC's 60th Convention in Enfield which included a gayla fireworks display and logging WNRC-87.9 'Your Convention Station' confirmed by a phone call to Room 421! QSL forthcoming or is a written report required? The auction was an adventure and we enjoyed seeing everyone in attendance. We acknowledge with thanks RON MUSCO, KEN CHATTERTON, JOHN BOWKER and all the NRCers that helped make the weekend a success. A reminder that our 16th annual Thanksgiving GTG will be held at the Lower Deck on November 20th, 1993 starting at nor Saturday before the holiday. We had no luck in trying for the DX TESTS scheduled 9/5, listening on a TRF portable and other receivers in the hotel parking lot in Enfield with ANDY RUGG, BILL TOWNSHEND, HUGH MONTGOMERY, JOHN MALICKY & MIKE LANTZ present. ANDY: Sorry we missed you on Sunday eve, but we retired early (7:30). Nice seeing ELLIOT STRAUS for the 1st time in about 12 years and it seemed like everyone had a good time as it went by so fast! Veries that arrived over the summer months: CFCH-600, WWJZ-640-TEST, WIEZ-670, WKTX-830-TEST, WMVI-1160, WLBR-1270, WPXY-1280, & WCPM-1280-TEST. 2 reports each to CIQC-600 and WABK-1280-TEST of 12/92 with no answer, any help? Hope to see many of

you here on 11/20/93! 73

NIEL WOLFISH - 112-2177 AVENUE ROAD - TORONTO, ON M5M 4B7 - - - - Time for another one of my notorious infrequent MUSINGS. I changed jobs this summer, I am now working for a mid-sized law firm in downtown Toronto, not too far from the Skydome and Union Station. Haven't done much listening from home lately. However, a trip to Atlanta last month enabled me to hear all sorts of stations, such as WAGL-1560, that I had previously only heard at sunset. The new Turks & Caicos station on 530 was easily heard in York, PA and all points S in the evenings. In fact, the only place I haven't logged the station is at home, thanks to local CIAO. Similary, I noticed that WWFE-670 did a number on WMAQ. I had previously only logged WWFE once at sunset when I was in MI. Speaking ofCIAO, I happened to tune in last night at 3AM in my car. After the announcer played a song by The Cure, he mentioned that it was the end of his shift and that an Itilian program was coming up. He then said hello to a couple of listeners who had phoned in and (unless my ears were playing tricks on me) said that he would be sending "OSL" cards to them! I wonder if I really heard him say that or if it was my mind playing games on me! The noise level here is atrocious as always, meaning that this comign season, I'll probably be more likely watching the Sunday NFL games on TV. Maybe I'll hear a DX TEST? 73

DAVE SCHMIDT - P 0 BOX 11502 - WILMINGTON, DE 19850 - - - - - It was nice to see DAVE LEWIS briefly this past week while he was in town, at the start of his CLASS 4 station visits in Eastern PA, watch for a bit of information on that upcoming. We're holding off on a couple of intro MUSINGS til next issue, this is going out late and hopefully, a few more will show up. HANK HOLBROOK & DAVE BRAUN have sent them along. We're trying to set upo a date to reschedule the WCEI-1460 test, we're going to try a Sunday morning test with that one. Also, we're going to try to get one going at WMIZ-1270 this season for a rare one on a crowded channel. We're weekly now, ladies & gents, and your support to the columns is what helps make this engine run. Give us some fuel & report! 73's and CUN7!



"What a difference! There's no comparison!

...the Kiwa filters have turned the Yaesu into a real DX rig." E. Byington-DX Ontario

Kiwa's new IF Filter upgrade kit dramatically improves both wide and narrowband selectivity for the Yaesu FRG-100 (Frog) receiver. Choose between three different filter kits.

Filter kit #1

The first filter kit replaces the original filters with Kiwa Filter Modules that have a measured -6 dB filter response of 4 and 6 kHz. These bandwidths are excellent for the casual shortwave listener and for the occasional DX'er.

Filter kit #2

The second filter kit consists of Kiwa Filter Modules that have a measured -6dB bandwidth of 3.5 and 5 kHz. These bandwidths are ideal for the radio enthusiast who likes to chase DX. The bandwidths are narrower than the original spec.'s which means less high frequency audio delivered to the speaker. These bandwidths are recommended for the DX'er who has an ear for listening to narrowband filters.

Filter kit #3

This filter kit is a compromise between casual listening and DX'ing. A 6 kHz Kiwa Filter Module provides optimum fidelity for the wideband filter. A 3.5kHz Filter Module replaces the 4 kHz narrowband filter. The 3.5 kHz Filter Module is our most popular DX filter and it is excellent for digging out weak signals amid strong interference.

Each filter kit uses Filter Module technology for precise filter requirements. Each module is constructed of three cascaded ceramic filters with input and output buffer amplifiers for maximum filter performance. Other features include zero insertion loss and a guaranteed shape factor (-60 dB/ -6 dB BW ratio) of \leq 1.8. Typical shape factors are 1.65. All Filter Modules have a one year warranty.

We recommend replacement of both filters. Tests have shown that the -6 dB bandwidths are typically wider than published specifications. One of the sample receivers we tested had a narrow bandwidth of 7.75 kHz and the wide measured 9.1 kHz!

Each filter kit comes with detailed step-by-step installation instructions. Filter installation in the receiver will require de-soldering and soldering. The installation is not difficult, but of course, some soldering experience is required. We do offer factory installation of the filters if you do not feel comfortable performing the installation. Installation is \$40 for both filters. Please call Kiwa for an appointment and shipping instructions.



Jump start your Frog with Kiwa's new Filter kit!

Filter kit FRG-100/#1: 4 and 6 kHz Filter Modules (\$40 each) - Total Price \$80.00 Filter kit FRG-100/#2: 3.5 and 5 kHz Filter Modules (\$40 each) - Total Price \$80.00 Filter kit FRG-100/#3: 3.5 and 6 kHz Filter Modules (\$40 each) - Total Price \$80.00 Shipping and Handling for each filter kit in North America is \$5.00

Shipping and Handling for orders outside North America (via Airmail) is \$10.00

Send check or money order in US funds to:

Kiwa Electronics

612 South 14th Ave. Yakima WA 98902 USA

