

March 4 2000 - Volume 37 - Number 14 - Edition 1194 - ISSN 899-9733

IN THIS ISSUE: CPC tests, Convention news, FCC, Western DX Roundup, Central DX Roundup, Eastern DX Roundup, DX Worldwide East, Western DX Forum, Eastern DX Forum, DX Worldwide II, Technical Column, Geomagnetic Indices.

CPC DX TESTS SUMMARY

CPC Chairperson (IRCA) - Lynn Hollerman - gmhollerman@mindspring.com

3/ 6/00 Mon - 0129-0159 - 660 - KEYZ - Williston ND (NRC)

3/26/00 Sun - 0000-0030 - 1150 - WELC - Welch WV (NRC)

4/ 1/00 Sat - 0515-0600 - 1110 - WTBQ - Warwick NY (McLean)

Monday, March 6, 2000 - KEYZ-660, Williston, ND will conduct a DX test from 1:29-1:59 am EST. KEYZ will be using 5 kW, both day & night patterns, according to their CE. The test will include Morse code Ids and tones.

Reception reports may be sent to:

Mr. Earl Gross

Chief Engineer

KEYZ Radio

P.O. Box 2048

Williston, ND 58802-2048

(Arranged by Blaine Thompson for the NRC CPC.)

Sunday, March 26, 2000 - WELC-1150, Welch, WV will conduct a DX test from 12:00 - 12:30 am EST. WELC will be using 5 kW, ND. All that is known about programming is that there will be Morse code IDs.

Reception reports may be sent to:

Mr. John Sidote

WELC AM/FM

P.O. Box 949

Welch, WV 24801

(Arranged by Blaine Thompson for the NRC CPC.)

Saturday, April 1, 2000 - WTBQ-1110, Warwick, NY will conduct a DX test from 5:15 - 6:00 am EST. The test will feature novelty music and code IDs.

Reception reports may be sent to:

Mr. Rob McLean

WTBQ-AM

62 N. Main St.

Florida, NY 10921

Continued From Front Page

E-mail: amll10@magiccarpet.com
WWW: http://www.wtbq.com
(Arranged by Rob McLean of WTBQ.)

Also, if you hear a test, PLEASE, PLEASE let me know, via either e-mail or in rec.radio.shortwave! And if you send a reception report to a station, please remember to include return postage with your report...

CPC RESULTS & INFO

2000 IRCA Billings, Montana Convention Information:

The International Radio Club Of America Convention will be held August 25, 26, and 27, 2000 in Billings, Montana. Your convention hosts will be John and Nancy Johnson. A registration form will appear in IRCA's "DX Monitor" soon. Non-IRCA members may register by mail providing your name and names of those attending, mailing address, days you plan on being in Billings, and confirmation that you have made reservations at the Quality Inn. The advance registration fee will be \$35.00 which includes the Saturday night buffet. Please make out your registration fee check to "John C. Johnson" and send it to John and Nancy's home address, 265 Waterton Way, Billings, MT 59102-7755 by July 31, 2000.

FCC

Lee J Freshwater 414 SE 3rd St, Ocala, FL 34474
FAX 352-732-7223 E-mail ENGWTRS@aol.com

COMPLETE DATABASE AVAILABLE AT :
<http://members.aol.com/bcblogbook/main.htm>

PREPARED ON 2/20/00

NEW CALL	CITY AND STATE	FREQUENCY *	FORMER CALL
WTEL	PHILADELPHIA, PA	860	WWDB
WSDX	BRAZIL, IN	1130	WSDM
WYRU	RED SPRINGS, NC	1160	WTEL
WBES	CHARLESTON, WV	1240	WVSR
KSET	SILSBEE, TX	1300	KKAS
KXCD	DUNCAN, OK	1350	KKEN
WLVU	DUNEDIN, FL	1470	WTBL
WNDA	DELAND, FL	1490	WXVQ
WMSK	MORGANFIELD, KY	1550	WYGS
WAMS	DOVER, DE	1600	WQVL

IRCA STATIONARY

Black/red masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00 (US and Canada), \$7.50 (rest of the world).

WESTERN DX ROUNDUP

Nancy Johnson - 265 Waterton Way - Billings MT 59102-7755
Electronic Mail: Internet: nancyjohnson@uswestmail.net
WDXR DEADLINES: Each Friday, Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (AB) Art Blair-507 Canyon Terrace Lane-Folsom, CA 95630
NRD-515 and KIWA loop
- (GH) Glen Hansen-3585 SE Franklin St.-Portland, OR 97202
HQ-150, various longwires, Sanserino air core box loop
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
FRG 880 & KIWA loop
- (PM) Patrick Martin-69-975 Frank Sinatra Drive #185-
Rancho Mirage, CA 92270
Hammarlund SP-600JX, Sanserino 3' box loop
- (CM) Curtis McMenamin-153 Calle Topic-Vacaville, CA 95687
Sony ICF-2010 and Radio West loop
- (NP) Nigel Pimblett-1146 Queen Street-Medicine Hat, AB T1A 1B4
Kenwood R-5000, KIWA loop and Beverages
- (DS) Dan Sys-27423-32nd Avenue-Langley, BC V4W 3J3
GE Superadio II, Sangean CC radio
- (PT) Pete Taylor-6002 Bayview Dr. NE-Tacoma, WA 98422-1227
taytac@worldnet.att.net
Sony ICF 2010, KIWA air core loop
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
rjwmail@webtv.net
GE Superadio, Select-A-Tenna, HQ-180A, Radio West loop

OF SPECIAL INTEREST

- 920 KGHO WA, Olympia noted back on 2/10 with "Good Time Hit Oldies."
First day back on (not on when I checked at 1000). All
Beatles format at this time. As has always been the case,
I have not been able to get much information out of these
people. 2/11 1414 "Playing the hits of the Northwest" live
promo. (PT-WA)
- 1090 KYCW WA, Seattle 1/19 2000 yet another new set of calls noted
here! looks like 1090 is starting to threaten 1590's
record as the Seattle frequency with the most set of call
letters over the years. Ex-KMPS. (DS-BC)
- *****
- 580 KUBC CO, Montrose 2/11 fair on top with NOS format with ID at
0459:50. (PM-CA)
- 610 KFRC CA San Francisco 1/27 0130 excellent signal playing oldies
and giving ID. Seldom this strong but regularly heard.
(GH-OR)
- 630 KIDO ID, Boise 1/27 0145 ID's and ad for RV dealership. (GH-OR)
- 670 ?KIRN? CA, Simi Valley 2/4 0740 Iranian/Mideast music, mixing with
KBOI and KNBR-680 splat, no ID heard at 0800. (AB-CA)
- 700 CKRD AB, Red Deer 1/27 0150 ad for Capitol Sports Centre and
encouraging people to drive their cars. Poor signal on N/S
wire. (GH-OR)
+2/5 1437 rock music, on-location reports, ID's as "Big 105"
or sometimes simply "105." The replacement FM came on
recently, and the AM is now simulcasting the FM. The AM is
expected to be shut off in April. (NP-AB)
- 790 KSPD ID, Boise 1/3 1030 with syndicated preaching. "Inspirational

- Family Radio" and ID in the clear at good level - no KJRB.
New. (PT-WA)
- 810 KSWV NM, Santa Fe 2/9 1936 heard well and alone with English & Spanish announcements, weather, spots, traffic reports, etc. (PM-CA)
- 880 KIXI WA, Mercer Island 1/17 0030 man gave legal ID at bottom of the hour. Playing oldies and mixing with unID talk show but mostly on top using loop antenna. No trace of Spanish speaking pest that usually dominates. (GH-OR)
- 900 CJVI BC, Victoria 1/20 0100 barely out there in the splash from local 910. Man gave ID then station faded down abruptly. (GH-OR)
- 950 KJR WA, Seattle 1/20 0105 Sportsradio 950 ID's and basketball scores. (GH-OR)
- 960 KIXQ CA, Apple Valley 2/2 0944 call in Spanish followed by "Apple Valley." I've never heard them ID in English. (AB-CA)
- 970 KALE WA, Richland 2/1 0910 KALE ID, mixing with KABL. New (AB-CA)
- KCLB CA, Coachella 1/31 0943 Pat Boone song "April Love," partial KCMJ ID "...11-40 AM" at 0945, co-freq KANM-Modesto not heard. (AB-CA)
- 1050 ?KMAP? CA, Frazier Park 2/7 0954 tent. in KTCT null again with ID "Donna Lewis, on Radio Disney." Had been classical a week before. ID at 1003 "Radio Disney, we're all ears!" (RW-CA)
- 1090 KAAY AR, Little Rock 2/6 0158 fair under/over XEPRS with old relig. Preacher, man said "Here on KAAY," into relig. program. Haven't heard this in many years. If it wasn't for XEPRS, it would have been rock solid! (PM-CA)
- 1120 KMOX MO, St. Louis 2/6 good on top with KANN nulled, sports news at 0315, some Spanish underneath. (PM-CA)
- 1170 KPUG WA, Bellingham 1/20 0140 man ID'd as "The sports leader, KPUG Bellingham." Excellent signal all by itself, looping N/S. (GH-OR)
- 1210 KEBR CA, Rocklin 2/1 1859 "This is KEBR Rocklin and KEBR-FM North Highlands," UPI (United News and Information) news at 1900. "Community Interests" at 1907. UNI not listed in NRC Log. (AB-CA)
- 1230 KZZR OR, Burns 1/28 1852 country music, ID's as "AM 1230 KZZR," (NP-AB)
- 1240 KSMA CA, Santa Maria ID noted 1/31 0100 with KGY nulled and no sign of the usual KNRY & KSUE. Second time this season. (PT-WA)
- 1300 KKOL WA, Seattle 2/3 0000 man gave ID'd as "Conservative Talk Radio 1300 K-K-O-L," poor signal mixing with religious unID. (GH-OR)
- 1320 KCTC CA, Sacramento excellent 1/30 0015 with NOS, totally obliterating KKRO & CHMB. (PT-WA)
- KGDC WA, Walla Walla 1/26 0800 good signal mixing with KKRO in CHMB null with CNN Headline News and legal ID. Previously heard with religion. Format change? (DS-BC)
- 1340 KRLV NV, Las Vegas while carefully adjusting the loop, 2.5 miles from KWXY-1340-Cathedral City, I was able to log this on top of KWXY, leaving KWXY in a buzzy null (couldn't get rid of the buzz, but the audio form KRLV topped it) at 0159:50 2/6, with "KRLV Las Vegas" into USA radio news at 0200. I have been able to null all 8 of the area MW locals now. The others are easy compared to this though. (PM-CA)
- 1380 KTSM TX, El Paso 2/10 fair on top at 0131 with local news break, "Newstalk 1380, KTSM" ID's, weather, etc. (PM-CA)

- 1400 KNND OR, Cottage Grove 1/29 1857 dominating the channel with country music, ID at the hour "For local news and sports, listen to KNND, Cottage Grove," into ABC news. New for me. (NP-AB)
- KJDY OR, John Day 1/29 1841 Trailblazers basketball, not ID heard, but ad for insurance agent in John Day heard during commercial break. (NP-AB)
- CIOR BC, Princeton 1/29 1846 solid signal with pop music, "OSR Business Directory," Back Street Boys song, ID "This is OSR, CJOR AM 1240 Osoyoos, CIOR AM 1400 Princeton, FM 102.9 Oliver, Kermeeos, and ???, Okanagan-Similkameen Radio." Usually rare here. (NP-AB)
- CJEK BC, Sparwood 1/29 1940 local ads, pop music, ID as "EK Radio and The Outlaw 104.7." NP-AB)
- 1450 KKXO OR, Eugene-Springfield 2/8 0200 with NOS (same as KKSJN). Much sought after. KSUH nulled. New. (PT-WA)
- KBPS OR, Portland 2/3 0959 man said "KPBS News," best on this GY freq at 478 miles. (AB-CA)
- 1480 KBMS WA, Vancouver 1/29 1939 ads, contest promo, "From ???, Washington, to Beaverton, Oregon, we play the best variety of hits, 1480, KBMS." (NP-AB)
- 1520 KVTA CA, Port Hueneme even with KKSJN 2/5 2100 an hour after LSS. I heard this station a month ago fielding a listener call about the signal disappearing at sunset. At least this night, they seem to have resolved the problem! (PT-WA)
+heard with several IDs, nx, wx 2/12 @2000. (pb)
- 1560 KIQS CA, Willows very weak but occasionally cutting through KNZR 1/14 2000-2005. Not heard before. (PT-WA)
- KKAA SD, Aberdeen surprising level, occasionally over KNZR 1/22 0100 with clear "K-K-double-A" ID 0105. (PT-WA)
- 1570 CKTA AB, Taber 2/5 1420 simulcasting the new FM with pop/rock tunes from the 60's to 90's, ID's as "98.3 The Hawk." A verie letter I got for the FM confirms that the AM will be shut down after a 4 month simulcast period, so about the end of April. (NP-AB)
- 1580 KSSU CA, Sacramento 2/3 California State University Sacramento strong with ID at 1520. Two watts. Gave phone number and was taking music requests. Good signal at 15 miles. (GJ-CA)
- 1600 KYBC AZ, Cottonwood 2/6 heard well on top of Spanish at 0106, with local weather, ID, and into NOS (WW1) music. (PM-CA)
- 1630 KKWY WY, Fox Farm in over a ten minute period with "Classic Country" 1/6 0100-0110 and then gone. Very respectable level but call letters in ID obliterated by a wonderfully timed KYIZ clankathon. New, QSL'd. (PT-WA)
- 1650 KBJD CO, Denver noted 1/26 2300 over KGXL for the first time. Not exactly a powerhouse. ID's as "The Beat;" Contemporary Christian format. (PT-WA)
- 1680 WTIR FL, Winter Garden 2/3 0653 with ID and Travelers Info Station. Said for information call 407-481-0551, I called and got a recording. Strong. (GJ-CA)
- 1700 KQXX TX, Brownsville 2/5 in at 0800 with ID & Spanish music. Anyone verify this one? Have sent 8 reports, still no answer! (GJ-CA)
- KTBK TX, Sherman 1/3 0300 "The Ticket" with mighty ID. (PT-WA)
+2/5 0815 in with sports and mixing with KQXX. (GJ-CA)

DX TESTS

- 630 WMAL DC, Washington 1/30 0100-0130 coming in very poor with Morse code ID. My most wanted state. New state. (CM-CA)

1450 WILM DE, Wilmington 1/30 0100-0300 surprised to hear them for the second time, coming in very poor with tones and a WILM ID. (CM-CA)

UNIDS

- 960 2/7 1015 unID with Bruce Williams show, mixing with one carrying "The Mike Show." Phone number mentioned 1-800-655-MIKE. One of these may be KKJX-OR, ex-KLAD (is supposedly sports format now)...? (RW-CA)
- 1450 "AM 1450, K?HM" 2/8 0200, right after KXOX ID (above) so is to the south. ID is loud and clear but second letter is garbled (W? X?). City is monosyllable and sounds like "Blythe." (PT-WA)
- 1630 TIS/HAR 2/2 ID as "Highway Advisory Radio" at 0643, mixing with LA Convention Center. Suspect CalTrans as they used to have a TIS/HAR on this frequency. (GJ-CA)

WDXR #2

REPORTERS FOR THIS ISSUE:

- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
FRG 880 & KIWA loop
- (RS) Ralph Sanserino-P.O. Box 1831-Perris, CA sanser@gte.net
ARN-6 DRF receiver with 10" ferrite bar loop
- (PT) Pete Taylor-6002 Bayview Dr. NE-Tacoma, WA 98422-1227
taytac@worldnet.att.net
Sony ICF 2010, KIWA air core loop
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
rjwmail@webtv.net
GE Superadio, Select-A-Tenna, HQ-180A, Radio West loop

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- 530 HAR CA, San Bernardino 2/17 0150 KNCN250. Female with road conditions for roads to Running Springs & Big Bear, "wet pavement and dense fog, use caution." (RS-CA)
- 620 HAR CA, Corona 2/17 0145 WPSK505. Female with road conditions for State Route 91 & Interstate 15 "are normal at this time." (RS-CA)
- 790 KOOR CA, Clovis in very nicely 2/12 2043 with ads, "Radio Ranchito" and legal 2045 pattern change. Some KGMJ. (PT-WA)
- 830 KNCO CA, Grass Valley 2/18 with Art Bell, a local ad and ID 0259. Excellent level; never heard before. No CKKY; KIRO image nulled. (PT-WA)
- 890 ?KVOZ? TX, Laredo "Cadena Cristiana." (1) auroral morning and (2) KDXU on with carrier only 2/18 between 0237-0500. Soft Spanish preaching and somewhat contemporary (presumed Christian) music in Spanish. Mostly alone (CJDC on top once but mostly it just wasn't there). Excellent level at times; KVOZ & KDXU carriers comfortably close in frequency. Could not have been logged without KDXU carrier (nice buffer which reduced KIXI slop). No WLS. Gracias, KDXU! (KDXU, KPWW and KSUE are frequently heard with dead air, tones, etc) (PT-WA)
- 970 KTRW WA, Spokane 2/14 0700 making extremely rare appearance here just over KANM/KBBK/KUPL with quick "KTRW, Spokane" ID, then faded out. (RW-CA)
- 980 KINS CA, Eureka 2/14 1100 good under KFMB/KVLV with ID "980, KINS, Eureka, it's 8:00." Still looking for KNTR-AZ. Ex-KBEC. (RW-CA)
- 1310 KMKY CA, Oakland Radio Disney - blowout level on just about every radio in the house 2/16 0015. Didn't hold up to 0100

ID time (when it lost out to KLIX) so I still don't have the ID taped. No other non-50kw CA stations noted at this level. (PT-WA)

- 1430 KMRB CA, San Gabriel 2/14 1000 good over KFIG, under KVVN with CC programming, ID in English on tape "You're listening to 1430 AM, KMRB, San Gabriel-Los Angeles, a multi-cultural radio station." Long-needed call change, ex-KALI. (RW-CA)
(KVVN) CA, Santa Clara 2/14 0930-1000+ off with open carrier, except quick KVVN ID just before KMRB's ID above! Can't null their signal so easily anymore than I used to since they moved their xmtr site and upped power.... (RW-CA)
- 1610 TIS/HAR CA, Tulare County 2/11 0700 Highway 99 and Tulare County Farm Show, giving traffic and parking, etc. This TIS/HAR is only on 3 days a year. (GJ-CA)
- 1680 WTIR FL, Winter Garden 2/10 ID at 0518 , giving information about WTIR. Said will in future cover state with travel information stations. Gave fax number for job applicants at station. (GJ-CA)

UNIDS

- 630 2/18 0230 very strong KIDO noted over wimpy KCIS and a 3rd station calling itself "AM 630." Only loop option I have on 630 is NW/SE. (PT-WA)
- 1610 2/10 0500 unID testing. Very weak with deep fades, up to 5 minutes at a time. Recording of phone call "If you want to make a call please hang up and try again." No ID. (GJ-CA)

Friday March 3rd will be the deadline for the anniversary issue WDXR column. I hope to see reports from all WDXR reporters that week!

IRCA 2000 DX "Scrabble" Contest

Standings as of February 15, 2000

1. Tom Jasinski	1224	6. John Tudenham	664
2. Pete Taylor	954	7. John C. Johnson	359
3. Dave Braun	945	8. Mike Sanburn	288
4. Nigel Pimblett	855	9. Lynn Hollerman	92
5. Nancy Johnson*	808	10. Dale Park	54

*Contest manager Nancy Johnson not eligible to win.

CENTRAL DX ROUNDUP

Editor: John C. Johnson - 265 Waterton Way - Billings MT 59102-7755

E-Mail: John_Johnson@prodigy.net

CDXR reports ONLY: cdxr@prodigy.net

RIDING GAIN

- [TMJ-IL] Tom Jasinski, Shorewood, IL amdxe@core.com
Drake R8A, Quantum loop.
- [NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@uswestmail.net
Yaesu FRG-7, "Radio West" loop.
- [TN-WI] Tim Noonan, Madison, WI DXing@webtv.net
Kenwood R-1000, "Radio West" Loop.
- [JJR-WI] John J. Rieger, South Milwaukee, WI johnjrieger@webtv.net
Icom IC-R70, FRG 100, Kiwa Loop, MFJ-959B, DSP599zx.

DOWN THE DIAL

- 690 WZAP VA, Bristol. 2-6 on top briefly. 17:35-17:45 with Gospel program and call letters. [TMJ-IL]

- 710 WDSM WI, Superior. 1-29 fair with WGN splash. 17:33 with many Duluth spots into Bulldogs vs. Moorehead State basketball PBP. [JJR-WI]
 WUFF GA, Eastman. 2-7 poor, though clear. 07:02 with 97.5 FM and AM dual ID. Country music format. [JJR-WI]
- 940 WCPC MS, Houston. 2-7 good, clear. 16:41 with Gospel format, ID and promo. [JJR-WI]
- 970 KJLT NE, North Platte. 2-6 very good. 17:59-18:15 with news, then extensive weather for entire state of NE. Music into sign off at 18:15. [TMJ-IL]
 WNIV GA, Atlanta. 2-7 fair, alone on 970. 16:43 with "9-70 and 1400 WNIV" into religious program. [JJR-WI]
- 980 WTEM DC, Washington. 2-1 fair to poor. 07:00 with legal ID, sports format. DC#2. [TN-WI]
 (Nice catch! Nancy and I have never logged DC from MT. The recent DX Test of WMAL-630 had no chance to make it to Montana, but was easily heard in Vacaville, CA. I guess it must be our equipment? John.)
- 1070 KNX CA, Los Angeles. 2-12 fair and alone, no WTSO. 07:30 with "KNX 10-70 News radio." If I hear this five times a year I'm lucky! [JJR-WI]
- 1180 WSAF GA, Trion, Summerville. 2-7 fair. 19:00 with full ID into SS programming. Not common. [JJR-WI]
- 1290 WCBL KY, Benton. 2-4 fair to good. 18:37 with ID in report about a local lawn and garden show with mentions of Marshall county. [TN-WI]
- 1300 WRDZ IL, La Grange. 2-4 good in null of local WIBA splash. 19:00 with legal ID. Needed for call change, EX-WTAQ. [TN-WI]
- 1340 CIBQ AB, Brooks. 2-8. 19:00 with ID "Serving Brooks and the eastern region, this is 13-40 CIBQ." [NJ-MT]
 KPOK ND, Bowman. 2-7. 21:00 with ID "13-40 AM KPOK Bowman" into CNN News. [NJ-MT]
- 1370 WGOH KY, Grayson. 1-28 weak, but clear. 18:00 with legal ID with Grayson and Olive Hill mentioned. Mention of classic country and bluegrass format. Into CBS News. [TN-WI]
- 1410 WAZY IN, Lafayette. 2-7 fair other others. 19:08 with ".....95 WAZY." Satellite AdCon. [JJR-WI]
 WLWV AL, Mobile. 2-12 fair. 07:16 with promo looking for sales people at ".Victory 14-10 WLWV." [JJR-WI]
- 1440 KMED OR, Medford. 2-9 loud. 21:06 with ID "The Memory Station, AM 14-40 KMED" into NOS song. [NJ-MT]
 WPRS IL, Paris. 2-7 poor, but alone. No usual WROK. 07:14 with two call mentions. Rare! [JJR-WI]

DX TESTS

- 1530 WMBT PA, Shenandoah. 2-5 good, came through the strong signal of WSAI very well. 00:14 with code ID's. [TN-WI]
 +2-5 DX Test good, mixed with WSAI. 00:00-02:05 with code, tones, voice ID's and rock oldies music. First heard back in the mid-'80s during a frequency check. [TMJ-IL]
- 1660 WMIB FL, Marco Island. 2-6 with WQSN nulled. 00:00-01:15 no sign of DX test. Signal heard with regular power with music and ID's. [TMJ-IL]

25 YEARS AGO

February 15, 1975 issue of IRCA's "DX Monitor" ... New member Dan Lester of Blue Creek, WI said he uses a Heath GR78 and has logged 38 states ... Charles Heffelfinger of Tampa, FL had logged 32 states in 3 years ... Eric Fader of Bayside, NY logged 15 new stations in January ... Paul R.

Mount of Teaneck, NJ received a verie from WCBG.

OPEN MIKE

"Get the facts, or the facts will get you. And when you get 'em, get 'em right, or they will get you wrong" -- Thomas Fuller. The anniversary issue is coming up fast, plan on sending in reports to all editors to help make this year's anniversary issue a huge one. 73, John

CDXR #2

RIDING GAIN

[EB-MO] Eric Bueneman (NOUIH), Hazelwood, MO NOUIHERic@aol.com
GE Superadio III with internal antenna.
[NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@uswestmail.net
Yaesu FRG-7, "Radio West" loop.
[TN-WI] Tim Noonan, Madison, WI DXing@webtv.net
Kenwood R-1000, "Radio West" Loop.
[JJR-WI] John J. Rieger, South Milwaukee, WI johnjrieger@webtv.net
Icom IC-R70, FRG 100, Kiwa Loop, MFJ-959B, DSP599zx.

DOWN THE DIAL

590 KOMJ NE, Omaha. 2-6 fair in KFNS null. 05:23 noted with Westwood
One Adult Standards format. "KOMJ Omaha's Magic 5-90" ID.
Call change, EX-WOW. [EB-MO]
610 WAGG AL, Birmingham. 2-12, good to poor in WDAF null. 05:51 noted
with calls, local spots, promos. [EB-MO]
630 CFCO ON, Chatham. 2-4 fair through local KJBL which beams away
from my location at night. 05:46 noted with '50s-'70s
oldies, "Oldies 6-30 CFCO" ID. [EB-MO]
690 CINF PQ, Montreal. 2-4 good over KOAQ, local KSTL off. 05:29
noted with local spots, news headlines, legal ID. Many
mentions in FF of Montreal and Canada. [EB-MO]
910 WALT MS, Meridian. 2-13 fair, dominant. 06:58 with Black Gospel
format, "T-91" slogans. Unusually in this well. [TMJ-IL]
980 KSGM IL, Chester. 2-12 good to poor mixing with others. 03:53
with news promo, mention of "AM 98 and 93.1 FM," (KSGM-FM
Perryville, MO). University of Missouri basketball promo,
local spot. First time noted on night pattern. [EB-MO]
1130 WBBR NY, New York. 2-13 good with splash from local KMOX-1120.
03:37 noted with NY traffic report, "Bloomberg Radio" ID
and local spots. [EB-MO]
1150 WLOC KY, Munfordville. 2-13 poor but steady. 07:10 with local
news, ID, spots. New, KY#62. [JJR-WI]
1170 WPLX TN, Collierville. 2-12 fair to poor. 18:32 with "11-70 WPLX"
ID in apparent satellite standards format. [TN-WI]
1190 WHMT TN, Humboldt. 2-12 fair. 18:43 with ID and mentions of a
sports format. [TN-WI]
1260 WLGS AL, Birmingham. 2-12 fair to good. 19:01 with legal ID, nice
old-style jingle, standards music format. [TN-WI]
1300 WNQM TN, Nashville. 2-17 good with WOAD, WOOD, others. 03:50
noted with "The Overcomer" with Brother R.G. Stair. 04:00
legal ID (seperate from ||WWCR-2390 shortwave station).
First time noted on night pattern. [EB-MO]
1340 KACH ID, Preston. 2-15. 23:00 with ID ending "...KACH Preston,
Downey, and Lewiston." [NJ-MT]
1490 KBLF CA, Red Bluff. 2-16. 21:00 with ID "...county's only locally
owned radio station, this is....broadcasting. KBLF Red
Bluff." into CNN news. [NJ-MT]

1520 KDYS LA, Lafayette. 2-12 fair through WWKB and others. 02:58 noted with various promos mentioning "Radio Disney." 03:00 with legal ID. [EB-MO]
 WWKB NY, Buffalo. 2-12 fair with KDYS, others. 03:09 noted with PSA, legal ID "You're listening to 50,000 watt AM 15-20 WWKB Buffalo." [EB-MO]
 1660 KRZX TX, Waco. 2-6 fair, mixing with WQSN. 00:06 with KRZI ID's and a dual KRZI, KRZX ID. [TN-WI]

UNID HELP

610 unID Frank Merrill's unID on 1-6 in issue 37-13 with "Lord On Heaven 6-10 WATB" is WAGG Birmingham, AL. [EB-MO]

25 YEARS AGO

February 23, 1975 issue of IRCA's "DX Monitor" ... Bill Meredith of Kensington, GA logged CA KFI-640 for state #29 ... John Zondlo of Muncie, IN said his total heard had reached 945 stations ... New member Paul Mount of Teaneck, NJ said he takes a nap on Sunday nights before staying up for tests Monday morning.

OPEN MIKE

"Sit down before fact as a little child, be prepared to give up every preconceived notion, follow humbly whatever and to whatever abysses nature leads, or you shall hear nothing." -- Thomas Huxley. The CDXR deadline for the Anniversary issue is coming up soon, March 3rd, be sure to send tips for the big column. 73, John

2000 IRCA CONVENTION NEWS

The 2000 IRCA Convention will be held in Billings, Montana on August 25, 26, and 27th. One of the highlights will be the auction Saturday night. If you have items for the auction (t-shirts, cups, station promotion items, etc.) please send them to John or Nancy. Items have started to arrive including some very nice shirts. Stickers, pens, magnets are also welcome for the goodie bags. Log onto the convention web site at http://pages.prodigy.net/john_johnson/irca2000.htm for complete details.

EASTERN DX ROUNDUP

Lee Freshwater - 414 SE 3rd St - Ocala FL 34471
 E-mail: ENGWTRS@aol.com FAX: 352-732-7223

Send in your DX to 414 SE 3rd St, Ocala, FL 34471 OR FAX to 352-732-7223
 Email to ENGWTRS@AOL.COM. Now on with this weeks entries.....

STARS OF THE WEEK

(LF-FL) your editor Drake R-8A / HQ180A, Potomac FIM-41
 KIWA Loop, 75' l.w. N/S

LOGGINGS

910 SC WTMZ Dorchester 2/8 2008 fair signal with MOR MX, "Do you remember when music was really music? Well, we really got it... Music of your life AM 9-10, WTMZ (LF-FL)
 TN WJCM Johnson City 2/8 1943 mixing with WTMZ, basketball game, Davidson vs ?? (LF-FL)
 1060 NC WKRE Monroe 2/8 0621 In poor with local events, and talk, "on 10-60 AM WKRE - Monroe" (LF-FL)
 1260 IN WNDE 2/7 1936 In fair with Bobby Knight basketball show, //WOWO 1190 (LF-FL)

1520 KY WLGC 2/7 1930 up with ID & C&W music, gone by 1935. //FM
"We play the freshest new country before anybody else,
Hit Country 105.7 W-L-G-C..." (LF-FL)

UN-IDEN:

1610 ?? ??? "W?? 347" mentions of Georgia and a power of 100 watts
Area code sounded like 746 which would place station in
North Georgia. Nothing on Bill Harmes's site that I could
find. (LF-FL)

Thats it for this week, as I did get a chance to turn the rig on a
couple of times.....see you all next time.....2/13/00 0900

EDXR #2

STARS OF THE WEEK

(LF-FL) your editor Drake R-8A / HQ180A, Potomac FIM-41
KIWA Loop, 75' l.w. N/S
(WM-MD) WILLIAM McGUIRE 2412 59th Place , Cheverly, MD
DX 380 VIA U.S.P.S.

LOGGINGS

780 NC WWOL Forest City 2/11 1800 Southern Gospel music heard, ID,
mention of Forest City, then into USA radio news, also
heard weather cast, great signal (WM-MD)
830 PA WEEU Reading 2/11 1820 Song "Puttin on the Ritz", then ad for
carpet store in West Reading. (WM-MD)
840 SC WCTG Columbia 2/11 1745 . Ads for two restaurants in
Northeast Columbia (WM-MD)
950 TN WAKM Franklin 2/19 0657 good w/ C&W mx into news then ID
(LF-FL)
960 VA WFIR Roanoke 2/18 0655 fair with local traffic report(LF-FL)
980 OH WONE Dayton 2/15 0545 Poor with Adult Stnds mx, local Dayton
ads email given as WONE.net (LF-FL)
TN WYFN Nashville 2/18 0700 In poor w/ID "Advancing Christian
Radio, WYFN Nashville" into TOH net news. (LF-FL)
1230 SC WOLS Florance 2/9 2035 ID heard in jumble, mentions of
Florance (WM-MD)
1360 GA WHCG Metter 2/15 0612 in with ID for "103.7 Metter"
mixing with WHNR (LF-FL)
1370 FL WAXE Vero Beach 2/15 0654 In with ID for "News-Talk 1370"
lots of ads for Vero Beach. wix w/WCOA (LF-FL)
1380 FL WELE Ormond Beach 2/15 0634 ID mixing w/ WWMI St Pete.
(LF-FL)

UN-IDEN:

1400 ?? ???? 2/11 0000 CNN hourly news heard in mess (WM-MD)
1410 ?? ???? 2/9 2200 Blk Gspl music heard over DIN, then into CBS
news (WM-MD)

Was able to catch local WOCA-1370 with a late sign on. They have a
problem with driver tubes in their Sparta Xmtr. About every 4-5 months
it falls at sign on and they have to replace it...Usually gets them on
about an hour late. Gave me a chance to log a couple of FL stations that
would be very difficult otherwise. See, it pays to get up early !!!!!!!

Thanks to William for his effort this week. Let us hear from all of you
!!!!!! see you next time... fresh 0900 2/20/00

DX WORLDWIDE EAST

Mark Connelly - 30 William Rd - Billerica MA 01821-6079
e-mail: MarkWA1ION@excite.com
Homepage: <http://members.aol.com/MarkWA1ION/weblink.htm>

Times & dates = UTC December dates are 1999, January/February dates are 2000

This time I have an assortment of reports from both e-mail and "snail mail" sources. I'm not sure how many of the reporters are IRCA members, but I don't think the column is so big that it matters this time around.

Reporter: Anthony D. Capobianco of Glen Cove, NY (using a Yaesu FRG-100 receiver and an Alpha-Delta all-band sloper)

- 550 MEXICO Primerissima 550, XEKL, Jalapa, JAN 8 0715 - Latin American music, "Primerissima" ID (without the "550").
[Capobianco-NY]
- 630 EL SALVADOR La Monumental, YSLN, San Salvador, JAN 7 0157 - Latin American music and a "Monumental" ID on a fade-in.
[Capobianco-NY]

Reporter: Jean Burnell of St. John's, NF, Canada (using Drake R8A, Icom R-71A, modified MFJ-1026 phasing unit, K9AY delta loops)
<jburnell@morgan.ucs.mun.ca>

TRANS-ATLANTIC DX

- 531 SPAIN RNE R. 5, Pontevedra, DEC 31 0625 - Split from national network program into regional program with "Radio Cinco todo noticias Galicia" announcement and regional news, // 558 La Coruna; SIO 232 [Burnell-NF]
- 702 SLOVAKIA Slovensky Rozhlas, Banska Bystrica & Presov, DEC 31 2044 - Slovak talk, old pop/folk songs, // 1098 (much stronger); SIO 332 [Burnell-NF]
- 819 EGYPT General Program, Batra, DEC 29 0202 - AA news, // 12050; SIO 442, with extreme fading [Burnell-NF]
- 837 SPAIN COPE Las Palmas, JAN 8 2206 - Local ads until rejoined national net programming at 2209; SIO 333 [Burnell-NF]
- 909 ENGLAND BBC R. 5 synchros, DEC 31 2355 - "Five Live" reports from around Britain, Big Ben chimes to the UTC New Year, champagne bottles popping in studio, excited descriptions of London fireworks SIO 444 [Burnell-NF]
- 989.73 SPAIN SER network station, DEC 28 0522 - One of the SER stations noted off-frequency; SIO 343 [Burnell-NF]
- 999 SPAIN COPE Madrid, DEC 28 2038 - Local ID and local ads; SIO 333 + JAN 8 2206 -Local ads, rejoined net at 2209 SIO 344 [Burnell-NF]
- 1008 CANARY ISLANDS Onda Caro, Las Palmas, DEC 31 2358 - Subdued welcome to the New Year "en Canarias;" SIO 333 over SER stations [Burnell-NF]
- 1044.03 SPAIN R. San Sebastian, DEC 27 2339 - Local ID noted in passing; SIO 343 [Burnell-NF]
- 1107 ENGLAND Talk R. synchros, DEC 27 2005 - "Talk Radio Weather" and IDs; SIO 333 [Burnell-NF]
- 1161 EGYPT Mid-Delta R., Tanta, JAN 7 2351 - AA talk, Koran to just before 0000, sign off announcement then Egyptian anthem; SIO 322 with QRM from Euskadi Irratia [Burnell-NF]

- 1503 POLAND Norea R./TWR, Stargard, DEC 27 1932 - Presumed this, news in Nordic language; SIO 242 [Burnell-NF]
- 1521 SLOVAKIA BBC World Service, Rimavska Sobota, DEC 27 1924 - EE WS program, // 6195, ID at 1930 but then educational program not // 6195; SIO 353 [Burnell-NF]
- 1548 ENGLAND BBC R. Bristol, DEC 31 2114 - Building excitement about New Year, reports from streets of Bristol and Bath; SIO 433 [Burnell-NF]
- 1584 SPANISH MOROCCO RadiOle Costa del Estrecho, Ceuta, DEC 31 2101 - Flamenco-style music mixing with SER stations, thus this one now appears to be back on 1584.00 kHz; SIO 222 [Burnell-NF]
(Subsequently noted back on 1583.65 by both Jean and me - editor)
- 1636.15 NETHERLANDS R. Mexicano and Speedy Gonzalez (joint pirate broadcast), Groenlo, JAN 1 0008 - Disco, '70's pops, some Dutch tunes with very few announcements, but IDs at 0013 and 0051, heard past 0057; many thanks to Julius Hermans and Piet Pijpers in Holland for assistance with the ID; SIO 252-3. My first "new" station of the millennium ! [Burnell-NF]

PAN-AMERICAN DX

- 680.04 VENEZUELA R. Cumana (YVQR), Cumana, JAN 9 0320 - Religion with many up-tempo songs until end of "Voz de Dios" program at 0355, then sign off with 2 anthems; SIO 343 [Burnell-NF]
- 740 PUERTO RICO WIAC, San Juan, JAN 9 0431 - SS sports under quasi-local CHCM, seemed to use the slogan "Radio Puerto Rico;" SIO 322. [Burnell-NF]
- 890 CUBA R. Progreso, Santiago de Cuba?, JAN 9 0357, 0438 - Deep fades but clear IDs noted at these times, Cuban music; SIO 342. [Burnell-NF]
- 980 COLOMBIA RCN (HJES), Cali, JAN 9 0400 - RCN IDs, news; SIO 333 [Burnell-NF]
- 990 COLOMBIA RCN (HJDB), Medellin, JAN 9 0442 - RCN jingles and IDs, lottery results, news, // 980 and about 1 second behind 770; SIO 343 [Burnell-NF]
- 1350 PUERTO RICO WEGA, Vega Baja, JAN 9 0419 - Sports play-by-play, ads; SIO 333 [Burnell-NF]
- 1580 BELIZE VOA Relay, Punta Gorda, DEC 28 0328 - EE "VOA News Now", IDs and program promos, // 1530 (very poor); SIO 433 [Burnell-NF]

Steve Whitt asked: "Jean, You noted VOA in // on 1580 & 1530. Were they both from Belize ? Or was 1530 from Sao Tome?"
regarding this log:

- 1580 BELIZE VOA Relay, Punta Gorda, DEC 28 0328 - EE "VOA News Now", IDs and program promos, // 1530 (very poor); SIO 433 [Burnell-NF]

I suspect strongly that they were both from Belize, even though they are very rare visitors ! 1580 was unequivocally Belize. On 1580, the ID at 0330 UTC mentioned specifically that this was the programme for the Americas. At that point I checked 1530. This was, as usual, dominated by Vatican R., but there was a VOA signal underneath it. Sao Tome is the normal VOA outlet heard here on 1530, but they have the African programme. I was not confident about a // with 1580 until the 0330 news ended and the programme went into an item about internet use. I don't know if this was also an item in the African programme. (I didn't check Sao Tome on short-wave.) I did note that there was no detectable delay between the two signals (checked using 2 receivers), and the bearing seemed to be the same (southwest) for 1580 and 1530 from the K9AY loops.

Reporter: Tom Jasinski of Shorewood, IL (using Drake R8A and Quantum Loop) <amdxe@core.com>

593 CUBA Radio Musical (tentative on the ID), JAN 2 2300 to JAN 3 0330, fair to good with Symphony and Opera songs and music. Creating a strong het against 590. Had to set filter at 2.3 kHz to get rid of het and pull out very clear audio. Male announcer. No ID on the hour. Later at 0305 UTC they were playing good recognizable Christmas music. Also in on JAN 3 at 2300 UTC with strong het at home on the Drake and also on the car radio while driving around town. [Jasinski-IL]

Comments - Also had Euro/TA carriers on 612, 836, 855, 865.5 (864 would be the TA channel - editor), 1035, 1044, 1125, 1134, 1215, and 1521. All of these were heard on DEC 27 between 0400 and 0430 UTC. None was strong enough for any audio. So nothing has been productive yet this season for TA's. [Jasinski-IL]

Reporter: Gerry Thomas of Pensacola, FL <radioplus@pcola.gulf.net>

Holiday/family obligations/visitors severely curtailed my DXing over the past two weeks with almost nothing new to report (even though a very quick spin of the dials a couple of nights indicated good conditions). About the only thing of interest is the Cuban on 593 (R Musical Nacional) and the absence of any sign of the mysteries on 1466-68...they are all apparently back where they belong (or else cx. have been too poor to hear them). Still chasing the UNIDs on 530, 652.2, 765, and 1135 which are in almost nightly. Latest hair-puller is someone on 1630 playing cool jazz but with what sounds like a SS announcer. Suspect this may be a domestic (it's looped E-W) but latest NRC log lists nothing. Very weak signal in partial KCJJ null and seems to appear only on atmospherically very quiet nights, i.e. after a cold front passes through ... dunno. [Thomas-FL]

WESTERN DX FORUM

Reid Wheeler - 5910 Boulevard Loop SE - Olympia WA 98501-8408
E-mail : reid@olywa.net Phone 360-786-6756 Fax 360-753-3824

Patrick Martin, 69-975 Frank Sinatra Drive #185, Ranch Mirage CA 92270
mwdxe@wabtv.net

Hi everyone. As many of you know we bought a Winter home in Rancho Mirage CA. After several delays we finally made it here. We will return to Oregon in late March. DX here is sure much different here. I do not hear any TP/DU DX. I really didn't expect any being this far inland and having 9000-foot peaks West of here (San Jacinto mountains). For domestic DX the mountains are great knocking down LA/Tijuana stations. Even with the Sanserino Loop El Paso is regular. I plan an EWE antenna next November when we return that will have the main lobe to the East. It should be interesting. However with the termination in sand, I don't know how well it will work. Time will tell. I have been picking off a lot of AZ stations that would be impossible to log in Oregon. Mentioning Oregon, few NW stations are audible here. KOMO seems to be the only regular one, with KPNW & KEX logged a time or two. Being as far East, I am also in the null for many of the NW pests like KKOH, KGO, etc. I hear them but much weaker and can't be phased or nulled. All eight locals can be nulled pretty much out at night even though several are within 7-8 miles. Their ground systems must be poor on sand. The 1 KWers on the

Oregon Coast are stronger than the 5 Kwars are here. Good DX to all.
73s, Patrick

Gary Larson, 2806 Lincoln, Burbank CA 91504

[2/11] Hi. Spoke to Dave Gleason of Hispanic Br. here in L.A. about newest stations, KACE 103.9/KRTO 98.3. I mentioned how 1020 shares towers w/KXTA and spoke of 1500 here. He says city of license is to be Culver City. No idea of where towers will be. Presently raining here. 73

EASTERN DX FORUM

Richard C. Evans 7416 Hearthstone Way Indianapolis IN 46227-7923
E-mail: REvans5435@aol.com

Gerry Thomas, 3635 Chastain Way, Pensacola, Florida 32504

Hi again. First off, thanks to everyone who sent e-mails and letters regarding my recent return to these pages. Thanks also to those who commented on my review of the CCRadio a few issues back. On the CCRadio, a couple of observations...In the review, I mentioned that I was impressed with the degree of shielding used in the radio. I neglected to mention that even the speaker magnet was shielded; you don't see that every day in a portable. Secondly, the "low battery cut-off voltage" of the CCRadio, I have recently discovered, is about 4.8 vdc. This would explain the fact that the predicted 200 hours of use per set of batteries is not being realized. It would also suggest that nicads would be operating on the cusp of the cut-off even when fully charged. By comparison, purely analog radios (like the Superadios) can operate on voltages down to about 3.2 vdc. The new Quantum Loop Pro should be ready by the time you read this (cabinets are being screenprinted). It is a larger version of the Quantum Loop (15" head vs. 7-1/2") and covers LW and MW. It also includes Q-multiplication (i.e., regeneration) on both bands and costs about \$100 more than the regular Quantum Loop. Believe it or not, printed circuit boards for the Quantum Phaser that were ordered in late October have still not arrived...hopefully, this week. The delay in the Phaser has also prevented me from putting together the catalog sheets for this season...please hang on. On other matters, in my desperation to get some readable audio on a pile of LA splits that I have been chasing, I put together a 5-foot spiral air-core loop a few weeks ago, tried it with both inductive and direct coupling, amplified and unamplified, and still have not been able to ID the beasts. Also tried Misek's (Beverage Antenna Handbook) SLO-MO shorted beverage antenna (450'). Neither gave more fruitful results than the Quantum... will keep trying. I did, however, get a tentative ID on my mystery cool jazz station on 1630 kHz...I think that it is XEUT, Tijuana. Finally, WDAE in Tampa, formerly on 1250 kHz, moved to 620 kHz (replacing WSAA) and now booms into Pensacola with its sports programming. That's about it from here. 73's...GT (P.S. I wrote the proceeding in mid-January. Before I could send it in, my wife suffered a brain aneurysm and has been hospitalized. Everything is on hold until things stabilize around here.)

DX WORLDWIDE II

Editor: Bruce Portzer - 6546 19th Avenue NE, Seattle, WA 98115,
206-522-2521, bportzer@home.com

TRANS ATLANTIC

BULGARIA: For program info check the Bulgarian Radio website
<http://www.nationalradio.bg>. When linking to the site for regional

programs, you have to choose the Bulgarian language first, then choose either the Cyrillic or "western" alphabet. (Arctic)

DENMARK: here's the current operating hours of the two AM transmitters in Kalundborg:

Longwave 243 kHz is on the air daily at 0333-2116 UTC during summertime (0433-2216 when normal time is observed in Denmark). The transmitter carry DR P1 for most of the day - except: The classical channel P2musik is carried 0333-0345, special weather forecasts for some 10-15 minutes at 0345, 0645, 0945, 1545 and 2045 UTC, a program called "Krop og Bevægelse" 0630-0640 UTC (Mo-Fr only), Fish prices 0925 (Mo-Fr only), Navigational warnings 1600 and the foreign service in Danish, "Radio Danmark" at 1830-1855 UTC. Of special interest is the News from KNR, Greenland, in Danish at 1625-1630 - but this is also carried on the P1 FM transmitters. The news in Greenlandic was cancelled a couple of months ago following a decision of the board of KNR - much to the surprise of DR. (During winter: add one hour to the times given). Mediumwave 1062 kHz is on the air daily 0248-2116 UTC during summertime (0348-2216 when normal time is observed in Denmark). This transmitter carry DR P3 during most of the day - except all of the above mentioned special programs (excl. the classical music in the morning). The MW transmitter also carry the news from KNR //DR P1. At present 1062 kHz is also the home of programs in Urdu, Serbo Croatian (called "South Slavic" - sic), Turkish and Arabic programs. Three or four months ago it was decided to stop all broadcasting in these languages from December 31st 1999. Instead DR would prepare news in these languages and a couple more on a telephone answering machine, on Text-TV and on the Internet. However following a lot of public criticism on this decision just recently it was made known that some newscasts in these languages as well as Somali will be on MW after January 1st 2000. The new schedule unknown at this point.

The LW transmitter stays on the air for 14 minutes with an open carrier after the end of programming and the MW transmitter stays on the air for 13 minutes till this transmitter is also switched off. The future of News in English (Mo-Fr 0631-0636 on DR P3 incl. 1062 kHz) is uncertain. It is most likely going to leave FM - but may continue on MW. The changes are due January 1st 2000. (Stig Hartvig Nielsen, MWC)

ERITREA: Amara is using 100 kW on 837 (pgm2) and 945 (program 1) (Arctic)

GERMANY: NEW MW 999 - "Talk Radio" to Hamburg - Schwerin - Rostock area, via Woebbelin (Schwerin) on MW 999, new solid state tx 40 kW, started today on 09th/09th (Sept). Brand new Tx was delivered in week 35-99. (Kai Ludwig-D, Sep 9) Pretty good signal in Hamburg. Format: nx, sports, talk rounds, youth-oriented mx, content of 40%. (Michael Fuhr-D, Klaus Hamberger-D, Sep 9) [via WFDXC]

New LW antenna for RadioRopa 261 Burg near Magdeburg, ex GDR LW & MW tx center. LW Burg 261 is using the former ex 783 kHz antenna of GDR era. The 324-m-mast has been rebuilt for LW use. The tx container is placed direct on the foot base of the mast.

The exact transmission time of RADIOROPA 2.6.1 (spelling as created by the station) on LW 261 is from 0555-0008 CET (0355-2208 UTC, outside the DST one hour later) with crash start and abrupt cut off respectively, while the program continues overnight on satellite. As well-known, own programming is produced at Magdeburg in a little studio, housed in the office rooms of the "ADN" news agency. From there the stuff is fed through a ISDN circuit to Luxembourg, where an automatic server system handles all switching between jingles, music and satellite

take-overs. The herewith created program signal is transmitted via the "Astra" satellite system in the German "ADR" system.

At the Burg site the LW 261 signal is aired through a 324 meters tall mast, erected in 1953, which was originally designed for the 2 x 250 txs on then 782, from 1978: 783 kHz 1000 kW "RW 1000" type Made in USSR unit, and now modified for longwave operations. The new semiconductor tx is not housed in the tx halls but in a container straight under the mast, the ADR signal is caught by a dish in usual small size (maybe some 90 cm), which is mounted on one of the containers walls.

By the way, the original 200 kW Tesla LW tx is now in use for remote control applications, i.e. for utility services. These should be the only rig, which remained inside the tx halls, as the MW units (two Funkwerk Koepenick 250 kW and a single USSR-made 1000 kW txs) was a couple of years ago dismantled; the 20 kW outlet of Mitteldeutscher Rundfunk, in the end on 531 kHz, was operated by a ancient mobile tx in trailers, radiating through a triangle dipole array.

For your information, after the original "Radioropa" was withdrawn from LW in favour of the new created RADIOROPA 2.6.1 scc, it was renamed into "oldie.fm"; I think there is no need for further explanations about the new program format. Recently the well-known conglomerate at Daun sold the former "Radioropa" to the Leipzig-based "Radio PSR". In consistency "oldie.fm" since May 31th resides in the Radio PSR radiohouse, no longer in own rooms. (Kai Ludwig-D, Jun 28, via MWC)

GIBRALTAR: R Gibraltar is testing a new 2kw xr and more efficient tower, which should be in use by year's end (Arctic)

ICELAND: 666 has closed and 738 will close by year's end (Arctic)

LESOTHO: The BBC-1197 transmitter at Lancer's Gap is now used at least part-time by Family Radio. Power remains at 100 kW. (Jean Burnell)

MOLDOVA: 810 in Romanian/Moldavian at 1500. Via Grigoriopol-MDA. V of Russia left and sacrificed its propaganda txions to the Balkans on MW 1548 via MDA site for the money from TWR. (Paniview-BUL, Rumän Pankov-BUL, Sep 3) [via WWDXC]

NETHERLANDS: Q Radio was re-launched 8/31 with 50 kW, Ids as "Q the Beat", contemporary music format (Arctic)

POLAND Raszyn 198 is testing with 200kw using parliamentary PR3 transmissions (Arctic)

TANZANIA: Radio One, Dar es Salaam on 1440 kHz is currently on 7 kW, but expects to return to 10 kW shortly. This station in addition has a relay in Moshi on 1323 kHz with 5 kW. This is not listed in the WRTH, and maybe worth listening for. 1377 relays VOA at various times, especially news. As for other AM's from Tanzania, all MW-frequencies listed in WRTH seems to be active. They were all listed in local publications, and a lot of them was also audible in Dar es Salaam. The only SW-outlet audible was 5050 relaying the domestic Swahili program. No trace of an international service any more. 1035 kHz carried a special "English service" audible only on this channel with distorted audio. This service closed as early as 1915 UTC. From Zanzibar, 585 kHz was booming in parallel with 11735 kHz. No trace of 6014.6 - likely to be inactive. (Bernt Erfjord, MWC)

ZAMBIA: A new 300 kW xr has been installed at Kabwe and is awaiting freq allocation (Arctic)

TRANS PACIFIC

CHINA: CRI-1323 is being heard on 1322.9 with Mongolian 12-1300, Russian 13-1600. New strong CNR-1 being heard on 945/1593 (Arctic) CRI uses MW1241 in English as follows 1130-1157 & 1200-1227 in Tagalog/English to Philippines; 1200-1257 to Asia/S Pacific //1188; 1300-1357 to Asia & 1430-1457 in Tagalog/English to Philippines (Arctic)

PHILIPPINES: Radio Mindanao Network has its own website at <http://www.rmn.com.ph/> with a separate page for each of its stations (Arctic) DWCM Dagupan City 20 kW, changed from 1440 several years ago (Arctic)

RUSSIA: There is a new and very good web site listing MW & LW stations in the Russian far east. The site is maintained by a Japanese MW Dxer who seems to be keeping it up to date. It also includes links to web sites for many Russian FE stations, but as would be expected they're mostly in Russian. The site is at:

<http://www.asahi-net.or.jp/~MS8N-TKN/RUSSIA/rsflist.htm>

AM Stations in the Yuzhno-Sakhalinsk area: 720 1900-1000 Radio Mayal, except 1000-1700 Voice of Russia, English and Japanese; 792 1900-1700 Radio Rossii, GTRK"Sakhalin", Rst. Tikhiy Okean; 1377 1900-1700 Radio Rossii; 1431 2000-1500 Radio One; 1548 1500-1400 Radio Mayak; 1575 1900-1700 Radio Yunost, GTRK"Sakhalin"; 1602 Radio Mayak (Irkutsk DX Circle web site)

SAMOA: In a QSL from ZAP's Chief Technical Officer, Mr. C Warren, for 747kHz I am able to pass on the following information about the MW service. 540kHz is now the only full-time channel carrying the bi-lingual (English and Samoan) service from 6 a.m. till 11 p.m. daily (1700 - 1000 UTC). The former second program channel of 747kHz is now only used for carrying school broadcasts 8:30 a.m. till 9:30 a.m. (1930 - 2030 UTC) and then switched off. This channel is also used for broadcasts of the English version (translated) from Samoa's Parliament when it's in session. 747kHz uses a DX 10 Harris transmitter fed into a 120 meter mast with omni-directional pattern (Paul Ormandy, HCDX)

LATIN AMERICA

PANAMA: HOQ51-700 ex 710 (Arctic) Radio Caracol-Panama has been heard in Colombia on 790/1420 ex-Southern Command Network (Arctic)

TURKS & CAICOS: The Super 1020 station has been off the air for 2 years and off for good. (HCDX)

VENEZUELA: The Venezuelan counterpart to the FCC has a website with a downloadable list of AM stations in the country. To get there, go to <http://www.conatel.gov.ve/> and click on radiodifusion, from there you should find several items, one of which is the AM list in Excel spreadsheet format. (Portzer) YVNO-620 Radio Fe y Alegria ex-800. Radio Lider heard on 680 //1400, YVKG-950 now "Tv AM Popular"

PUBLICATIONS

The latest edition (publication date: 17 July 1999) of the publication "Long and Medium Wave Stations in Europe, North Africa, and Middle East" is now available. It can be obtained in two ways:

- * electronically as a PDF file. Please visit the homepage to download for free: <http://come.to/dxing>

- * as a paper publication at the modest price of BEF 300, USD 10, DEM 15 in banknotes. Order your copy at: Herman Boel, Roklijf 10, B-9300 Aalst Vlaanderen (Belgium)

Main changes in the new edition are:

- * all times in UTC, instead of CET (as requested by many of you).
- PLEASE NOTE THAT THIS MEANS YOU YOURSELF WILL NEED TO SUBTRACT ONE HOUR DURING SUMMER TIME!!
- * addition of exact coordinates of transmitter site for various broadcasters (to be expanded)
- * addition of some images, in order to make the list a bit nicer
- * insert of all changes and new information received in the past two months

Thanks to many collaborators this list is now really unique in its sort. It lists all known stations in Europe, North Africa, and Middle East per frequency (with exact locations, power output, transmitting times, and lots of other information), and per country (with addresses and verification information). Furthermore it is very up-to-date (unlike some other publications) and is updated at regular intervals. (Herman Boel., HCDX)

IRCA TECHNICAL COLUMN

editor: Nick Hall-Patch, 1538 Amphion St, Victoria BC, Canada V8R 4Z6

Is it a loop, or a random wire?

A look at outdoor directional antennas for a city lot

In the last couple of years, medium wave DXers have started to use the K9AY antenna, which looks like a large single turn outdoor loop antenna with pronounced directional characteristics. Although this is perhaps the best known, it is only one of a family of directional antennas with a broad null in one direction, and a broad peak in the other. Others are known as the "Ewe", the "Flag", and the "Pennant" antennas.

The Ewe antenna

We'll start with the "Ewe" antenna, if only because it was the first to be described in the literature, in the February 1995 and January 1996 issues of QST, and, more importantly to us in this hobby, was empirically designed by Patrick Martin some years before those articles appeared. He has used it to log many trans-Pacific MW signals from Oregon.

(Figure 1 -the "Ewe" antenna)

For the amateur bands, the "Ewe" is a length of wire about 10 feet high and up to 60 feet long. It has two down-leads, one to the receiver through a 9:1 matching transformer to ground, and one at the opposite end which is terminated to ground through a resistor (see Figure 1) which is adjusted for best front to back ratio. This antenna has a cardioid (heart-shaped) directional pattern in spite of its relatively small size, and, though it looks similar to a Beverage, it nulls signals off the terminating resistor end.

This antenna is essentially a pair of phased verticals with the horizontal wire between the down-leads establishing the phase difference between the verticals. The QST article goes into some detail about the theoretical background, and presents various design approaches, which could be extrapolated to provide a useful antenna for other bands. Possible arrays are also discussed in the articles.

Patrick's version of the "Ewe" is somewhat larger than the above. He describes it as follows: "It runs about 200 feet long, running up a tree about 20 feet, over to the second tree and down that tree. It roughly runs to the northeast and is terminated by a 5K ohm pot that can be adjusted (according) to how much water is in the ground. It runs over pretty swampy land. The antenna is run into the house through about 65

feet of RG59 and uses a home brew matching transformer of about 50 ohms to 500 ohms. The primary side (coax side) is floating and the secondary side (antenna) has one side to a Ground system of several 4 foot Radio Shack ground rods with a lot of #14 gauge bare copper wire buried in the ground."

The K9AY Terminated Loop

The K9AY Terminated Loop was described by Gary Breed, K9AY, in the September 1997 QST with additional information on page 73 of the May 1998 QST and uses about a quarter wavelength of wire at the highest frequency of interest. It is formed of a diamond or delta shaped loop of wire which, like the "Ewe" antenna, uses a 9:1 matching transformer and a terminating resistor in the leg(s) closest to the ground. The center of this leg (or the common point of the bottom two legs) is grounded at a point opposite to the loop's apex. (see Figure 2). This antenna uses its combined E-field and H-field response to generate a cardioid pattern.

Figure 2 - the K9AY antenna

Guy Atkins (dxing@hotmail.com) recently used a commercial version of the K9AY loop antenna along with Beverage antennas in a winter DXpedition to Grayland, Washington. His comments are as follows: I used a K9AY for the first time on this DXpedition. This particular K9AY is a commercial version from Wellbrook Communications in the UK. (<http://www.wellbrook.uk.com>) (Wellbrook House, Brookside Road, Brangsgore, Christchurch BH23 8NA. Email sales@wellbrook.uk.com)

Wellbrook has only recently begun to sell their various antennas to USA and Canadian customers. Their K9AY costs 140 GB Pounds, which was \$230 US at time of purchase and they include shipping in the price. This version of the K9AY uses two loops to provide 360 degree coverage and to provide a reversible beam direction. Wellbrook supplies their control unit which sits at the DXer's operating position, the interface box (attached to the mast), about 100 feet of 2-conductor control wire for loop selection and clear, detailed instructions. The user needs to supply a regulated, "linear" ~12vdc power supply or battery feed (300ma draw), coax (50 or 75 ohm will work) between the interface and control boxes, loop wire, a supporting mast or other structure, and miscellaneous hardware as needed to complete the K9AY. The total loop circumference is determined by the user; I sized this K9AY as 86 ft. loops. The features that distinguish Wellbrook's K9AY from the basic K9AY described above are variable loop termination for optimized nulls and a "magnetic" matching transformer to help reduce noise pickup. Further information on the K9AY is found on Wellbrook's website. For MW DX it performed admirably and equaled the performance of Beverage antennas at times. However, it was easy to miss a hat or audio on a split frequency because the controls need critical adjustment (i.e. it's not a good antenna to use while scanning for hats between domestics). However, an email received from Andy Ikin of Wellbrook suggests that bandscanning with the K9AY on mediumwave can be improved by disconnecting the antenna from ground and turning the null control (pot) fully clockwise. Alternatively, a relay controlled jumper could be used to connect the ends of the loops, essentially turning the K9AY into a omnidirectional longwire. Once a split-frequency MW DX signal is noted, the controls would be adjusted for maximum S/N ratio and directivity as desired.

The Wellbrook K9AY's directionality--considering its size--is remarkable. Front-to-back ratio of 30-40db is typical, which is enough to completely eliminate many co-channel stations on mediumwave. There occasionally seems to be a slight reduction in domestic channel splatter

when using the Wellbrook K9AY for trans-Pacific MW DX targets. On shortwave the K9AY is a low noise omni-directional antenna, filling in the gaps between the Beverages' coverage. For my afternoon/evening Indian and African loggings, the K9AY was consistently the best antenna (often the only antenna hearing the DX). "On target" Beverages, such as those we aimed due west for Papua New Guinea, always gave clearer signals on PNGs than the K9AY. It's tough to beat looking "down the barrel" with a Beverage antenna!

Of course, you'll need a way to get the apex of the loops in the air - the DK9SQ mast is a nifty design that I bought for \$99 US from <http://www.bright.net/~kanga/kanga/dk9sq.htm>. It is a fiberglass telescoping mast and extends to approximately 33 feet, but I only used 26.5 ft of the height for the antenna. The Wellbrook website shows an alternative configuration of long, low rectangle-loops that works with shorter support poles.

I guess the advantage to Wellbrook's K9AY is the remote controlled variable termination circuit (Vactrol or similar) it employs for optimum directivity, and the use of an magnetic-type impedance matching transformer that helps reduce noise pickup (or so they say). For me, a big advantage was having a source for a K9AY with the electronics pre-built, since I'm so busy with college at this time in my life.

At <http://www3.telus.net/7dxxr/k9ay/k9ayfoto.html>, there are various pictures of the Wellbrook K9AY antenna as it was set up at Grayland. In addition, the site contains a RealAudio (k9aydemo.rm) file which compares directionality and sensitivity of the antenna to a 1000 ft. 290 degree Beverage in receiving 774 kHz JOUB, Akita, Japan at 1100 UTC Dec. 19, 1999. A file on the site, "k9_notes.txt", describes when each antenna is used during the playback time of the file.

Dave Kenny in Britain also reviewed the Wellbrook K9AY antenna in the September 1999 edition of Communication, the monthly journal of the British DX Club; the review also appears at <http://www.wellbrook.uk.com/reviews/BDXC.html>. He was very impressed with it, although most of the examples he used were of domestic DX. He points out that the Wellbrook K9AY's control unit remotely varies the phase of the two loops by varying the termination resistance, allowing uni-directional null steering through 360 degrees without moving the antenna. Note that this variable direction null is not possible with the single K9AY loop seen in Figure 2.

The recent Newfoundland DXpedition also used K9AY antennas in the gaps between the Beverage beams, and Jean Burnell said that sometimes these provided quieter coverage than the Beverages. Al Merriman describes their use in some detail at Werner Funkenhauser's excellent MWDX web site, <http://home.inforamp.net/~funk/termloop.html>. His findings were quite similar to Guy Atkins': "Nulls off the back of the loops ranged from 25 to approaching 40 db which is identical to the performance I get at home. The E-W loop performed so well compared to the Beverages that it was run through a splitter and used as the primary TA antenna. The N-S loop, although giving a good account of itself did not compare nearly as well against the 1 kilometer Brazil Beverage. Deep South Americans - Argentina, Uruguay, Brazil - were uniformly stronger and reception was cleaner on the Beverages. A lot of the stations were also heard on the loops but not as well. However when you moved away from the relatively narrow "beam" width of the Beverage - for instance the Venezuelans - were as good and occasionally stronger on the N-S loop than they were on the Beverage. Although the loops will knock signals arriving off the sides down an S-unit or so the Beverage did much better (in nulling stations off the side of the antenna)."

Note that Al also quickly progressed to a pair of K9AY's at 90 degrees to each other and phases them together to get nulls. He also

found that the K9AY delivered about 8-10 dB less signal than his 135 foot slopers, so a preamplifier might be useful in some situations.

The Flag and the Pennant antennas

Both the Ewe and the K9AY antenna work best if they are placed over a good, uniformly conductive ground; a number of users of the K9AY have counterpoise wires helpful as an addition to the standard ground rod. The "Pennant" antenna (see <http://www.angelfire.com/md/k3ky/page37.html> for details) was initially developed by José Mata Garriga, EA3VY, to be independent of local ground when it was used on the low frequency amateur bands. It was developed further by Earl Cunningham, K6SE for use on the 160 meter amateur band; he also created another design called the "Flag" antenna (there is also a "Diamond" variant mentioned on the above web site). K6SE posted the following comments to the Topband Reflector:

"Both the Pennant and the Flag are 14 feet by 29 feet in size. The triangular Pennant was given its name by me because of its shape. The other configuration, being rectangular, I decided to call the "Flag". All modeling for these antennas was done with the tops of the antennas at 20 feet high and the bottoms at 6 feet high, with all wire #14 gauge.

The correct termination resistor for the Pennant is approximately 900 ohms, which can go either at the point of the Pennant or in the center of the vertical section. The feedpoint is at the opposite end. The correct termination value for the Flag is about 950 ohms, which goes in the center of either vertical section, with the feed-point in the center of the other vertical section.

Both antennas are directional with a cardioid azimuth pattern with a deep null to the rear, just like the EWE. They are useful on 160m, 80m and 40m as a receiving antenna."

Like the K9AY and the Ewe, the feed-point of the Flag and Pennant incorporates a transformer. Peter Nesbit, VK3APN, suggests an FT140-43 toroid with 8 turns on the secondary, and 34 or 35 turns on the primary (for 900 or 950 ohms respectively).

Essentially, at low frequencies, the conductive ground a short distance below the K9AY and the EWE tend to stop the horizontal portion of the antenna from efficiently receiving much signal. In the Flag and the Pennant, the return horizontal wire near to the ground has a similar effect on the upper horizontal wire. So the vertical portion of each of these antennas picks up the largest amount of signal, but the Flag and Pennant antennas are not supposed to be as dependent on a conductive ground to suppress the signal picked up from the horizontal portions of the antenna.

(parts of this article were taken from A DXer's Technical Guide , from the archives of the Topband Reflector (info at <http://www.contesting.com/topband.html>), with special input from Guy Atkins and Patrick Martin. A DXer's Technical Guide can be obtained from the IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334 at \$10.00 for IRCA/NRC/MWC members, \$12.00 for non-members; overseas airmail add \$2.50)

For those who might like a look at the future of radio hardware, there is an overview of digital radio design (the ideal is to digitize the signal at the antenna; it's software from then on...) at <http://www.ednmag.com/reg/1999/102899/22df2.htm>. In addition, a digital receiver handbook is available at <http://www.pentek.com/digrecv/>

GEOMAGNETIC INDICES

Geomagnetic Summary February 15 2000 through February 21 2000
phil bytheway - Seattle WA - fokker_d8@yahoo.com
Tabulated from email status daily

2/ 8	174	10	2	low-mod	quiet-unsettled	-
9	199	11	1	low-mod	quiet-unsettled	-
10	176	9	2	low-mod	quiet-unsettled	-
11	170	12	2	low-mod	unsettled-active	-
12	163	55	4	low-mod	unsettled-mas	-
13	160	13	2	low	unsettled	-
14	159	21	2	low	unsettled-active	-
15	156	9	2	low	quiet-unsettled	-
16	160	8	2	low	quiet-unsettled	-
17	168	7	2	low-mod	quiet-unsettled	-
18	141	2	0	low	quiet-unsettled	-
19	145	5	1	low-mod	quiet-active	-
20	153	6	1	low-mod	unsettled-mis	-
2/21	152	19	3	low-mod	quiet-active	-

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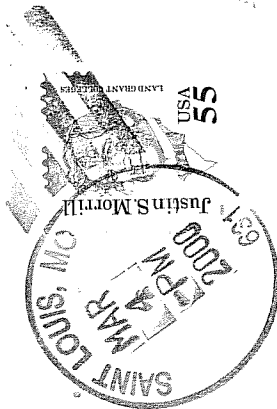
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The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year, weekly from October to March, twice in September and April, and monthly from May to August and in printed form 21 times a year (every other week September to April, monthly from May to August). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

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