

March 29, 1997 - Volume 34 - Number 25 - Edition 1118 - ISSN 899 - 9733

IN THIS ISSUE: Campaign Statements..2, DX Worldwide II..3, DX World-
 wide West..7, DX Worldwide East..9, Western DX Roundup..14, IRCA Con
 test Standings..17, Central DX Roundup..18, Geomagnetic Indices..20,
 Eastern DX Roundup..21, Verification Signers..23, Newfoundland DXpedi
 tion '96..25, President's Report..35, Election Ballot In The Center.

NEW MEMBERS: Keith Christianson of Falls Church VA, Andrew Ooms of
 Pine AZ. **RENEWALS:** Robert Lamorgese of New City NY, Don Ingram of El
 Segundo CA, Jack Woods of Waldport OR, Mark Connelly of Billerica MA,
 Terry Ryan of Bellerose NY, Ray Moore of La Belle FL. Welcome to the
 new members Keith and Andrew. Thank you all for the support.....

1997 IRCA CONVENTION: July 25, 26, 27 Holiday Inn 3131 S Bristol
 Costa Mesa CA 92626. Make reservations with sales department at
 1-714-557-3000, be sure to mention convention rate. Registration fee
 \$35.00 payable to: Mike Sanburn PO Box 1256 Bellflower CA 90707. Be
 sure to get your \$35.00 in early so Mike can keep things in order....

1997 M STREET RADIO DIRECTORY

The IRCA Bookstore is proud to announce that the 'M Street Corporation'
 has agreed to offer a discount on their 1997 'M Street Radio
 Directory'. The Directory contains a complete listing of over 15,000
 radio stations (AM/FM, US/Canada) including the following information:
 facilities, ownership, formats, LMAs, station personnel, phone numbers
 (and FAX), addresses, ratings, as well as information on almost 400
 radio markets in the US and Canada. Stations are listed by location
 (complete info), frequency (frequency, call, location, power and
 pattern) and call (call, frequency, location) and market (frequency,
 call, location, rating, format). It also includes a former call
 reference (old call, location and current call). Major network
 information (addresses/phone numbers/etc) and several interesting radio
 articles are included as well.

The price to US and Canadian members ordering through the IRCA
 Bookstore is \$44.95 post paid (UPS address required). The book is
 expected to be out by the end of May (usual disclaimer on date 'cause
 we can't be sure!). Retail will be 55.95.
 Europe - add \$5.00 for surface, \$19.20 for airmail delivery.
 Australia/New Zealand - add \$5.00 for surface, \$27.25 for airmail
 delivery. IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334
 Please make checks payable to: Phil Bytheway.

RENEWING: Please note the numbers above your name on the address label
 this is your expiration number, a 34-25 means your membership in the
 IRCA will expire with this issue. I will rubber stamp a reminder on the
 front page of your DXM and I will try to remind you 2 issues before you
 expire. If you have not renewed on time your name will be removed from
 the address list, so please try to renew early...Thanks.....

KSLM Radio — Lucky 1390 AM

520 West Hills Way • Salem, OR 97304 • Phone (503) 363-1390 • FAX (503) 363-5688

1997-1999 IRCA Officers Elections - Campaign Statements

The following are all the campaign statements that have been received by those nominees who have agreed to run for office and, at their option, have chosen to submit such statements. They have not been edited and appear as submitted. In accordance with the IRCA Bylaws, they appear in alphabetical order by candidate's last name - Reid Wheeler, ECC

Phil Bytheway (Seattle, WA) - President

Those of you who nominated me for IRCA President again, thank you for your confidence in my abilities. As I have done the last two years, if elected I will continue to work toward the betterment of IRCA by any means... and will handle the club affairs as my busy schedule allows. Thanks again for your vote of confidence.

Lee Freshwater (Ocala, FL) - Board of Directors

It is with pleasure that I accept the IRCA's nomination for a position on its Board of Directors. For those who are not familiar with me, I have been an IRCA member for the past 3 DX seasons. I rejoined after years on inactivity. For the past 18 months I have been the editor of the Eastern DX section of the DX Monitor. Last summer I had the unique privilege of hosting the annual IRCA Convention. Last year the membership honored me with the "Ric Heald" award, perhaps the highlight of my DX'ing hobby. I would like to return that honor by representing the club in any manner. I have also been lending assistance to the CPC by arranging numerous DX tests for the club over the last three years. I hold a degree in Journalism/Telecommunications/&Film from Ball State University. For the past 30 years, I have been in the Broadcasting Industry as Station Announcer, Program Director, Owner and Engineer. Since 1989 I have been Director of Engineering for Asterisk Communications of Florida, maintaining their broadcast properties all over the state. These activities perhaps qualify me for this position, but I will leave that up to the membership. I urge ALL our members to look over this fine list of DX'ers and take part in YOUR club. I thank you for this honor.

Larry Godwin (Missoula, MT) - Board of Directors

I'm running for a third term as Director on the IRCA Board and would appreciate your vote. I've enjoyed watching our club flourish over the years, thanks to every active member's contribution. If reelected, I will do my very best to help guide the IRCA on a strong, stable course, and secure its continued existence as a growing, separate entity.

Nick Hall-Patch (Victoria, BC) - Board of Directors

As an IRCA member for over twenty years, and a regular if not extensive contributor during that time, I have some familiarity with the club and its history. Although BCB Dxing has not really grown in popularity as a hobby during those years, IRCA is presently blessed with an active core of contributors and editors. The group running for Board of Directors is representative of that active core so no matter where you place your vote, you will be getting a good board. My concern is with our difficulty in finding a new publisher when Ralph wanted to step down. On this and other issues, I'd certainly be interested in representing the membership, but if it would affect your vote, I should state that I'd prefer to roll IRCA in with NRC than to have the club fold for lack of a publisher. The BCB Dxing hobby is too small and specialized to allow old animosities to affect its future.

Mike Hardester (Jacksonville, NC) - Board of Directors

I would like to begin by thanking whoever nominated me for another term as a member of the IRCA Board of Directors. As you are well-aware, the IRCA has faced several important issues over the past several years, and each matter has been resolved in a manner benefiting the club. The future promises to offer additional challenges for our club, and as in the past, I would like to be one of YOUR representatives that helps continue to shape the IRCA's future. Your input will ALWAYS be welcome, and I will rely on such to make decisions. One MAJOR area of concern I have heard repeatedly voiced is taking the *DX Monitor* from a paper publication to an on-line (e-mail) publication. As you know, there is a limited e-mail version of *DX Monitor*: "SDXM." I believe and support this concept, but NOT at the expense of the hard-copy which we all receive at present. While there may be a need for some changes, I fully support the continuation of our present (hard-copy) bulletin, and will fight for such a continuation. Your support and vote in the upcoming election will be very much appreciated. Thank you! Very 73 and Best of DX de Mike.

John C. Johnson (Billings, MT) - Board of Directors

It would be a pleasure to be elected to the Board of Directors. As many of you know I have served on the Board before, and would serve to the best of my ability if elected again. I am your Central DX Roundup editor, and do keep up on all club activities. Your vote would be appreciated.



DX WORLDWIDE II

Bruce Portzer, Editor

6546 19th Avenue NE, Seattle WA 98115

BPortzer@brigadoon.com (206)522-2521

Greetings. A lot has been happening in the world of radio lately. The BBC is trying to privatize its transmitting facilities, France has dropped an entire MW network (much to the excitement of European DXers), and Austria has or will return to MW. I also have various lists etc on hand, but I'll hold off on some until next time.

Note my new E-mail address. The old provider had a few problems, not unlike those of AOL.

BBC TRANSMISSION SOLD

(via Richard Buckby-UK, Jan 8, via WWDXC)

The long awaited privatization of the BBC Transmitter networks seems to have finally taken place. According to today's "Daily Telegraph" the domestic network, which includes UHF TV, VHF/FM radio, and MW & LW sites, has gone to "The Castle Tower Corporation" a consortium which is based in Houston, Texas and operates 1,200 broadcast sites in the US and Caribbean. They are believed to be paying 210 million pounds for the network of 740 sites. The World Service sites will remain in the hands of its management via a buyout vehicle called "Merlin Communications International". The business is worth roughly 15 million pounds according to the London Daily Telegraph. Contracts are expected to be signed this month and the BBC will invest the proceeds from the domestic network in its proposed digital services. The proceeds from the World Service sell-off will go to the UK government.

Merlin Communications International, management and employee buyout team from the World Service's Program Delivery Service, is the preferred bidder for the World Service business. A consortium led by Houston, Texas-based Castle Tower Corporation, which operates more than 1,200 wireless and broadcast communication sites throughout the United States and the Caribbean, and including TeleDiffusion de France, is the preferred bidder for the Home Service business. No figures have been released by the Corporation as yet, but press estimate the value of the sale at somewhere above the book value of £210 million. The contract with the CTC Consortium is expected to be signed by the end of this month, with the signing of the

contract for the World Service business following as soon as practicable.

Proceeds from the Home Service sale will be used by the BBC to help finance its move into the digital age; proceeds from the World Service sale revert to the Government. Further details will be announced on the signing and completion of the contracts. Deputy director-general Bob Phillis, who has overseen the sale process, said: 'Our stated criteria were to select a preferred bidder in the best interests of the BBC, its license payers and its staff. This required us to evaluate the various financial, technical and qualitative factors. The Home Service management and employee buyout team made a very strong and professional bid, but this was an intensely competitive sale.'

Assets included in the Home Service sale are: A ten-year contract for transmission of BBC1 and BBC2 analog tv, BBC analog national, regional and local radio, DAB phase 1 and other services. Transmission HQ at Warwick and most of the equipment there. Freeholds and leaseholds to 740 HST transmitter sites, including equipment. Site sharing agreement with NTL, the company which transmits commercial tv services. The benefit of contracts of employment with some 500 staff. Freeholds and leaseholds relating to property in Daventry, and at Brookman's Park in north London. Commercial contracts with third parties for other services. In the World Service deal, assets include: A ten-year contract for distribution of World Service radio; operation and maintenance of seven overseas sites (but not the sites themselves, which are being retained by the BBC/FCO). WS Program Delivery Service - the coordinator for delivering WS Radio to its audience (contracts with 67 staff plus access to the Bush House control room) - and World Service Transmission operations. Global Distribution System (a digital satellite system) and third party distribution contracts. Four UK sites, one FCO owned. Commercial contracts for hiring out transmission capacity in the UK and/or overseas.

2 RADIO CAROLINES TO HIT THE AIR

[via DSWCI]... Rob Eden, former Caroline and Radio Northsea International disc-jockey sends us an e-mail, via Hans Nott [phonetic], that Radio Caroline may be

coming back, starting with test transmissions any day from a location in Country Louth in Ireland, rather than from offshore waters.

The frequency is 864 kHz with a high-power transmitter formerly used by Radio Nova [a commercial radio station which operated from the Republic of Ireland during the 1980s]. Most of the finance will come from religious programmes, and the music shows are to be recorded in the UK.

In the meantime, Peter Moore, who was station manager for Caroline from 1987-1990, says he's signed a contract for leasing satellite airtime under the name Radio Caroline and that these broadcasts will also start soon from aboard the "Ross Revenge", the Caroline radio-ship temporarily anchored in Chatham harbour [in Kent, United Kingdom]. It's not known yet which transponder and when the transmissions will start. (Media Network /Radio Netherlands 6 Feb via BBCM)

TRANS ATLANTIC

AUSTRIA: The 1476 xr is back on the air again. As of 1/17 1830-1930 UTC, 7 different broadcasting groups will use the Vienna Bisamberg xr again, power is 600 kW. Transmitter may also used for foreign broadcasts in Serbian to Yugoslavia [WWDXC]

BELGIUM: BRTN 1512 will cease all GG, SS, & AA pgms 10/26/97. BRTN Monopoly will end later this year, paving the way for commercial MW/FM stations. [Arctic]

ESTONIA: Here is a list of medium wave transmitters in Estonia. This list was found on the web site operated by their counterpart to the FCC. The list also included a bunch of indecipherable technical info which I edited out (the explanatory text was printed in Estonian). All transmitters are apparently non directional.

RK8113 LAITSE	612
RK8119 KOHTLA-NOMME	612
RK8106 PARNU-TAMMISTE	711
RK8108 KOHTLA-NOMME	711
RK8111 TARTU-HAAGE	711
RK8117 KARDLA-REHEMAE	711
RK8114 VORU-KIRUNPAA	810
RK8115 HAAPSALU-UUEMOISA	810
RK8101 LAITSE	1035
RK8107 ORISSAARE	1215
RK8112 TARTU-HAAGE	1566
RK8116 VILJANDI-VIIRATSI	1602

FRANCE: all medium wave stations carrying France Inter (or Network A, as the WRTH calls it) are now silent. They have gone due to budget cuts voted by the French parliament. Listeners have been advised to return to FM. What's still unclear however is whether

the MW frequencies will come up again when major sporting events are on. These are normally carried on AM while the normal programme goes out on VHF/FM. If they are not reactivated on those days people will have to tune to 162 kHz LW, which is very poor in many areas, it suffers greatly from interference from east European stations and at times also from the so-called "Luxembourg effect". Well, we'll see what happens on January 25, when the French soccer season starts again. Another mystery is what will happen to the Lille transmitter on 1071, which at certain times carried "Radio Urgence" (the station for the homeless) in the north of the country. The worst part of it all is the closure of the Marseille transmitter on 675 (600 kW), as this was the only link many French nationals in North Africa kept with home. 162 is no good in Algeria or Tunisia whereas 675 was heard there almost like a local station. As usual in such cases, those who can afford it will buy satellite dishes, but the poorer part of the population won't. Also the government here keeps pestering us with the promotion of the French language and culture in the world (and especially in the Maghreb) and all they do is scrap a radio station that was the best instrument for that! The Nancy transmitter on 837 (Radio Bleue, Network B) was also silent on New Year's Day but it is back now with a greatly improved signal (both HF and audiowise). My guess is that the engineers have converted the 1350 transmitter to 837. It now covers my area (the Rhine valley) with a very good signal. The Strasbourg transmitter on 1278 (WRTH says Strasbourg, but it is actually Strasbourg) carries many regional opt-out programs, so Radio Bleue was at times not available to many of us. About two million people live in that area. Until last November 1278 was also used for the German programs of Radio France Internationale, but RFI have decided to broadcast these only via satellite and a couple of FM outlets and cable networks in Germany. However the time slot previously used for German (1800 to 1900 daily) is still used by RFI. A French program is now carried on 1278. The silly thing about it is that they have chosen to put the French program to Africa on that channel instead of the European version. RFI to Africa is now heard with very good signal strength in many parts of central Europe while the programs for Europe (only available on SW) are very difficult to receive due to the present conditions on SW. [Friess, MWC]

Radio France International observed on 675, on 2/9 at 1910, with a programme for Africa. This one was off the air again after 1930. [Bruehlhart, MWC]

GERMANY: Voice of Russia relay via 1323 Wachenbrunn Germany: 0600-1000 & 1200-1600 English, 1000-1200 & 1600-2000 German, 2000-2100 Russian, 2100-2200 French, 2200-2300 Portuguese. Same schedule exc. Portuguese via 693 Berlin

Uhlenhorst (at estimated 5kW low power). [BDXC] WDR2-720 is now back to full power [Arctic]

MACEDONIA(?): 849 UNID is being hrd w/good/very good signal in Italy. Male & female announcers in Albanian/Macedonian (probably), with music and phone-in around 1635 hrs. At 1700 time check, news then kind of music contest (it sounds like radio concursico musico) until 1740. No identification noted but some telephone calls were from Tirana. Still there with good audio at 1850. [Buchanan, MWC] Unid Albanian/Macedonian station, at first logged on 849 and recently moved on 852, it's off the air since 27 January. [Buchanan, MWC]

NETHERLANDS: Since January 1st the Dutch station Talk Radio has occupied the 1395 channel replacing Jazz R which is now only available on cable in Holland. In its last few days Jazz R was advertising a survival kit; perhaps it would help those listeners who liked to hear it on MW. Talk Radio announces itself as 24 hr [Whitt, MWC] Radio 5 891 now signs off at 2130, 2200 Sat 2140 Sun [Arctic]

QATAR: Harris Corp has received an order for a 2000 kw xr to be installed at Al-Arish, no freq given [Harris press release]

TANZANIA: Radio One, previously FM only, is now also on 1440 [PlayDX]

UNITED KINGDOM: Radio Argus London was transmitting on 783 before Xmas and announcing a move to 1125. In actual fact they moved to 819 with an appallingly modulated transmitter. They plan to use 1125 and 819 so monitor these channels for rock music. [Whitt, MWC]

TRANS PACIFIC

HONG KONG: The BBC SW relay here has closed down for good, all antennas have been taken down and along with the xrs are being packed up for shipment to an as yet unknown location [WWDXC] The three commercial AM broadcasters in Osaka, Japan, announced February 7 that they will together set up a 300-watt relay transmitter in Kyoto to improve nighttime reception. The stations are JONR (1008), JOOR (1179), and JOUF (1314), all 50 kW. If approved as expected, the new relay station will start operation in April. The new frequencies were not announced today. [Ashimori, Hard Core DX]

NEW ZEALAND: V of the Mountains 1422 noted with a much improved signal, possible xr/ant upgrade. Sports Radio Hamilton has moved from 576 to 792. Counties Manukau R 936 began operation on 10/7,

making it the 24th station in the Auckland area. Auckland Maori stn Ruia Mai 1179 operates 0700-0900 & 1830-2130 daily. The BBC relay on 990 has upgraded its xr and is now "10 times as powerful" [DXC/NZDXT]

PHILIPPINES: DYRL-1035 Bacalod City ex 1341 with 10kw [Arctic]

RUSSIA: Voice of Russia W96 MW schedule, S-Siberia, FE-Far East Russia:

kHz	kW	call	tx location	UTC
585	1200	RV769	Belogorsk, S	1100-1500
603	??	??	China	1200-1300
630	500	RV750	Komsomolsk-Amur, FE	1100-1400
648	1000	RV445	Ussuriysk, FE	1000-1600
720	1000	RV679	Yuzhno-Sakhalinsk, FE	1100-1400
801	1200	RV116	Atamanovka, S	1100-1600
1080	1000	RV489	Angarsk, S	1230-1600
1251	600	RV70	Ussuriysk, FE	1000-1600
1269			China	1300-1500

[WWDXC] Radio VBC 612 Vladivostok ex 1557, 24 hrs; Khabarovsk 612 has 1300 s/off [Arctic]

TAIWAN: Cheng Sheng BC Stn, Taipei is 891 ex 1170, Taiwan Area Fishery BS Ilan new on 1593 with 1 kw [Arctic]

Revised schedule for Central Broadcasting Station - Network 1 - Mandarin

2055-2200	747	900	927	1098	1521	1206	3335	7250
2200-0100								1098 7250
0100-0200								7250
0200-0355								7250 11970
0355-0955	900	3335	7105	11775	11970			15320
0955-1600	900	927	1098	1521	3335			7250 15320
1600-1900	747	900	927	1098	1206	1521	3335	7250 15320
1900-2055	747	900	927	1098	1206	1521	3335	Net-
								work 2 - Mandarin
1600-2200								6040 9690
1900-2200								603 1008
0955-1900	603	1008	6085	6180	7105	9630		11775

Network 3 - Cantonese

0355-1555								6040 9690
-----------	--	--	--	--	--	--	--	-----------

Network 3 - Amoy

0355-0955								603
0955-1555								747

Network 3 - Hakka

0355-1555								1206
-----------	--	--	--	--	--	--	--	------

[Hans van den Boogert, via Hard Core DX]

LATIN AMERICA

SURINAM Thanks to Leonard Johanns in Paramaribo, the Surinam station on 670 has been identified as RADIKA, which he says was reactivated a few years ago after being torched by the military in 1982. [Jean Burnell]

RADIO FREE EUROPE/RADIO LIBERTY

[From Paul Ormandy, via Hard-core DX] Just received the Jan 1st till March 29th sked for RFE/RL and here are the MW freqs, UTC time, language, power, transmitter location

612 18-1900 Lithuanian 50kW Vilnius
612 09-1000 Russian 20kW Kohtla-Nomme
612 09-1000 " 150kW Tallin
666 18-1900 Lithuanian 500kW Kaunas
756 04-0500 Russian 10kW Ufa
" 07-0800 " " "
" 17-1800 " " "
828 04-0600 Russian 10kW St Petersburg
" 15-2100 " " "
873 04-0500 Ukrainian 50kW Kiev
" " " 7kW Vinnitsa
" " " 25kW Wolochysk
" " " 10kW Dnepropetrovsk
" 06-0700 " 50kW Kiev
" " " 7kW Vinnitsa
" " " 25kW Wolochysk
" " " 10kW Dnepropetrovsk
" 18-2100 " 50kW Kiev
" " " 7kW Vinnitsa
" " " 25kW Wolochysk
" " " 10kW Dnepropetrovsk
909 03-1000 Russian 10kW Ekaterinburg
" 16-2000 " " "
918 03-0400 Russian 75kW Moscow
" 04-0410 " " "
" 05-0510 " " "
" 17-1900 " " "
1071 0610-07 Slovak 25kW Brno-Domamil
" " " 10kW Hradec Kralove
" 19-2210 " 25kW Brno-Domamil
" " " 10kW Hradec Kralove
1098 03-1200 Russian 10kW Moscow
1197 17-1900 Serbo-Croat 300kW Munich
1233 0610-07 Slovak 400kW Melnik
" " " 30kW Ostrava-Svinov
" " " 25kW Brno-Komarov
" " " 10kW Litovel
" " " 7kW Jihlava
" 19-2210 " 400kW Melnik
" " " 30kW Ostrava-Svinov
" " " 25kW Brno-Komarov
" " " 10kW Litovel
" " " 7kW Jihlava
1260 04-0500 Ukrainian 50kW Kharkov
" 06-0700 " " "
" 18-2100 " " "
1278 04-0500 " 150kW Odessa
" 06-0700 " " "
" 18-2100 " " "
1287 19-2210 Slovak 150kW Litomysl
" " " 30kW C. Budejovice
" " " 20kW Radomysl

" " " 20kW Plzen-Prestice
" " " 20kW Karlovy Vary
" " " 2kW Liberec
" " " 14kW Poprad
" " " 14kW Presov
" " " 400kW Velke Kostolany
" " " 150kW Litomysl
" " " 30kW C. Budejovice
" " " 20kW Radomysl
" " " 20kW Plzen-Prestice
" " " 20kW Karlovy Vary
" " " 2kW Liberec
" " " 14kW Poprad
" " " 14kW Presov
" " " 400kW Velke Kostolany
1296 04-0500 Azerbaijani 125kW Pirsaat
" 16-1700 " " "
" 19-2000 " " "
1323 13-1400 Kyrgyz 30kW Bishkek
" 16-1700 " " " 18-1900 Russian
" " 1341 01-0200 Kazakh 30kW Almaty
" 13-1400 " " "
" 00-0100 Russian " "
" 02-0300 " " "
" 05-0700 " " "
" 14-1600 " " "
1349 04-0500 Ukrainian 50kW Donetsk
" 06-0700 " " "
" 18-2100 " " "
1476 04-0500 " 30kW Lvov
" 06-0700 " " "
" 18-2100 " " "
1530 04-0500 Azerbaijani 7kW Baku
" 16-1700 " " "
" 19-2000 " " "
" 17-1900 Russian " "
1566 09-1000 Russian 2.5kW Tartu
1593 19-2030 Serbo-Croat 150kW Holzkirchen
" 21-2200 " " "
" 2230-23 " " "
" 0610-07 Slovak " "

AUSSIE LIST REVISITED

Chuck Boenke write in response to my comment last time about why expanded band stations are being allocated to Darwin:

"I was told by a friend that visited Darwin recently that the AM dial is impossible at night. Asians blast in at incredible levels. Even some come through during the day. Perhaps that's why a new station would want to be on the expanded band, to avoid interference and have a chance to be heard in the local area of Darwin, especially at night."

That does it for this timearound. 73 and enjoy what's left of this season.



DX Worldwide - West

PAT MARTIN PO BOX 843 SEASIDE, OR 97138
Time: UTC Phone (503) 861-3185

DX continues to be pretty good this week with the logging of The Zhejiang P.B.S. topping KGO-810! That is rare here with KGO running an ERP of 150-200 KW North. See below under TP DX. We have report this time around from Larry Godwin and also Jack Woods for Tropical Band DX. So away we go.

PAN-AMERICAN DX ROUNDUP

- 710 CUBA, atop KIRO at 0400 3/2. Precisely on the hr, I heard melodic chimes and man say "Rebelde, La Havana" followed by 3 pips. (LBG-MT)
MEXICO, Cd. Cuauhtemoc XEDP in w/familiar ID jingle for "La Ranchera de Chauhtemoc" at 0404 3/3 (LBG-MT)
MEXICO, Mexico City XEMP weak but on top w/"Radio 710" ID at 0405 3/4. A bit stronger w/same ID at 0400 3/6 with "Cielito Lindo" played on a carnival mx box in the background. (LBG-MT)
UNID, SS speaker seemed to mention the letters "CB" and gave slogan that sounded like "Radio Caruna" at 0400 3/4 (LBG-MT)
- 730 MEXICO, Mexico City XEX very strong and all alone at 0354 2/28. ID was "La X, 730-AM" (LBG-MT)
- 930 MEXICO, UNID atop local KLCY (nulled) on 3/1. At 0355 ancr referred to "pueblo de Mexico" and at 0400 there were 6 pips. (LBG-MT)
- 1200 UNID, SS speaker all alone at 0409 2/28. Ancr said something like "Fe Conditia" after song ID? (LBG-MT)

TRANS-PACIFIC DX ROUNDUP

- 531 JAPAN, Morioka JOQG very good o/CC at 1234 3/12 (PM-OR)
- 540 P.R. CHINA, CPBS (CNR) fair o/JJs with CC talk at 1241 3/12 (PM-OR)
- 594 JAPAN, Tokyo JOAK assumed the moderately strong oriental with NHK pips at 1400 3/9. It's the only NHK listed. New (LBG-MT)
- 621 P.R. CHINA, Heilongjiang P.B.S. good w/CC opera at 1309 3/12 (PM-OR)
- 666 RUSSIA, fairly strong RR talk with EZL mx at 1307 3/12 (PM-OR)
UNID, oriental, weak but readable at 1400 3/11 w/distinctive IS. I hrd 2 pips seemingly identical in pitch to NHK, then silence for 3 seconds followed by a final pip of higher pitch. Does this sound familiar? Maybe Russia or China? (LBG-MT) (The Russian has been quite strong the past week or so, maybe them. PM)
- 675 P.R. CHINA, Hohhot Nei Menggu presumed the strong Chinese/Mongolian type language (Minority) heard 1254 3/15. Holding its own between 670/680. This sounded sim. to what I heard here a couple years ago, and I received a FD letter in old Chinese from Hohhot. (PM-OR)
- 702 JAPAN, with good signal 3/9 at 1300 w/NHK pips. There are two 10KW stations listed. (LBG-MT) (The 10KWer in Kitami JOKD is hrd here more often than Hiroshima which in farther. PM)
- 711 UNID, oriental moderately strong thru c6-channel QRM from KIRO at 1358 3/8. Faded before the hr. Maybe HLKA-Seoul? (LBG-MT) (likely, has been strong lately. PM)
- 792 REPUBLIC OF KOREA, HLSQ, Seoul BC presumed with woman in KK and soft KK pops at 1350 3/15. (PM-OR)
- 810 P.R. CHINA, Zhejiang P.B.S. good on top of KGO and UNID KK with woman in CC, ment of "Zhejiang" two or three times in conversation, Quite strong at times off Northern Beverage at 1340 3/15. Taped report sent. New. (PM-OR)
KOREA, probably D.R. with war type mx and marches at 1340 3/15, way behind CC/KGO, man in KK talk (PM-OR)

- 1134 UNID, oriental station fairly strong at 1400 3/10. Man and woman spoke, followed by upbeat inst. mx. Then there were 4 pips. The pitch of the first three was higher than NHK pips, and the sound not melodic. Who? Tape enclosed on this. (LBG-MT) (LBG your UNID was in KK, so I presume The First Liberty station, which is often hrd here. PM)
- 1614 D.R.KOREA, assumed the one w/strong open carrier at 0159:30(? PM) (It this MST?PM) flute mx appeared followed by a man singing in an opera-like tone, w/no talk. I assume this was s/on. (LBG-MT)

TROPICAL BAND COLUMN

- 2485 AUSTRALIA, Katherine VL8K 3/13 1135 Poor w/ABC Nx, into mx.(JW-OR)
- 3210 COSTA RICA, Radio Exterior Espana relay SS talk. Very good signal 3/13 1144 (JW-OR)
- 3250 D.R.KOREA, Radio Pyongyang 3/13 1150 Fair signal w/fades and there was Classical mx (JW-OR)
- 3280 P.R.CHINA, Shanghai 3/12 1356 Very Good w/pop mx, CC vocals //4950 khz (JW-OR)
- 3320 D.R.KOREA, Pyongyang 3/13 1155 fair to good w/choral mx and band mx at 1158 (JW-OR)
- 3320 SOUTH AFRICA, Meyerton SABC Fair to good 3/15 0412. Man speaking Afrikaans, into pops (JW-OR)
- 3345 INDONESIA, Ternate 3/12 1418 presumed w/pops, man speaking fair to good. (JW-OR)
- 3955 SOUTH AFRICA, Meyerton Channel Africa Good 3/15 0420. Man speaking Afrikaans, occ. phrases in EE (JW-OR)

THANKS TO THESE REPORTERS

- LBG-MT LARRY B. GODWIN, 2390 CLYDES DALE LANE, MISSOULA MT 59804
lbg@selway.umd.edu; Hammarlund HQ-150, Sanserino air core box loop
- JW-OR JACK WOODS, P.O. BOX 1003, WALDPOR OR 97394
LOWE HF 225E, 75' Wire
- PM-OR YOUR EDITOR
Drake R8, Term. "U" antenna, 900' NNW Beverage, 1500' E Beverage,
Ground system, TUN4 unit.

IRCA Reprints

The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to:

**IRCA Reprints, c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90,
E Palo Alto CA 94303.**

IRCA Foreign Logs

The IRCA has published nine volumes of the IRCA Foreign log. Each volume contains the several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include: articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The IRCA Bookstore still has volumes 3, 4, 6, 7 and 8 of the IRCA Foreign Log available for \$2.50 each (overseas airmail add \$2.50/book).

Order from the IRCA Bookstore, by sending the correct amount (in US funds) to:

IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!

DX WORLDWIDE EAST

Temporary Editor: Mark Connelly, WA1ION
E-Mail: MarkWA1ION@ix.netcom.com
S-Mail: 30 William Rd, Billerica MA 01821-6079

This column is for international DX loggings (no US/Canada station logs by US/Canada DXers) by members in the time zones from Central (winter: UTC-6) eastward to UTC+6. Others: report to Pat Martin's DX Worldwide West. Please report in the format I've used for my DXWW-E reports. Times are UTC. Dates should use 3-letter month abbreviations (rather than all numbers).

Reporter: Mark Connelly

[B] = Billerica, MA <home> (GC= 71.221 W / 42.532 N)
[H] = East Harwich, Cape Cod, MA (GC= 70.02 W / 41.71 N)
[R] = Rockport, MA <Granite Pier> (GC= 70.622 W / 42.667 N)

Receiver: Drake R8A

Antenna systems: slopers, RL-1 remotely-tuned loop, RW-1 active whip, DCP-2 dual controller / phaser, Mini-MWT-3 regenerative preselector

*** TRANS-ATLANTIC DX ***

- 153 ALGERIA, Bechar, MAR 9 0513 - // 549 w/ Koranic male AA vocal; good. [H]
- 162 FRANCE, Allouis, MAR 9 0513 - man & woman in FF; very good. [H] -
- 171 MOROCCO, Nador, MAR 9 0512 - AA female vocal & violins, then AA talk by man followed by light pop song in EE; excellent. [H]
- 183 GERMANY, Saarlouis, MAR 9 0510 - man in FF, then dance music w/ female vocal; excellent. [H]
- 198 UNITED KINGDOM, BBC, Droitwich et al., MAR 9 0509 - EE news interview w/ man & woman; fair. [H]
- 207 MOROCCO, Azilal, MAR 9 0023 - // 819 w/ AA vocal & strings; fair. [H]
- 216 FRANCE, R. Monte Carlo, Roumoules, MAR 9 0508 - movie song "Doing that Thing You Do"; very good. [H]
- 234 LUXEMBOURG, Junglinster, MAR 9 0507 - FF showtune-style vocal; excellent. [H]
- 252 IRELAND, Atlantic 252, Kilmessan, MAR 9 0505 - "It's All Coming Back to Me" by Celine Dion; good, o/ AA station (Algeria). [H]
- 270 CZECH REPUBLIC, Uherske-Hradiste, MAR 9 0504 - good w/ Slavic talk mentioning socialists. [H]
- 531 ALGERIA, Ain-El-Beida, MAR 9 0208 - // 549 w/ "militant" march-style AA male group vocal; fair, in mix w/ Spain & others. [H]
- 549 ALGERIA, Les Trembles, MAR 5 0214 - AA male vocal, plucked strings, then AA teletalk; excellent. [R]
 - + MAR 9 0059 - rustic AA music that sounded almost like an Irish jig; monster signal (S9+40: at least 20 dB stronger than the 550 cluster). [H]
 - + MAR 16 2308 - AA male choir in a vocal style similar to Gregorian chants; good. [B]
- 558 SPAIN, RNE5 synchronos, MAR 5 0213 - woman in SS; in WGAN slop. [R] -
- 567 IRELAND, RTE R.1, Tullamore, MAR 5 0210 - LOUD w/ man & woman in EE talking about the feuding among Greek, Slavic, and Albanian factions in Macedonia. [R]
 - + MAR 9 0456 - "Your Song" by Elton John, then man in EE; good.
 - + MAR 9 0515 - telephone discussion w/ woman talking about children with autism and other handicaps; local-like signal. [H]
 - + MAR 16 2313 - man & woman in EE, then piano music; to fair peak. [B]
- 576 SPAIN, RNE5, Barcelona, MAR 9 0057 - song "Jesus Christ Superstar" // other RNE's; fair, o/ other. [H]
- 585 SPAIN, RNE1, Madrid, MAR 9 0055 - // 855 w/ title song from "Jesus

- Christ Superstar"; fair in VOCM slop w/ WBNW nulled. [H]
- 603 FRANCE, Lyon-Tramoyes, MAR 9 0518 - FF folk vocal; slightly o/ others. [H]
- 603 SPAIN, RNE5, Sevilla / Palencia, MAR 9 0047 - // 684 & 855 w/ showtunes, then SS talk. [R]
- 612 IRELAND, Athlone, MAR 9 0455 - country music, then some awesome traditional fiddling; good. [H]
- 639 SPAIN, RNE1, La Coruna et al., MAR 5 0205 - SS news; in CBN slop. [R]
- + MAR 9 0241 - // 774 w/ Latin American style music, then man in SS; good. [H]
- + MAR 16 2321 - poor to fair w/ man in SS. [B]
- 648 SPAIN, RNE1, Badajoz et al., MAR 9 0218 - woman in SS, then music; poor w/ slop from local-like Antena Dos on 650. [H]
- 657 SPAIN, RNE5, Madrid, MAR 9 0248 - // 774 w/ woman in SS; fair w/ WFN phased. [H]
- 666 PORTUGAL, RDP, Lisboa, MAR 9 0045 - group vocal in a style similar to that of Pink Floyd; good. [H]
- 675 NETHERLANDS, R. Ten Gold, Lopik, MAR 5 0245 - slow version of "Don't Cry for Me, Argentina". [R]
- + MAR 9 0043 - good w/ "Time After Time" by Cyndi Lauper. [H]
- 684 SPAIN, RNE1, Sevilla, MAR 5 0201 - SS news mixing w/ the Yugoslav. [R]
- + MAR 9 0016 - // 855 w/ EE female vocal from "Jesus Christ Superstar"; fair to good. [H]
- 684 YUGOSLAVIA (SERBIA), Beograd, MAR 5 0202 - man reading news in a Slavic language took over from co-channel Spain. [R]
- 693 AZORES, RDP, Santa Barbara, MAR 5 0240; PP talk; atop BBC UK. [R]
- 693 UNITED KINGDOM, BBC, Droitwich et al., MAR 5 0155 - EE talk mentioning economic issues; fair. [R]
- 702 MOROCCO, RTM, Sebaa-Aioun, MAR 9 0040 - man in AA; dominant. [H] -
- 729 SPAIN, RNE1, Oviedo et al., MAR 9 0036 - // 738 w/ man & woman in SS, o/ likely Ireland w/ music; fair w/ CKAC nulled. [H]
- 738 SPAIN, RNE1, Barcelona, MAR 5 0154 - SS talk; loud w/ only slight CHCM QRM. [R]
- + MAR 9 0035 - LOUD w/ man & woman in SS. [H]
- 747 CANARY ISLANDS // SPAIN, MAR 9 0235 - SS vocal; o/ others. [H] -
- 756 GERMANY, Deutschlandradio, Braunschweig/Ravensburg, MAR 5 0146 - grand opera // 1422; o/u Spain. [R]
- 756 SPAIN, R. Euskadi, Bilbao, MAR 5 0146 - SS talk by man & woman; mixing w/ Germany. [R]
- 765 SENEGAL, Dakar, MAR 9 2352 - drumming, chant; poor in WABC slop. Switzerland under, 10 Hz SAH resulting. [B]
- 765 SWITZERLAND, SR, Sottens, MAR 9 0252 - classical violin & orchestral music; good to excellent. [H]
- + MAR 16 2324 - classical music; fair to good. [B]
- 774 SPAIN, RNE1 synchros, MAR 5 0236 - woman in SS; fair through WABC slop. [R]
- + MAR 16 2330 - SS teletalk; fair w/ WABC phased. [B]
- 783 SPAIN, COPE, Barcelona, MAR 5 0144 - SS teletalk w/ man & woman in studio; o/ others. [R]
- 792 SPAIN, SER, Sevilla, MAR 9 0026 - man & woman in SS; good, o/ minor CFAN slop w/ WLKW phased to the mud. [H]
- 819 EGYPT, Batra, MAR 9 0021 - Koranic chant; briefly atop Morocco. [H]
- 819 MOROCCO, Rabat, MAR 9 0023 - // 207 w/ male AA vocal and strings; rising o/ Egypt. [H]
- 855 SPAIN, RNE1, Murcia et al., MAR 5 0140 - SS group discussion; good w/ WEEI-850 phased. [R]
- + MAR 9 0014 - female vocal "Everything's All Right" from the musical "Jesus Christ Superstar"; excellent / local-like. [H]
- 864 EGYPT, Santah, MAR 5 0138 - male Koranic AA vocal; loud. [R]
- 864 SPAIN, RNE1, Socuellamos, MAR 5 0139 - fast SS talk by man; far under the Egyptian. [R]
- 873 SPAIN, SER R. Zaragoza, Zaragoza, MAR 9 0439 - SS teletalk; fair, o/ jumble. [H]
- 882 CANARY ISLANDS // SPAIN, MAR 9 0013 - fast SS talk by man; o/u BBC.
- + MAR 9 0310 - SS teletalk. [H]
- 882 UNITED KINGDOM, BBC Wales, Washford, MAR 5 0137 - EE talk about

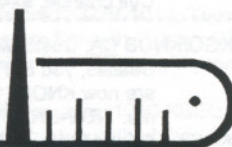
- protecting endangered animals; good, way o/ Canaries-Spain SS talk.
[R]
- + MAR 9 0013 - woman in EE talking about international regulatory agencies; o/u SS stations. [H]
- 891 ALGERIA, Algiers, MAR 5 0133 - AA talk by man at low audio level on a huge carrier; other audios way behind. [R]
- + MAR 9 0012 - male lead singer w/ female group backing on a shrill AA vocal; loud. [H]
- 909 UNITED KINGDOM, BBC R.5 synchros, MAR 5 0132 - EE discussion program w/ man & woman; to good peak, pushing WABI/CHRL-910 aside. [R]
- 936 GERMANY, R. Bremen, Bremen, MAR 5 0025 - man & woman in GG; fair in mix w/ Spain; CBM phased. [R]
- 936 SPAIN, RNE5 synchros, MAR 5 0025 - SS teletalk came up o/ the German. [R]
- 954 SPAIN, R. Espana, Madrid, MAR 5 0026 - SS talk mentioning "Antonio y Raoul" (talkshow hosts ?); loud. [R]
- + MAR 9 0437 - man in SS talking about business; huge signal, something else was way under. [H]
- 981 ALGERIA, Algiers, MAR 16 2337 - bits of AA talk in CBV/WTRY slop w/ semi-local WCAP phased. [B]
- 1017 GERMANY, Rheinsender, MAR 5 0001 - man in GG mixing w/ Spain. [R]
- 1017 SPAIN, RNE5 synchros, MAR 5 0001 - woman in SS; initially even with, then taking over from, the German.
- + MAR 5 0235 - SS teletalk; to good peak. [R]
- 1026 SPAIN, SER synchros, MAR 4 2354 - SS news // other SER's; poor in slop of nulled WBZ. [R]
- 1044 MOROCCO, Sebbaa-Aiou, MAR 4 2342 - EXCELLENT w/ plucked strings and a rustic sort of AA or Berber vocal. [R]
- 1044 SPAIN, SER synchros, MAR 5 0029 - SS talk mentioned Barcelona; excellent. [R]
- + MAR 9 0434 - SS teletalk; excellent. [H]
- + MAR 16 2340 - SS business talk; o/ others. [B]
- 1053 UNITED KINGDOM, Talk Radio synchros, Start Point et al., MAR 10 0013 - EE teletalk o/ unID music station. [B]
- 1062 DENMARK, Kalundborg, MAR 9 0428 - rock music; fair to good. [H]
- + MAR 17 0520 - dance-rock vocal, man in Danish, then a slow ballad; good. [B]
- 1071 unID, MAR 5 0130 - probably Spain here cutting by CBA briefly w/ '50s hit "Maybe" by the Chantels; signal was lost to slop before the song ended. [R]
- 1079 unID, MAR 5 0038 - het on 1080 that seemed to be only on the lower sideband, so more likely a carrier than a 1 kHz tone test. This has also been noted from other receiving sites. [R]
- 1080 SPAIN, SER synchros, MAR 5 0037 - SER SS talk // 1044 o/u music station that was probably Venezuela; WTIC in cardioid phase null. [R]
- 1089 UNITED KINGDOM, Talk Radio synchros, MAR 4 2347 - talk about mayors and strikes by city workers, announcer said "We're on Talk Radio ... Hello !"; good. [R]
- 1098 SLOVAKIA, Nitra, MAR 4 2350 - Slavic talk evenly mixed w/ the SS synchros.
- + MAR 5 0039 - really blasting o/ the others w/ recent female vocal hit "Walking on Broken Glass". [R]
- 1098 SPAIN, RNE5 synchros, MAR 4 2350 - SS talk o/u Slovakia. [R]
- 1107 SPAIN, RNE5 synchros, MAR 5 0040 - woman in SS; good. [R]
- + MAR 10 0012 - SS talk by man; fair through slop. [B]
- 1115 ANGOLA (t), MAR 5 0129 - probably this w/ a het against Spain-1116. [R]
- 1116 SPAIN, SER synchros, MAR 5 0129 - fast monotone-delivery SS talk by man; o/ growls & presumed Angola-1115 het. [R]
- 1125 SPAIN, RNE5 synchros, MAR 5 0128 - // 1107 w/ light music, then man & woman in SS; good w/ WBBR phased. [R]
- 1134 CROATIA, HR, Zadar, MAR 10 0011 - Slavic talk by man & woman, o/u Spain; fair w/ WBBR phased. [B]
- 1134 SPAIN, COPE synchros, MAR 10 0011 - SS talk mixed w/ Croatia. [B]
- 1197 LESOTHO, BBC relay, Lancer's Gap, MAR 5 0044 - country music show turned out to be this: BBC announcer in EE came on after a song finished; poor, in slop and co-channel QRM. [R]

- 1215 UNITED KINGDOM, Virgin R. synchros, MAR 16 2351 - fair w/ Sheryl Crow's "All I Want to Do is Have Some Fun". [B]
- 1242 FRANCE, R. Bleue, Marseille, MAR 5 0120 - male FF light-pop vocal; to good peak. [R]
- 1251 LIBYA, Tripoli, MAR 9 0418 - AA vocal; fair. [H]
+ MAR 16 2353 - man in AA; to good peak, really slicing up the 1250 domestics. [B]
- 1269 GERMANY, Neumunster, MAR 10 0007 - bits of GG talk; hammered by CJCB. [B]
- 1278 IRELAND, RTE R. 2 synchros, Cork/Dublin, MAR 5 0118 - EE telephone news interview or teletalk; poor. [R]
- 1287 SPAIN, SER synchros, MAR 5 0116 - SS teletalk; in jumble. [R]
- 1296 SPAIN, COPE, Valencia, MAR 5 0049 - SS talk mixed w/ R. XL, UK. [R]
- 1296 UNITED KINGDOM, R. XL, Birmingham, MAR 5 0049 - Indian/Hindi pop music & talk; o/u Spain. [R]
- 1314 NORWAY, NRK, Kvitsoy, MAR 10 0005 - man in Norwegian, then pop-rock vocal; fair to good.
+ MAR 16 2356 - loud w/ a Johnny Cash Old-West style train song.
+ MAR 18 0513 - classical piano music; huge S9+30, best TA at the time. [B]
- 1332 ITALY, Rome et al., MAR 5 0113 - opera; in slop. [R]
- 1349 MAURITANIA, R. Mauritanie, Nouakchott, MAR 9 2347 - soft- spoken AA talk by man; poor in slop. [B]
- 1395 NETHERLANDS, Lopik, MAR 5 0111 - Dutch teletalk w/ man & woman; good. [R]
- 1422 ALGERIA, Algiers, MAR 5 0055 - bits of male AA vocal & guitar- like instrument; poor. [R]
- 1422 GERMANY, Deutschlandradio, Heusweiler, MAR 5 0110 - opera presentation w/ classical orchestra and male tenor; to strong peaks, but w/ deep, jumpy fades. Algerian w/ AA was audible under. [R]
- 1431 unID (UKRAINE suspected), MAR 18 2255 - a whopper of a 1 kHz het against local WXKS: noted on car radio during drive home from work. Saudi Arabia - 1521 and several other potent high band TA's were noted about the same time. [B]
- 1467 FRANCE, TWR, Roumoules, MAR 18 2304 - religious music, then American-accented EE preaching by man; good. [B]
- 1485 SPAIN, SER synchros, MAR 18 0511 - man & woman in SS; poor to fair o/ mess. [B]
- 1512 SAUDI ARABIA, BSKSA, Jeddah, MAR 5 0057 - a cappella male AA vocal; to fair peak w/ WNRB phased. [R]
- 1530 VATICAN, R. Vaticana, MAR 5 0058 - Bert Kaempffert type light instrumental music; audible w/ WSAI phased. [R]
+ MAR 9 0327 - Vatican interval signal; way o/ VOA & WSAI. [H]
+ MAR 17 0005 - classical piano music; good w/ WSAI phased. UnID third station w/ AA-sounding talk was behind both Vatican & WSAI. [B]
- 1536 unID, maybe one of those clandestines, MAR 5 0106 - bits of vocal on a carrier that had AC ripple; poor in WDCD splash. [R]
- 1539 GERMANY, ERF, Mainflingen, MAR 18 0505 - hymn / choral vocal, rising o/ Spain; WDCD slop was reduced by phasing & regeneration. [B]
- 1539 SPAIN, SER, Valladolid, MAR 18 0505 - initially atop the channel w/ fast-talk SS news, then Germany became dominant. [B]
- 1544 ALGERIA - CLANDESTINE, Tindouf, MAR 9 2358 - in SS at the time, audio was very "boxy" and telephone-like. Fair w/ WDCD phased. [B]
- 1548 KUWAIT, VOA, Kuwait City, MAR 5 0100 - atop the UK pile w/ "Here is the news from the Voice of America". [R]
+ MAR 17 0009 - fair to good w/ VOA EE news report about the impact of the Ohio Valley flooding. [B]
- 1548 UNITED KINGDOM, MAR 5 0102-0105 - BBC news w/ woman newsreader popped up o/ VOA Kuwait. [R]
- 1566 SWITZERLAND, R. Eviva, Sarnen, MAR 10 0003 - GG female vocal; poor in WQEW slop.
+ MAR 18 0500 - light music, then news in GG; fair. [B]
- 1575 SPAIN, SER synchros, MAR 10 0001 - // 1584 w/ SS talk; fair. [B]
- 1584 SPAIN, SER synchros, MAR 10 0001 - // 1575 w/ SS talk; fair. [B]

*** PAN-AMERICAN DX ***

- 535 GRENADA, GBC, St. George's, MAR 9 0205 - soul-reggae song w/ percussion & Cajun-sounding accordion backing instrumentation; good. [H]
- 540 CUBA, R. Rebelde, CMHV, Sancti Spiritus, MAR 8 0612 - Rebelde ID, opera in SS (// 550, 560, 710); o/ other SS Latin Americans (XE/YV/HJ/HI ?) & Florida sports station. Signal was not bad for 1 kW. [H]
- 540 MEXICO, XEWA, Monterrey, MAR 9 1055 - lengthy "X-E-W-A" promo, then reggae-influenced SS female pop vocal; excellent. I looked for other Mexicans on 730, 800, 900, 940, 1050, 1060, 1220, and 1570 but did not hear any of those. [H]
- 550 CUBA, R. Rebelde synchros, MAR 8 0612 - // 540, 560, 710 w/ Rebelde ID, opera performance; o/ jumble. [H]
- 555 ST. KITTS & NEVIS, ZIZ, Basseterre, MAR 9 0213 - mellow female vocal; to good peak. [H]
- 560 CUBA, R. Rebelde (unlisted outlet), MAR 8 0612 - Rebelde ID, opera music (// 540, 550, 710); o/u WGAN. [H]
- 570 CUBA, R. Reloj, MAR 8 0552 - Reloj SS news & time-check show; mixed w/ WMCA & others.
+ MAR 9 1100 - Reloj still audible through WMCA at 6 a.m. local, but it was fading fast. [H]
- 580 PUERTO RICO, WKAQ, San Juan, MAR 8 0619 - dominant w/ Puerto Rico news in SS, announcer mentioned Cuban exiles living in Florida and Puerto Rico. [H]
- 640 CUBA, R. Progreso outlets, Guanabacoa / Las Tunas, MAR 8 0545 - // 740 w/ SS talk, romantic SS pop vocal; excellent. [H]
- 650 COLOMBIA, RCN Antena Dos, HJKH, Bogota, MAR 8 0540 - fast SS music, slogan "cancions de exitos", Antena Dos ID; slamming in at a scorching S9+40: the brassy music was slopping over onto WFAN-660 (which was only S9+30 !). [H]
- 670 CUBA, R. Rebelde, CMQ, Arroyo Arenas, MAR 9 1053 - // 710 w/ mellow SS vocal; very good. [H]
- 670 SURINAME, RADIKA, Paramaribo, MAR 8 0538 - gospel-influenced music, man & woman in Asiatic language, then "RADIKA" ID; atop Cuba & possible Venezuela. [H]
- 670 VENEZUELA, R. Rumbos, YVLL, Caracas, MAR 5 0244 - doorbells, SS talk, Rumbos ID. [R]
- 680 PUERTO RICO, WAPA, San Juan, MAR 5 0242 - SS talk & "Guapa" (or "Wapa") mention heard in mix w/ Cuban; WRKO in phase null. [R]
- 690 CUBA, Jovellanos, MAR 9 0220 - "buzz" station here doing a job on CBF. [H]
- 700 COLOMBIA, CARACOL, HJCX, Cali, MAR 8 0531 - Bogota news in SS, Banco de Colombia adverts. [H]
- 710 CUBA, R. Rebelde synchros, MAR 8 0612 - R. Rebelde ID, SS opera performance (// 540, 550, 560); u/ WOR.
+ MAR 9 1054 - // 670 w/ mellow SS vocal; good, o/u WOR. [H]
- 740 CUBA, R. Progreso synchros, MAR 8 0545 - // 640 w/ SS talk, then romantic vocal; poor, u/ CHCM/CBL. [H]

K-TIP 1450 a.m.

• Radio on the go  •

IRCA Stationery

Red and black masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. Order from the IRCA Bookstore, by sending \$5.00 (in US funds) to:

IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!



WESTERN DX ROUNDUP

Nancy Johnson
979 Neptune Boulevard
Billings, MT 59105-2129

 **PRODIGY**
MPNN49B

Electronic Mail: Internet: Nancy_Johnson@prodigy.com

WDXR DEADLINES: May 2, June 6, July 3, Aug. 1, Aug. 22, Sept. 5, Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (FA) Frank Aden-4096 Marcia Place-Boise, ID 83704
Modified FRG-7, modified Radio Shack TRF, Sony SRF-42 AM stereo Walkman,
45' N-S longwire, 180' L-longwire, 4' box loop
- (DG) Dennis Gibson dcgibson@themall.net
- (LBG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59804 lbg@selway.umt.edu
Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop
- (GH) Glen Hansen-1638 SE Knight #1-Portland, OR 97202
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843
Drake R8, 900' NNW Beverage, 1500' E Beverage, terminated 200' SW wire
- (CR) Craig Rathbone-Denver, CO DXer@aol.com
GE Superadio III
- (SW) Stan Weisbeck-411 E. Sinto #203-Spokane, WA 99202
Sony 2010, KIWA loop
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio II, GE long-range portable, Select-Antenna

OF SPECIAL INTEREST

- 630 KKPL WA, Opportunity 2/10 1515 back on air after being silent since Sept. '93, with a satellite nostalgia format. That makes them the third station in this market with nostalgia - KAQQ-590 and KAZZ FM 107.1 being the others. (SW-WA)
- 710 KTZN CA, Los Angeles KMPC which held those call letters since 1927, became KTZN (The Zone) 2/24 at 1010 (7:10 local!). Will continue to be talk. Ratings have been dismal, no better than their all sports format, which bombed despite their excellent signal (50kw days, 10kw nights). (DG-CA)
+3/3 0900 loud in KFIA null with numerous "The Zone" slogans. One ID as "AM 710, The Zone," legal ID on the hour 0900 as "KTZN Los Angeles, The Zone." Call change, ex-KMPC. Thanks to DG-CA for e-mail tip! (RW-CA)
- 1510 KKHI CA, San Rafael 3/10 0955 & 1055 good both times on car radio at work with ID "KKHI AM & FM." Traffic reports, back to classical music after news // 100.9 FM. Call change, ex-KNOB. (RW-CA)
- 540 KKGO/KNOB CA, Costa Mesa 3/3 0910 good signal over XETIN with ID "When you hear the Beatles, you are listening to the all new, KGIL." Don't know if calls are KKGO or are now KNOB (1510 San Rafael now KKHI). Will call to find out... Ex-KNNZ for me. (RW-CA)
- 580 KRSA AK, Petersburg 3/7 0100 good on top with religious program, ID "KRSA Petersburg." (PM-OR)
- 620 KGTL AK, Homer 3/7 0030 good on top with satellite MOR format AM only // 910-KKSN. ID as "KGTL, AM 620." (PM-OR)
- 630 (KHIT) NV, Sun Valley 3/3 0940 not a trace of them while on 630. They usually blast in here over Monterey, but only KIDD & Coquille, OR, so probably off the air. Bankrupt? (RW-CA)

- 670 KDLG AK, Dillingham 3/7 0045 fair mixing with KBOI with rock oldies, "K-D-L-G," with some current rock, man announcer. 3/11 0130 with pop music, announcer said "K-D-L-G," under KBOI. (PM-OR)
- 690 WTIW LA, New Orleans 3/1 0230 ID as "WTIX New Orleans 690 AM, WASO Covington 730 AM." News from the UPI news center & sports update from the World Web News Network. Strong and all alone. New. (CR-CO)
- 700 KBYR AK, Anchorage 3/11 0530 sports talk, "KBYR Radio 7," more sports talk. (PM-OR)
- 720 ?KOTZ? AK, Kotzebue 3/11 0145 maybe the C&W music and "accented" announcer under KDWN. Sounded like a native announcer, but too weak to tell, off northern Beverage. (PM-OR)
- (KDWN) NV, Las Vegas silent Sun. 3/9 0755-0901 when carrier suddenly appeared. Regular silent period is Mondays, but I noted it was on at 0750 3/10. (LBG-MT)
- KFIR OR, Sweet Home 3/8 2258 with oldies program, under KDWN and WGN. I phoned station; announcer confirmed it's running 184 watts. Said s/off normally 2200 but Fri & Sat. it's 0000 (LBG-MT)
- 750 KFQD AK, Anchorage 3/11 0259 fair with KXL. News, "Newsradio 750, KFQD," time check. ID going into CBS news on the hour "Newsradio 7-50, KFQD Anchorage." (PM-OR)
- 760 KFMB CA, San Diego 3/1 0650 sports talk show. (GH-OR)
- 780 KNOM AK, Nome 3/11 0257 fair under KKOI with pop music, female announcer with ID "K-N-O-M," instrumental music and some C&W. Apparently a variety format. (PM)
- 800 KINY AK, Juneau 3/7 0115 on top of others with rock music, mostly oldies, some CKOR QRM. (PM-OR)
- 820 KCBF AK, Fairbanks 3/11 with weather after net news at 0305, man announcer said "K-C-B-F weather." (PM-OR)
- 830 KNCO CA, Grass Valley 3/1 0202 news followed by a period of dead air lasting about 3 minutes. New. (GH-OR)
- 870 KLSQ NV, Laughlin 3/1 0658 "K-L-S-Q East Las Vegas-Laughlin" ID by male in English, into Spanish program. (GH-OR)
- KORD WA, Pasco 3/1 0300 faint ID followed by ESPN network ad. Very weak, but intelligible. New. (GH-OR)
- 880 CHQT AB, Edmonton 2/5 1024 fair over KJJR with local ads & oldies music. (SW-WA)
- 920 KSHO OR, Lebanon 3/3 0935 way on top with ID "AM 920, KSHO," road report, then sports. (RW-CA)
- 930 KTKN AK, Ketchikan 3/11 0536 with pop music "Live to Tell" by Madonna, "Ketchikan's news & information station, KTKN," promo for marine weather twice a day. Very strong. (PM-OR)
- 1010 KTNZ TX, Amarillo 3/5 weak under CBR & KTUR with legal ID at 0800. (LBG-MT)
- KTUR UT, Tooele 3/3 0920 strong in KIQI null with ID "All news, AM 1010," talk about Utah Jazz game, ID "With news all day, 24 hours a day, this is KTUR, the all new news AM 1010." Ex-Spanish. (RW-CA)
- +3/7 0300 "The News Station, 1010 Tooele, Salt Lake City, Utah" into AP news. Strong. Quick ID only heard at the top of the hour. (CR-CO)
- +This is my unID staion from February. At 0800 3/5, man said "This is the News Station... non-stop news, 24 hours a day, AM newsradio KTUR 1010, Tooele, Salt Lake City, Ogden, Provo." This is a format change, ex-Spanish. Heavy QRM from CBR. From Feb reception, it appears KTUR exceeds its 13 watt night power. (LBG-MT)
- 1030 KBEQ MO, Blue Springs 2/27 2000 "You're listening to real country, 1030 KBEQ Blue Springs, Kansas City." C&W music and no news at the top of the hour. In KTWO null. New. (CR-CO)
- WFSZ TN, Memphis 2/24 1925 good signal, KTWO seemed weak. Several local ads, one for Shelby Dodge. A local sports talk show with the Rainman as the host. "Tell them the Rainman sent you." New. (CR-CO)
- 1140 WRVA VA, Richmond 2/24 0300 weak to fair and all alone for 10 minutes. "WRVA, Richmond's news information station." CBS news and then Linda Marks with the local weather. (CR-CO)

- 1150 KIIS CA, Los Angeles 3/7 1527 //XETRA-690 with syndicated Jim Rome sports show. Per 3/7 Los Angeles Times, KIIS' new all sports format starts 3/10, slogan to be "XTRA 1150." Programming will be a combination of XETRA (morning drive), syndication (ESPN radio's The Fabulous Sports Babe, Jim Rome, Bob Golis, and possibly Pete Rose), and local. KIIS plans to upgrade from 5kw to 50kw sometime this year. (DG-CA)
- 1170 KVVS CO, Windsor 3/13 0800 s/on (no SSB) in English, then Spanish. Slogan is "Radio Alegria." The theme music "Guadalajara, Guadalajara" followed. (LBG-MT)
 KPUG WA, Bellingham 3/1 0705 basketball game, too weak for any other details. (GH)
 CKGY AB, Red Deer 3/7 0220 in KVOO null with C&W and ID as "KG Country" plus CKGY jingle. (LBG-MT)
- 1250 KWSU WA, Pullman 3/5 0630 talk show, ID by male announcer. (GH-OR)
- 1260 KOIT CA, San Francisco 2/12 2035 weak, soft AdCon music // FM. Gave promo for listening to 1260 AM, if 96.5 FM isn't heard. Still uses "96.5 KOIT" slogan. (SW)
 +2/27 0130 male gave K-O-I-T ID then into easy listening music. Fair signal at best. New. (GH-OR)
- 1270 CHAT AB, Medicine Hat 2/24 0122 strong with "Welcome to the new country, 1270 Chat," C&W music. New. (CR-CO)
- 1280 KDYL UT, Salt Lake City 3/9 0030 ID by man into oldies. Good signal for 500 watts. New. (GH-OR)
 KIT WA, Yakima 3/5 0645 ID by male & ad for Rush Limbaugh show. (GH-OR)
- 1290 KNSN CA, Chico 3/6 0900 male said "Getting it first & fast on KNSN Chico." (GH-OR)
 KKAR NE, Omaha 2/24 0015 strong with local 1280 off. "K-Car." (CR-CO)
- 1300 KROP CA, Brawley 2/27 2250 "Imperial Valley top 20 hits," ad for Imperial Valley Press, "1300 KROP KROP." (CR-CO)
 KYNO CA, Fresno 2/28 2253 local ads for TKA computers in Bakersfield, Salinas, Fresno, during the LA Lakers basketball game. ID as "1300 all sports Kino." (CR-CO)
 CJME SK, Regina 2/23 2244 fair with oldies and local ads, "13 CJME." (CR-CO)
 +3/6 0908 oldies, ad for the morning show. Weak but intelligible. (GH)
- 1310 CHLW AB, St. Paul 3/8 0732 male said "Your station for today's hottest country, 1310 C-H-L-W." New. (GH-OR)
- 1330 KGAK NM, Gallup 3/7 0800 s/on (no anthem) on top of the channel. (LBG-MT)
- 1450 KLBM OR, La Grande 2/18 0131 weak above garble with Jim Bohannon show, uses slogan "Supertalk 1450 and 1490" // KBKR-1490. (SW-WA)
- 1480 KNTB WA, Lakewood 2/15 2107 weak, dual ID with another station, then faded away. Rare here. (SW-WA)
- 1490 CJSN SK, 3/14 0800 on top with local temperature then CJSN news. (LBG-MT)
- 1520 KOMA OK, Oklahoma City 2/21 0253 weak, mixing with KFFX and lots of splatter from KGA-1510, oldies. (SW-WA)
- 1560 KKA A SD, Aberdeen strong atop KNZR at 0753 3/3. Man proclaimed "Today's best country with Mike in the morning on K-K-double-A." (LBG-MT)
- 1600 KUBA CA, Yuba City 2/14 2119 weak, English ID leading into Spanish programming. (SW-WA)
- 1650 (KBTL) CA, San Fernando per call to KGIL on 3/6, due to technical problems, KBTL will not be on the air till summer, so was not on 3/1 which was original projected on-air date. (RW-CA)
- 1680 WQO767 TX, Dallas-Ft. Worth 3/2 heard from sunset on, very weak running tape loop. (FA-ID)
 + 3/10 0350 good on peaks with female giving info on DFW Airport, including American Airlines gate info. ID "WGO-767, 1680 on your AM dial." Tried 1640, but KWJC-WA was swamping frequency with their EZL. (RW)

DX TESTS

- 790 (KFGO) ND, Fargo 3/3 0100-0130 tried, not heard. Not much else in there. (RW-CA)
 +3/3 0100-0130 nothing heard, thought this one should have made it. (FA-ID)

1170 (WWVA) WV, Wheeling 3/7 0200-0230 not heard during non-directional antenna test. Only KVOO's own "Interstate Road Show" and CKGY. (LBG-MT)

UNID HELP

1618 My distorted unID of 2/13 ID'ing as "97.5" was surely a spur of KDAA-1590 in Rolla, MO, per tip in 3/3/97 DX News. An NRC member heard it on 1620 ID'ing for KMOZ-FM on 97.5 on 2/1/97. (LBG-MT)

UNIDS

- 610 3/10 0310 unID good in KFRC null with Sportsfan radio network. Suspect either KAVL or KVNU. KAVL upped their power, I believe. (RW-CA)
- 790 3/3 1500 unID in KOQO null very weak & fluttery giving what sounded like weather forecast continuously, but could not tell. May be CalTrans station located in East Bay, not heard yet to date here, will keep checking on this. (RW-CA)
- 1590 3/1 at 0800 call sounded like KGIB; city like Yakima. (LBG-MT)

Hope that everyone enjoyed the anniversary issue last time. Be sure to watch the WDXR deadlines listed at the beginning of the column.

IRCA CONTEST STANDINGS

Domestic		Foreign	
1. Larry Godwin	49,068	1. **David Yocis**	110
2. Craig Rathbone	37,397	2. Greg Hall	108
3. Charles Dobbins	36,559	3. Larry Godwin	100
4. Stan Weisbeck	34,656		
5. Nigel Pimblett	27,666		
6. Greg Hall	25,373		
7. **Dale Park**	23,660		
8. John Tudenham	20,623		
9. David Yocis	17,687		
10. John C. Johnson	13,443		

Standings as of March 15, 1997
**These people have been reported to me as no longer members of IRCA. If they do not rejoin before the end of the contest they cannot win.

WRSW

AM-1480

FM-107.3

IRCA Stationery

Red and black masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. Order from the IRCA Bookstore, by sending \$5.00 (in US funds) to:

IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!

Central DX Roundup



Editor: John C. Johnson
Internet: John_Johnson@prodigy.net

FOR THE RECORD

E-Mail: John_Johnson@prodigy.net Mail: 979 Neptune Boulevard, Billings, MT 59105-2129
Next deadline: Friday, April 4th. Keep tips to less than a month old. This deadline will be for DX tips from March 4th to April 4th. Then, May 2nd, June 6th. Please report all times as Eastern.

RIDING GAIN

- [VAL-DX] DX'pedition at the Valhalla Beach, MB DX Site 3-8 & 3-9
Attending: Shawn Axelrod and Wayne McRae of Winnipeg, MB
Receivers: Two Icom IC-R70's with filter mods and Palm board.
Antennas: Various beverages south, west, and east.
- [SA-MB] **Shawn Axelrod**, Winnipeg, Manitoba, Canada. saxelrod@mb.sympatico.ca
Icom IC-R70 with filter mods and Palm board.
4' box loop, Quantum loop, 100' longwire.
- [EB-MO] **Eric Bueneman**, NOUIH, Hazelwood, Missouri. EricB631@juno.com
Sangean ATS-803A, Realistic DX-400, TM-152, Worcester Space Magnet 2.
- [TMJ-IL] **Tom Jasinski**, Shorewood, Illinois.
FRG-7, Quantum loop.
- [TN-WI] **Tim Noonan**, Madison, Wisconsin. Tpnoonan@csd.uwm.edu
Drake SW-4A, "Radio West" loop.
- [RCP-IN] **Robert C. Pote**, Greenwood, Indiana.
Drake R8A, Quantum loop.

If you do not want your address or e-mail address published, please advise editor.

SPECIAL INTEREST

- 1380 **WKBQ MO**, St. Louis. 2-22 fair to good. 2353 with country music, legal ID as "WKKX Granite City, St. Louis, 13-80 WKBQ AM St. Louis." Thus, as of 2-22, the AM call is not WKKX as reported recently. [TN-WI]

DOWN THE DIAL

- 670 **WWFE FL**, Miami. TENTATIVE. 3-6 very good signal, playing havoc with WMAQ. 0459 with SS format. SS music, several mentions of Miami. [RCP-IN]
- 680 **KNBR CA**, San Francisco. 3-9 poor to fair under local mega-pest CHOB. 0607 with clear ID and sports. [VAL-DX]
- 720 **CHTN PI**, Charlottetown. 2-23 very good signal for about 15 minutes. WGN off the air. UnID talk could be heard in the background. 0452 with several oldies back to back. Frequent "CHTN" ID's. [RCP-IN]
- 750 **CJVR SK**, Melfort. 3-8 very good. 1650 with ID "25,000 Watts of your community information from CJVR." This is a new power for them. [VAL-DX]
- 790 **KXXX KS**, Colby. 2-21 very good signal with little interference from WTAR. 2023 with country music format. Spots for Western Auto and High Plains Co-op in Colby. Local weather report. Frequent ID". [RCP-IN]
- 860 **WDMG GA**, Douglas. 3-2 good during complete fade of CJBC. 2100-2145 with UC music. 99.5 FM ID's. No mention of 860. [TMJ-IL]
- 970 **KNFX MN**, Austin. 2-22 fair to good in null of WHA. 0003 with country music, legal ID as "Fox Country 102.5 KMFx Wabasha, Lake City, Rochester." KMFx and KNFX simulcast in the SE MN area. No mention of the Austin transmitter in the ID. [TN-WI]
- WVOP GA**, Vidalia. 3-6 in briefly, mixing with WAVG. 2010 with ID "WVOP, your station for great oldies serving southeast Georgia." [RCP-IN]

- 1070 **WTSO** WI, Madison. 3-8 good signals. 1655 with NOS/Adult standards music and "10-70 WTSO" ID. [VAL-DX]
- 1090 **WAQE** WI, Riceland. 3-8 good signals. 1646 with "Classic Country" slogans. Country format. New slogan. [VAL-DX]
- 1110 **WMBI** IL, Chicago. 3-8 very good. 1857 with religious programming in SS from the Moody Bible Institute in Chicago. [RCP-IN]
- 1160 **WODY** VA, Fieldale. 2-23 very good signal way o/WJJD (WJJD simulcasting WJMK (FM)). 0550 with James Dobson message into several Christian songs. Using the 90.9 PIR FM call. [RCP-IN]
- 1230 **KBAR** ID, Burley. 3-9 poor. 0659 with sign on. New for us. [VAL-DX]
- 1390 **WROA** MS, Gulfport. 3-7 very steady signal while in. 0540 with a very long piano concerto followed by station ID, local weather, then into another piano song. [RCP-IN]
- 1550 **WCTZ** TN, Clarksville. 3-12 fair to poor, but dominant. Over KQWB, KSFT, and others. 0456 noted with country music. "Power Country PC-103" slogans. ||102.9 Shelbyville, TN. Broke in with "Talk radio 15-50 WCTZ Clarksville" legal ID at 0400 then back to country music. Must be talk during the day and evening, then country overnights. [EB-MO]
- 1610 **WPAN97** NY, New York. 3-8 poor to fair in mess. 1925 with a clear ID and info on the New York Thruway. [VAL-DX]
- 1615 **KMOZ** MO, Rolla. 3-9 distorted splatter is back. 2300 with modern rock. ID at 2353 "KMOZ Rolla...97.5." [TMJ-IL]
+3-10. 2100 with AC music plus local spots. They were on 1612, but moved up to 1615 where they seem to have stayed for awhile. Transmission mode is a mystery, not SSB as you cannot get them on either side band, and you can not zero-beat the signal, so it is not AM. The only way for me to copy them is in the AM mode on wide (6kHz) with the passband engaged towards the USB side. [SA-MB]
- 1640 **WQO767** TX, DFW Airport. 2-23 fair. 0435 with taped loop message. Female announcer giving departure gate information for American Airlines. Mentioned 1680 for arrival information. [RCP-IN]
- 1680 **WQA767** TX, DFW Airport. 2-23 fair, but much noise. 0438 with taped loop message. Female announcer giving arrival information for American Airlines. [RCP-IN]

DX TESTS

- 770 **WCGW** KY, Nicholasville. 3-2 DX Test in with interference from WABC and WVNN. 0515-0545. Test came through quite well for me as WCGW is a weak daytime station here. WCGW ID heard at start of test followed by code, instrumental music, and mention of NRC and IRCA. TT, mentions of coverage area, and station address. [RCP-IN]
- 790 **KFGO** ND, Fargo. 3-3 DX Test heard with interference from WWKY and a very strong WTAR. 0100-0130. Only weak code heard twice during the test, assumed it was them, not enough to send out a report. [RCP-IN]
- 1150 (KIMM) SD, Rapid City. 2-23 DX Test. 0200. Tried, nothing heard but FF talk show, suspect CJRC. [RCP-IN]
- 1400(WEST) PA, Easton. 3-10 DX Test. 0000-0030 nothing heard during this time, just typical graveyard jumble. [TMJ-IL]

UnIDS

- 1500 unID 3-8 poor u/KSTP on east wire. 1845 with country music. Spot for Menard's Home Center. Thought it might be WBZI, but it came back up after 1905. Maybe KOMH? Any ideas? [VAL-DX]
- 1550 unID 2-26 (hearing on daily basis) fair to good at times. 0455 with "Power Country 103" or "PC 103 playing 10 in a row." Country songs back to back. KQWB used to come in here well. Have they changed formats? [RCP-IN]
- 1610 unID 3-9 on the west wire. 0700 with man with info on an airport and parking. Possibly the same station as last time. [VAL-DX]
- unID 3-9. 0710 with woman with a welcome to the national park and talk about lakes. The same as last time. [VAL-DX]
- 1640 unID 3-4 very strong signal with little fading. 2059-2230 heard someone playing BBD (Benny Goodman, Tommy Dorsey, etc.). Excellent playlist of music, like stepping

back into the 40's. No ID's nor spots, just back to back music. About 2230 they left the air. Thanks to Tom Jasinski for the tip! [RCP-IN]

1640 unID 3-4,5,6,9 good signals. From 2100-2330 with BBD music. Had no idea who this was until an ID on 3-9. 2330 ID mentioned they were pulling the plug for good! Call sign was "Zero Radio 16-40 your TIS alternative." No location was mentioned. Had N-NE loop bearing. Robert Pote had a NS loop on them. This would put this guy somewhere in the upper midwest. During the final ID they mentioned you could send a reception report via internet to: rack.radio.software.shortwave [TMJ-IL]

1640 unID 3-8 fair to good signals taking out the WQO767 TIS. Very clear, but did have a harsh hum that would not quit. 2145 with lots of BBD, NOS, and Dixieland music. ID's as "Radio Zero 16-40 kiloHertz. It's nine o'clock, do you know where your children are? Well, they should be listening to Radio Zero. 50 (??) Watts, your T I S Alternative." TC was at 2200, or 9 o'clock Central. [VAL-DX]

25 YEARS AGO

Because of the reduced schedule this year, we will take a look at two issues. March 18, 1972 issue of IRCA's "DX Monitor" - David Johnson of Kirtland, AFB, NM said he was 25 years old and a Sgt. In the Air Force - Mike Hardester of Modesto, CA had a problem with his HQ-150, no audio - New member Larry Flegle of Norfolk, VA said he had 68 days left in the military. Now, a look at the March 25, 1972 issue of IRCA's "DX Monitor" - Bill Nittler of Englewood, CO past the 2500 veries mark - Paul W. Petersky of Bellevue, WA told about talking with Bruce Portzer about DX'ing in Alaska - George C. Kesteven of Calgary, AB said he was 14 and was in junior high school.

OPEN MIKE

The closed mouth swallows no flies. Last issue we had a lot of reports concerning the new TIS stations at the Dallas-Fort Worth airport. We hear the correct calls are WQO767 for the 1640 station, and WQA767 for the 1680 station. However, we are seeing these reported reversed or with other letters, etc. Hopefully someone in the Dallas-Fort Worth area can properly identify these TIS stations being heard nationwide. Nancy and I hope you have a Happy Easter. 73, John.

GEO INDICES

phil bytheway - Seattle WA - bytheway@atk.com
 Tabulated from WWV at -0518 GMT nightly
 Geomagnetic Summary March 6 1997 through March 19 1997

GEO - Geomagnetic activity pca - polar cap absorption
 maf - major flare SA - Solar Activity
 mas - major storm spe - satellite proton event
 mis - minor storm ss - severe storm

Date	FLUX	A	K	SA	GEO	OTHER
3/ 6	75	8	0	very low	quiet-unsettled	-
7	74	7	2	very low	quiet-unsettled	-
8	75	4	0	very low	quiet	-
9	75	0	0	very low	quiet	-
10	75	2	1	very low	quiet	-
11	74	3	1	very low	quiet	-
12	74	14	2	very low	quiet-active	-
13	74	5	2	very low	quiet	-
14	76	4	1	very low	quiet	-
15	76	6	3	very low	quiet-unsettled	-
16	76	7	1	very low	quiet-unsettled	-
17	75	4	3	very low	quiet-unsettled	-
18	74	6	0	very low	quiet-unsettled	-
3/19	74	3	2	very low	quiet-unsettled	-



Eastern DX Roundup

Editor: LEE FRESHWATER
414 SE 3rd ST
OCALA FL 34471

Deadlines are NOW MONTHLY.....4/9.. 5/7.. 6/11..7/9..8/6....Report often to LFreshwate@AOL.COM or FAX at 352-732-7223...On with the show..

- *****
- STARS OF THE WEEK
- (LF-FL) your editor Drake R-8A / HQ180A, Potomac FIM-41
KIWA Loop, 75' l.w. N/S
 - (EM-PA) Ernest Meyer 7916 Burholme Ave., Philadelphia, PA 19111
Drake R-8A, 100' l.w., KIWA Loop VIA U.S.P.S.
 - (MH-NC) Mike Hardester 3118 Gateway Ct., Jacksonville, NC 28546-6973
R-70 w/22" Radio West Loop VIA E-MAIL
 - (CB-NY) Charles Bernth Eastport, NY. VIA E-MAIL
 - (WW-MA) William Wyllie 93 Peck St., Franklin, MA 02038--2217
DX-90 w/ built in ant. VIA U.S.P.S.
 - (HL-LA) Henry Lazarus 1313 Dauphine St., New Orleans, LA 70116
Sony 2010 w/KIWA Loop VIA E-MAIL
 - (HN-GA) Herb Newberry 2105 Stephens Rd, Newborn, GA 30262-9511
Kenwood R-5000, KIWA Loop, L.W with VIA U.S.P.S.
MLB Balun
- *****

LOGGINGS

- 550 CFNB NB Fredericton 2/22 0049 Folk/Blues type music, title and artist, then the music. Sounds similar to College Radio formats. Name of show: "Blues Cruise" KIWA loop pulls it out of background. NE/SW orientation, have heard it previously at the Mansfield listening post. (HN-GA)
- 570 KLIF TX Dallas 2/22 0100 ABC news at TOH after station promo with many references to "Dallas" and "KLIF" on KIWA and L.W. amid the slop. (HN-GA)
- 610 WZZK AL Birmingham 2/22 0109 ID between Country songs. Signal has a slow fade on KIWA. E-W orientation. Simulcast (assume FM call the same as AM) (Right Herb, their PD used to do some consulting for our company-ed) (HN-GA)
- 630 WMAL DC Washington 2/22 0115 Talk Show : Subject-Network News anchors and Network News shows. S-9 on KIWA NE/SW. Nowhere to be heard on l.w. (HN-GA)
- 640 WGOE TN Blountsville 2/22 0118 Promo for "Classic Country 640-WGOE" Log shows 810 w. nights. Pulled out of slop "on top of the pile" (HN-GA)
- 680 WPTF NC Raleigh 2/22 0130 Syndicated "Rush" Talk show. (HN-GA)
- WJCE TN Memphis 2/22 0130 Oldies from 60's-70's Motown Soul (HN-GA)
- 710 WAQI FL Miami 2/22 0137 "Battle of the 50 KW'ers" WAQI dominant on l.w. WOR with Talk on KIWA NE-SW Both 20 over S-9. (HN-GA)
- 740 CBL ON Toronto CBL with SW relay of BBC with talk of news items from Europe. KRMG w/Talk show with a KTRH TX Houston Psychic as guest. KTRH ID heard in KRMG KRMG OK Tulsa background. TILTING LOOP "SWAPS" KTRH & KRMG Rotating brings in CBL like a local (HN-GA)
(above logged 2/22 0143)
- 780 WBBM IL Chicago 2/22 0153 Good on KIWA NW-SE. No luck with l.w. Het of some kind that sounded like a steam, engine???

790 WTAR VA Norfolk 2/22 0156 Ad for computer discounters at Hampton Roads (Virginia Beach) Back to Overnight Sports Talk after ID "WTAR". KIWA pulled it up on top of slop (ENE-WSW) into NBC news at TOH. (HN-GA)

1150 WSPZ AL Tuscaloosa, 3/17 1855-1903, One on One sports network call in show, commercial for Picadilly Cafeteria at 1859, deep fade right before the top of the hour, but signal returned at 1901-1903, during which I heard an announcer for what sounded like a local sports network with mentions of WSPZ, Tuscaloosa, WZPQ, Jasper and WRAG, Carrollton. (HL-LA)

1260 WPHB PA Phillipsburg 3/1 2258-2310 Amid a jumble of stations an ad for a business mentioning Phillipsburg briefly surfaced & then disappeared; a bit later I heard a gymnastics event in progress that named participants from several towns in central PA (similar type of event was reported recently on a Bellefonte PA station (EM-PA))

1320 WKAN IL Kankakee 2/26 0000 clear call letter ID heard during the few seconds of relative lull right before the top of the hour. (EM-PA)

1340 WBRK MA Pittsfield 2/25 2312 Weather forecast for area ending with "this is WBRK meteorologist..." gone in a flash into the hash. (EM-PA)

WHAP VA Hopewell 2/28 2335-2340 Heard a market report slightly above the thick rumble & suddenly louder "This is WHAP-Hopewell..." (EM-PA)

1540 WMDO MD Wheaton 2/22 2055-2100 Latino mx, EE ID as musical jingle, SS nx (local WNWR left air early letting this one come through.) (EM-PA)

1660 WJDM NJ Elizabeth 2/26 0058 Blasting in w/ Kids format. (Did they forget to power down) 20 over S-9, minor fading. (EM-GA)

SPECIAL INTEREST

1150 WNFT MA Boston 2/27 1900 "Country 96.9 W-K-L-B". This C&W station now simulcasting over WNFT, due to the Kidstar network going "belley-up" (CB-NY)

1230 WGGG FL Gainesville is now simulcasting with WMOP-Ocala. Signal is STILL bad. Barely audible here, now mixing with WSBB. (LF-FL)

Mike Hardester sends along the address for the TIS at DFW airport:
Mr. Art Blair
P.O. Box 619428
DFT Airport, TX 75261

Mike says the power listed is 60 Watts !!

T.I.S., etc

1640 WCA767 TX Dallas-Ft. Worth 2/26 0051 TIS at Airport. American Airlines Departure info. As strong as 1680 companion. 1680 says to check 1640 for departures. 1640 says to check 1680 for arrivals. (HN-GA)

1680 WCA767 TX Dallas-Ft. Worth 2/26 0039 TIS at Airport. Which cities arrive at which gate. (American Airline Arrival info) On l.w. with S-3 to S-7 strength. Extremely rare, never heard before. (HN-GA)

DX TESTS

640 WHLO OH Akron 2/10 0100-0130 Good signal, but fadey. Noted words 0102 "For the next half hour-WHLO" into code. Also heard Polka music, Music Box Dancer-Frank Mills, Bert Kempfert's "Swingin Safari" 0124: "This is WHLO" into "A Taste of Honey" Herb Alpert. 0130, WHLO spelled out in code. Gave address :WHLO test 2780 South Arlington, Akron Ohio 44312. Test of the IRCA and a special QSL

22

card. (WW-MA)
 770 WCGW KY Nicholasville, 3/2 0515-0546, a few test tones, some continuous, some short, heard several times. Morse code heard at 0545. I could only make out call letters(HL-LA)
 790 KFGO ND Fargo, 3/3 0100-0130 Tried for but NOT heard. (HL-LA)

Well, thats a wrap for another week, as we move into monthlies!!!!
 Ernest's report got "crunched" by the P.O. and I could not re-construct his first logging, but I got the rest, Sorry 'bout that.....Thanks to Herb for sending the tape of the 1640/1680 TIS.....Things are winding down for another year....See you all next month.....73's and all the best.....fresh



VERIFICATION
 SIGNERS

Stephen S. Howe
 8 Dutch Village, Apt. DL
 Menands, NY 12204
 showe@cnsunix.albany.edu

My deadline is the last Wednesday of the month.

- Contributors:
 EB Eric Bueneman [NUIH], 631 Coachway Lane, Hazelwood MO 63042-1347; ericb631@juno.com
 GVJ Gary V Jackson, 7735 Center Parkway, Sacramento CA 95823
 HL Henry Lazarus, 1313 Dauphine St, New Orleans LA 70116
 PM Patrick Martin, P O Box 843, Seaside OR 97138-0843
 JDS J D Stephens, 1155 Old Monrovia #3-E, Huntsville AL 35806-3510; JSteph6711@aol.com

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
600	KSJB ¹	Shawn Elliot, CE	P O Box 1840 Jamestown ND 58402	Q	20	PM
620	WRJZ ²	David A. Berry, CE	1621 Magnolia Ave Knoxville TN 37917	LM LM+	45 36	EB HL
770	WLWL	Keith M Davis	P O Box 1536 Rockingham NC 28380	P	351f	HL
850	CKMA	Arnie Schmidt, CE	2722 Allwood St Matsqui BC V2T 3R8	C	27	PM
910	KPOF	Robert B Dallenbach, GM	3455 W 83rd Ave Westminster CO 80030-1340	LM+	60	HL
920	WYMB	Harmon Jernigan	P O Box 400 Manning SC 29102	L	39ff	JDS
980	WAPF	Richard Watts, CE	P O Box 1649 McComb MS 39648	L+ L+	11 15	JDS HL
990	WYAT ³	Joseph Pollet [WA5VCF], TechDir/CE	Phase II Broadcasting, Inc. 3525 North Causeway Blvd Suite 1053 Metairie LA 70002	L	8ffff	JDS
1050	KMTA	Kevin Senger, GM	P O Box 1428 Miles City MT 59301	L	7	PM
1070	WTSO	Dan Masucci, PD	5721 Tokay Blvd Madison WI 53719	L+	34n	EB
1100	HCLE7	Luis Enrique Espinoza, Gerente General*	Radio Oriental Olmedo 239 y Amazonas Casilla 260, Tena, Napo, Ecuador	LQ	133ff	JDS
1140	WAKK	Richard Watts, CE	P O Box 1649 McComb MS 39648	L+ L+	11 15	JDS HL
	CHRB	Keith Leask, OpsMgr	11 5th Ave SE High River AB T1V 1G2	L	55	PM

1150	CKOC	Dave Barry, Eng	883 Upper Wentworth Hamilton ON L9A 4Y6	LB	62f	HL
1310	KEZM	Bruce Merchant	101 West Napoleon St Sulphur LA 70663	LM	13	JDS
1330	WEBY	Angelic Legasse-Juncker, Sales/Public Relations	7179 Printers Alley Milton FL 32583	LPBbc	157f	HL
1360	WKMI	Dale Schiesser	4154 Jennings Dr P O Box 50911 Kalamazoo MI 49005-0911	L	36	EB
1420	WBRD	T Michael Craft, GM & James E Grant, Jr, Senior Engineer	2101 Hammock Place Sarasota FL 34235	LM++	27	JDS
1460	KDMA	Deanna Hodge, GM	P O Box 738 Montevideo MN 56265	L	12	PM
1530	WOBR	Elmo H Daniels, P	P O Box 340 Wanchese NC 27981	L	6fff	JDS
1570	WYTI	Earl H Shelton, Jr., OpsMgr	P O Box 430 Rocky Mount VA 24151	LM+	10	HL
1580	WHLY	Mike Shannon, OpsMgr	2010 South Michigan St South Bend IN 46613	L+	52	JDS
	KZKL	Dave Scott, PD	8009 Marble NE Albuquerque NM 87110	L	145	PM
1610	WNXK966	William J Sellings, Re- gional Mgr	Calif Dept of Transportation District 10, Mountain Region Off P O Box 606 Angels Camp CA 95221	P	20	GVJ
	TIS	Paul Gonzales	Cal Trans Maintenance P O Box 12616 Fresno CA 93278-2616	P	5	GVJ
1620	TIS	Shaham Shahrairi, Eng**	2501 Pullman St Santa Ana CA 92705	P	10	PM
1640	W20688	Sgt Steve Olson	Irvine Police Dept P O Box 19575 Irvine CA 92623	P	5	GVJ

WHAT was received:	L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P= Prepared card supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies
WHEN the reply came:	Number of days elapsed; f = Follow-up; n = Return postage <u>not</u> used; r = Return postage returned
NOTES:	¹ [for this column] = See comment below; ² [for this column] = Address also good for WMEN-760; ³ [for this column] = Callsign now WGSO under different ownership; * [for this column] = Verie received for SW but signer and address good for MW outlet; ** [for this column] = See comment below

Patrick notes that KSJB-600 is still sending out QSL cards that it used in the early 1960's and that the signer likes receiving reception reports. The spelling of the signer's name of the CalTrans TIS on 1620 as reported by Patrick is somewhat different from that reported for the same station by Gary in the December Verification Signers column. Would either Gary or Patrick like to clarify the name for us? This column was prepared on 2/26/97. 73, SSH.

IRCA Reprints

The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to:

**IRCA Reprints, c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90,
E Palo Alto CA 94303.**

- LITHUANIA continued from DXM #23:
 +NOV 12 2135 -Just fair, although // 3356 again strong; no luck, however, in pulling out VOA Botswana relay which probably has a narrow beam on 909 kHz [DC].
 +NOV 15 2129 - Loud music, // 3356 [JR].
- 972 GERMANY NDR, Hamburg, NOV 5 2340 - Oldies and GG songs, GG ancr; SIO 443 [BD/JB].
 +NOV 13 2000 - Program in unID language until 2000 then in SS as "Radio Democrita y Germania" for foreign workers "por espanoles en la Republica Federal de Alemana," // 936 [JR].
 +NOV 16 0508 - GG program, mention of Kiel and Hamburg [JR].
- 972 UKRAINE Ukrayinsko R., Kopani, NOV 4 0145 - // 1377 w/ pop music [BD].
 +NOV 12 1936-1954 - Various programs of talk in Ukrainian; fair w/ QRM from co-channel Spain [JF].
 +NOV 13 1912 - Coca-Cola ad, M w/ ID then Ukrainian or RR rock mx; o/u another stn in Slavic lang, likely Germany, that was // 936; SIO 322 [JB/JR].
- 981 ALGERIA Radiodif. Algerienne, Algiers, NOV 3 0430 [BD].
- 981 GREECE Elleniki Radiophonia, Megara, NOV 4 0045 - Greek music, // 1386 [BD].
 +NOV 4 0056-0101 - Greek mx, nx; // 1386; SIO 433 [JB].
 +NOV 11 2100 - In a mess of stns, pips, "Elleniki Radiophonia" ID, "Era Sport" pgm in Greek w/ basketball; SIO 322 [JB/JF].
- 981 KENYA KBC General Svc, Voi, NOV 12 0205-0229 - Bits of audio, tentative // to 1386 (which see), until ERA suddenly popped on frequency with strong signal at 0229, itself also // 1386 [DC].
- 990 GERMANY DeutschlandRadio, Berlin, NOV 3 0430 [BD]. NOV 8 2220 - faded up briefly w/ nx in GG; SIO 222 [JB].
- 990 WALES BBC R. 5, Tywyn, NOV 3 0440 [BD].
 +NOV 8 2216 - Interview of rugby player, news from the television soaps; QRM mainly from CBY, SIO 433 [JB].
 +NOV 10 2100-2208 - EE nx // 909, "That's the end of the news on 5 Live," "Devon Worldwide" pgm with Richard Devon, station promos, news at 2200, "The Acid Test" with features on coral hunting near the British Coast and upcoming Martian Missions; poor [DC/JF].
- 999 GERMANY DeutschlandRadio, Hoyerswerda, NOV 10 1943-1947 - W in GG, // 177; much QRM from cochannel religious pgm (Moldova?), SIO 322 [JB].
- 999 ITALY RAI Radiodue synchronos, NOV 5 2049 - // 1035, 1116 [BD].
- 999 MOLDOVA/PRIDNESTROVYE VO Russia, Maiac, NOV 3 1900 - Moscow news in EE [BD].
 +BBC Relay, NOV 6 2005-2013 - W reads nx in Slavic lang, "BBC" noted twice at ends of reports; SIO 433-2 [JB].
 +VO Russia, NOV 7 1815 - Good; "Voice of Russia" in English, // 6130 [BC].
 +VO Russia, NOV 10 1809-1906 - EE sports nx, ID "This is Russia" newsmag pgm; poor [JF].
 +VO Russia, NOV 16 1940 - "This is Russia," mentioning the first Russian arms show at the turn of the century, and the manufacture of the first bicycles in Russia in 1901, // 7440 [JR].
- 999 SPAIN R. Pop. de Madrid, Madrid, NOV 4 0000 - COPE net [BD].
- 1008 BELARUS Belaruskaje Radujo synchronos, NOV 6 1917 - Classical mx, best around 1924, // 1026; SIO 322 [JB/NK].
 +NOV 10 2140 - Mayak IS through unID Arabic speaker, seemingly not // Yemen on 9779.8, so maybe Egypt [DC].
- 1008 CANARY IS. R. Las Palmas/RadioVoz, NOV 3 0440 [BD].
 +NOV 6 2031 - Ad for "La Gazeta de Las Palmas" and FM outlet "Gran Canaria Radio;" deep fades, SIO 442 [JB].
 +NOV 14 0051-0126 - Music from the opera Carmen, IDs, time pips and "noticias" at 0100, Broadway show music such as "Mame," ads; fair [JF].
 +NOV 14 0250 - Pop oldies, ID before time pips and news at 0300; quite good (no sign of Yemen here or on shortwave 9779.8 at this time) [DC].
- 1008 NETHERLANDS NOS, Flevo, NOV 4 1909 - unID Oriental language [BD].
 +NOV 6 1917 - Dutch religious pgm; SIO 433 [JB].
- 1008 UNID NOV 6 1856-1923 - AA mx over the TOH, definitely not // Yemen 9779.80, suspect El Arish, Egypt; much QRM from Netherlands and

- Belarus, SIO 222 (Joachim Stiller and Mauno Ritola both suggest Egypt also) [JB].
- +NOV 6 1930 - Apparent religious AA here, not // any Yemen freqs; found whilst phasing Netherlands to get Canaries & Belarus [NK].
- +NOV 8 1929 - AA Koranic singing that was not // to Yemen SW outlets or to other audible stations; atop channel during Holland fade [NK].
- 1008 YEMEN Yemen RTV Corp., Sana'a, NOV 4 1909 - // 9779.4 [BD].
- +NOV 4 1938 - Likely // 9779.8, AA strings, then AA talk; u/ Holland [NK].
- 1017 ENGLAND WABC, Shrewsbury, NOV 7 1747 - Advert for connecting to cable TV, "WABC" ID, then into pop music; o/u Germany [NK].
- 1017 GERMANY SWF, Mainz/Wolfsheim, NOV 5 2345 - Jazz // 972 [BD].
- +NOV 14 0200 - World news, // 666 [JR].
- 1017 TURKEY TRT, Muntanya/Istanbul, NOV 5 1822 - Talk [BD].
- 1025.00 UNID NOV 3 2247 - Two stations mixing, one definitely GG, // DW on 6100 (the origin of this is unclear, but Neil could also hear this, and it was audible on both the Drake R8A and the Icom R-71A) [JB].
- 1026 BELARUS Belaruskaje Radujo synchos, NOV 6 1927 - Tchaikovsky mx, //1008; SIO 222 [JB/NK].
- 1026 CHANNEL IS. BBC R. Jersey, NOV 3 0500 [BD]. NOV 6 1929 - Wx for Channel Is. -- nasty weather! SIO 222 [JB].
- 1026 ENGLAND BBC R. Cambridgeshire, Cambridge, NOV 8 2200 - News, "BBC East" mention after weather; o/ Spain; this runs 500 watts! [NK].
- 1026 IRAN IRIB, Tabriz, NOV 10 0310 - Talk in presumed Farsi; very good signal, // low power 1368 [DC].
- +NOV 14 0255 - A prayer (I think), martial anthem, five short and one long pips, // 1152 [JR].
- 1026 ISRAEL Kol Israel, Tel Aviv, NOV 8 2203 - // 9815, national anthem mixed w/ bubble jammer; soon lost [NK].
- 1026 NORTHERN IRELAND Downtown R., Belfast, NOV 3 0445 [BD].
- 1026 SPAIN SER stations, NOV 3 0440 [BD].
- 1026 UNID NOV 7 1755-1757 - Either Iran or Israel's AA svc; Koranic-style chants rose atop for a while [NK].
- 1035 ENGLAND RTL Country 1035, London, NOV 3 0448 [BD].
- +NOV 8 2110 - "Country 10-35 AM" ID in a mess; SIO 322 [JB].
- +NOV 12 2013 - C&W mx; poor [JF].
- +NOV 13 2038 - Noted with new "RTL" slogan, more pop than country now [JR].
- 1035 ESTONIA Eesti R., Tallinn, NOV 8 2112-2127 - Pretty boring talk in Estonian over the Brits, waves-and-seagulls sound effects at 2124; SIO 322 [JB].
- +NOV 12 2006 - Light jazz and vocals after news, possible mention of "Vikeradio" and "eesti musica," pips at 2045, "Vikeradio" perhaps heard at 2059, followed by 4 short and one long pips [JF/JR].
- 1035 ITALY RAI Radiodue synchos, NOV 3 0442 [BD].
- +NOV 4 2040 - Guess Who's "American Woman" and other pop/rock hits, // 846, over Portugal [BC].
- +NOV 16 0447 - Noted with strong test tone, sign-on announcements at 0455 [JR].
- 1035 PORTUGAL RDP R. Comercial, Lisbon, NOV 3 2130 [BD].
- 1035 SCOTLAND North Sound R., Aberdeen, NOV 8 2134-2138 - "North Sound Two" ID, Scottish-accented Aberdeen ads, into pop music; excellent peak atop Italy, Estonia, others [NK].
- 1044 GEORGIA Georgian R., Tbilisi, NOV 10 0224 - EZL mx quickly paralleled w/ 4875 before the signal was engulfed by Spain; SIO 221 (transmitter site dawn enhancement while waiting for Kenya to pop up on the frequency - BC) [astutely noticed by Bruce! - JB] [BC/JB/NK].
- +NOV 13 0213-0225 - Lively mx, very long fades but up to a reasonable level for a couple of 30-second periods, easily paralleled w/ 4875 and 5040; QRM from San Sebastian, SIO 222 (glad that Bruce spotted this one for a new country! - DC) [DC/JB/JF].
- +NOV 13 0233 - Parallel music (woman singing) established here and 5040, 4875; shortwave signals were strong but of awful sound quality [JR].
- 1044 GERMANY MDR-Info, Dresden, NOV 3 0505 - // 531, 783, 1188 [BD].
- 1044 GREECE Elliniki Radiophonia Macedonia 1, Thessaloniki, NOV 11 1953-2006 - M in Greek hosting (Greek) mx pgm, clear ID at 1959, nx by W at 2000, mx from 2004; severe QRM from Spain; SIO 322 [JB/JR].

- 1044 MOROCCO Sebaa Aioun, NOV 3 0442 [BD].
- 1044 SPAIN R. San Sebastia=B4n, San Sebastian, NOV 3 0442 [BD].
 +NOV 9 1920 - Good; local ID into "Cadena Ser Carosel Deportiva" network program [BC].
 +NOV 10 2227 - Station hype w/ many IDs; SIO 444 [JB].
 +NOV 11 2000 - Two sets of pips and echoed "Cadena SER" net IDs, thus both San Sebastian and Valladolid coming through over Greece [JB].
- 1053 ENGLAND TalkRadio UK synchros, NOV 3 0442 [BD].
 +NOV 12 0001 - News given by man & woman; very strong, as on // 1089. (Trying without success for AIR Tuticorin-1053 which would have been // 4990) [DC].
 +NOV 12 0303 - ID and phone number; fair [JF].
- 1053 MOROCCO RTM, Tangier, NOV 4 2120 - // 207, 612, 819, 936 at time [BD].
- 1053 ROMANIA R. Roma=96nia, Iasi, NOV 4 1858 - // 855, 1152 [BD].
 +NOV 16 1700 - IS, ID pips, woman with news, // 1152, 1179, 11790 [JR].
- 1062 DENMARK Danmarks R., Kalundborg, NOV 3 0442 [BD].
 +NOV 12 0732-0757 - Morning exercise show, // 263 longwave, pop music "All Shook Up," ID at 0744, time check and time pips followed by news, faded by 0757; good [JF].
- 1062 ITALY/SARDINIA RAI Radiouno, Cagliari, Squinzano & others, NOV 2 2259 - S/off w/ ID, freq anmt, ticks/tones; SIO 333 [JB].
 +NOV 7 0133 - Talk program in Italian, not // other RAI stations on the air at the time; I got good signals from Sardinia while vacationing in Mallorca in 1965, and noted that the Sardinian stations often did not carry programs // to the mainland network stations [BD].
 +NOV 15 2248 - Jazz program, // 657, 1332, 1575, 6060 [JR].
- 1062.06 TURKEY TRT, Diyarbakir, NOV 2 2300 - Audible after RAI went off w/ W talking then Turkish anthem; SIO 232 [JB].
- 1071 ENGLAND Talkradio UK synchros, NOV 6 1800 [BD].
 +NOV 10 0046 - faded up briefly w/ EE chat, // 1089; SIO 222 [JB].
 +NOV 12 0250 - Mention of "Talk Radio;" at 0300 with news by woman; low power outlet(s) here occasionally good enough to confirm // 1053 & 1089 [DC].
- 1071 FRANCE France-Inter, Lille et al., NOV 3 0520 - Fair; pop music, // 162, 1161, & 1350 [BC/BD].
 +NOV 9 0043 - FF wx for France; SIO 333 [JB].
- 1071 INDIA All India R., Rajkot, NOV 10 0040 - Indian popular mx, long fades; SIO 232-1 (Tried unsuccessfully to establish // with the Urdu Service on 702 and/or 6155 - DC) [DC/JB/NK].
 +NOV 12 0015 - AIR IS noted in mess then man talking and subcontinental mx, this time heard // at low level on 6155; very poor, best in USB (Transmitter SR 0120 - DC) [DC/JF/JR].
 +NOV 13 0042 - Indian mx; way under France-Inter and presumed Euskadi; SIO 222 [JB].
- 1071 SLOVAKIA Slovensky Rozhlas, Presov, NOV 16 0128 - Piano Muzak, at 0130 M in Slovak w/ ID: "Slovensko Eren," // 1098; SIO 242 [JB/JR].
- 1071 SPAIN Euskadi Irratia, Bilbao, NOV 3 0442 [BD].
- 1080 ISRAEL Kol Israel Reshet Beth, Jerusalem, NOV 9 2351 - Glimpses of "Girl from Ipanema" (Getz/Gilberto) through very heavy QRM from Spain, Poland & Morocco, but unequivocally // 7494.82; just 5 kW; SIO 121 [JB/NK].
 +NOV 10 0137-0139 - // 7495, oldie "Dream a Little Dream" (Mama Cass); poor to fair o/u WTIC & Spain [NK].
 +NOV 13 2021 - Talk in Hebrew and female vocal at 2032; surprising dominant here, // 7495 [DC].
- 1080 POLAND Polskie R., Koszecin, NOV 3 0510 - // 1206, 1260, 1305 [BD].
 +NOV 11 2237 - Music program, woman singing in Polish with piano, // 1206, 1305, 1368 [JR].
- 1080 SPAIN SER stations, NOV 3 0442 [BD]. NOV 16 0437 - At least two SER stations here, with clear echo [JR].
- 1089 ALBANIA RTV Shqiptar, Durre=A8s, NOV 3 0442 - Islamic music [BD].
 +NOV 7 2115 - Music, // 6100, mostly under England (and the SW parallel was well under Germany, so a difficult catch either way) [BC].
- 1089 ENGLAND TalkRadio UK synchros, NOV 3 0442 [BD].
 +NOV 6 1018 - Audible w/ EE talk, must be a completely daylight path

- at this time; SIO 232 [JB].
- +NOV 9 1040-1300 - Daytime DX; better than S6 up to 1100 UTC, carrier noted as late as 1300 [NK].
- +NOV 12 0749-0806 - Call-in featurttes on "Has there ever been a good British movie?", "Minimum working week" and "Earlier school starting times," slogan: "Great talk all the time on 1053, 1089 AM," news, sports and weather at 0800; good [JF].
- 1089 RUSSIA R. Rossii, Tbilisskoye, NOV 6 1835 - Tentative, Mid East Mx // 1170 (?) [BD].
- +NOV 13 0252 - RR rarda mx, // 873, 5815; SIO 343 [JB/JF/JR].
- 1098 SLOVAKIA Slovensky Rozhlas, Nitra, NOV 3 0442 [BD].
- +NOV 14 0118-0204 - Instr mx pgm, ID as "Radio Bratislava" but no other anmts, time pips and news at 0200; good [JF].
- 1098 SPAIN RNE5 synchros, NOV 14 0159 - Time pips, ID and news; fair, QRMing Slovakia [JF].
- 1107 ENGLAND TalkRadio UK synchros, NOV 14 0230 - Sponsor-a-child PSA, // 1089, 1053 [JR].
- +NOV 15 2200, 2300 - IDs in a mess at both times, // 1089, 1053; SIO 222 [JB/JR].
- 1107 GERMANY AFN synchros, NOV 4 0015 - Patriots-Dolphins football [BD].
- +NOV 8 1800 - Fair; AP news, // 873 & 1143 [BC].
- +NOV 9 2052 - US football over Spain and Brits; SIO 322 [JB].
- 1107 SCOTLAND Moray Firth R., Inverness, NOV 15 2200-2220 - Nx, contest promo at 2213, local anmt and ID at 2218 then mx; SIO 222-1 [JB/JR].
- 1107 SERBIA/YUGOSLAVIA R. Novi Sad 2, Novi Sad, NOV 15 2158 - Possibly this with pips echoing RNE5, tape review shows this ID phrase after pips: "Rah-fah-din-kay-rah-dio-pee-dayn" [JR].
- 1107 SPAIN RNE5 stations, NOV 3 0442 [BD].
- 1107 UNID NOV 15 2150-2219 - Unusual mx, pgm hosted by W in unID lang but many songs played back-to-back, pips at 2200 then W w/ ID that sounded like "Unvidiki Radio" then nx; QRM mainly from Spain but also from 2 Brits, SIO 322 (This is obviously the same as Jim's tent. Novi Sad, but I didn't catch anything that resembled "Novi Sad" - JB) [JB].
- 1114.87 ANGOLA Em. Provincial do Kuanza-Sul, Sumbe, NOV 3 2110 - Good w/ PP talk; heard on Brazil Bev [NK]. NOV 6 2040 - Local music [BD].
- +NOV 7 2100 - PP talk, beautiful "Emissora Regional de Kuanza Sul" ID; good peaks [NK].
- +NOV 10 2145 - Hi-life music and chatter by male DJ; fair with good peak at 2150 (Angolans were very disappointing compared to Oct/95, however. Only other Provincial heard weakly was 1502; even R. Nacional 1088/1367 only apparent as modest carriers without audio) [DC].
- +NOV 10 2154-2200 - Afro dance music, PP ancr; poor [JF].
- 1116 CHANNEL IS. BBC R. Guernsey, NOV 4 0019 - Tentative [BD].
- +NOV 11 0749 - Sports rpt w/ Holyfield-Tyson fight then "local sports" w/ Guernsey items; generally under Derby, SIO 222 [JB].
- +NOV 12 2100 - Up over RAI w/ nx feed for eastern Britain; SIO 333 [DC/JB].
- +NOV 16 0107 - BBC news, two distinct stations with pronounced echo, so one of these was R. Guernsey and the other R. Derby [JR].
- 1116 ENGLAND BBC R. Derby, NOV 3 0001 - Telephone number in Derby, jingle ID, local nx, lottery numbers; over Spain, SIO 433 [JB].
- +NOV 3 0445 [BD]. NOV 8 2133-2207 - Interview of Oxfam worker, nx at 2200; "Derbyshire" and "Derby" references; SIO 322 [JB].
- +NOV 9 0819 - Pgm promo, local anmts w/ tel numbers in Derby, road cx; SIO 333 [JB].
- +NOV 11 0800 - Jingle ID, nx w/ many local items; SIO 333-2 [JB].
- +NOV 14 2308-0005 - Gordon Aspley phone-in show, one call was from Nottingham, ancr mentioned "Radio 4," BBC news at 0000; presume that this is Derby since it is close to Nottingham [JF].
- +NOV 16 0107 - BBC news, two distinct stations with pronounced echo, so one of them was R. Derby and the other R. Guernsey [JR].
- 1116 ITALY RAI Radiodue synchros, NOV 3 0447 [BD].
- +NOV 5 1910 - Good; Roy Orbison's "Pretty Woman" and Radiodue ID, // 846 [BC].
- +NOV 8 2135-2207 - Mainly rock and "combat reggae" mx, M ancr in Italian; SIO 422 [JB].
- +NOV 12 2058 - Mx by The Who, Italian ancr; SIO 333 [JB].

- 1116 NETHERLANDS R. Kerk van Bloemendaal, Bloemendaal, NOV 17 0758 - Brits faded down a bit to reveal a M in Dutch, but destroyed by RAI w/ organ mx at 0800; SIO 222-1 [JB].
- 1116 WALES Valleys R., Ebbw Vale, NOV 8 2304 - Signal emerged for only a couple of minutes above the BBC stns and Spain w/ wx, jingle ID, then road conditions; SIO 222-1 [JB].
- 1121 IRAN VO Rebellious Iraq, Bandar Lengeh, NOV 5 1814 - Chanting [BD].
+NOV 5 1818-1825 - AA talk by woman mention Iraq, some AA music, but mostly talk [NK].
- 1125 BELGIUM RTBF, La Louvie're, NOV 6 1900 - FF [BD].
- 1125 CROATIA Hvratski R., Deanovec, NOV 3 0211 - European pop tunes back-to-back, // massive 1134; SIO 343 [JB].
+NOV 10 2208 - Pop music, // 1134, 5895; poor-fair [JF].
+NOV 15 1923 - Program // 1134 [JR].
- 1125 MADEIRA Centro Regional RDP, Ponta do Fargo, NOV 15 2120 - PP talk about soccer; SIO 343 [JB].
- 1125 NIGER LV du Sahel, Niamey, NOV 11 2055-2103 - High-life vocals, mostly poor thru QRM but definite brief // to very strong 5021.5 [DC/JR].
+NOV 13 2215 - Talk by man in French; poor, SW seemingly not on today [DC].
- 1125 SPAIN RNE5 stations, NOV 3 0447 [BD].
+NOV 13 2045 - Spanish news, // 531; fair [JF].
- 1134 CROATIA Hvratski R., Zadar, NOV 3 0447 [BD].
+NOV 15, 0441-0520 - Mellow lang pops, time pips, ID and Croatian news at 0500, more mellow pops, not // 1125 or 5895 at this time; good [JF].
- 1134 INDIA All India R., Mogra, NOV 11 2115-2335 - Glimpses of instrumental Indian mx, possibly Hindi nx at 2130, established unequivocal // w/ 1566 at 2117 and at 2119; freq dominated initially by Croatia then after 2130 by an unID AA stn, SIO 121 [DC/JB/JR].
+NOV 12 0008 - Subcontinental chants at weak level; briefly to fair peak with vocal at 0025 (Now that we've logged all three 1000-kW MW powerhouses, the next prospective AIR log is going to be an order of magnitude more difficult) [DC].
+NOV 12 0025 - Tentative; Indian music; poor [JF/JR].
- 1134 RUSSIA Radiostantsiya Mayak, Murmansk & Saransk, NOV 11 2120 - Mayak IS cut through the Croatian and unID AA stn, woman with talk in Russian at 2133, fading up over AIR Mogra; SIO 211 (Saransk seems a more likely site than Murmansk, although lower power - DC) [DC/JB/JR].
- 1143 GERMANY AFN, Stuttgart & 2 others, NOV 4 0015 - Patriots-Dolphins football [BD].
+NOV 8 1750 - Good; PSAs on bacteria infection and hearing loss, end of C&W music program, AP news, then urban contemporary music; based on an item in Medium Wave Circle, we were expecting a local ID for the top-of-the-hour, but only the network ID was heard [BC].
+NOV 8 1759 - C&W mx, pgm promo, TC for Central Europe, ID, nx; SIO 332 [JB].
+NOV 13 2017 - Trumpet instrumental, then jazz-oriented vocal by woman; fair with QRM from Mayak, // AFN-873 and Azores AFRTS-1503 [DC].
- 1143 RUSSIA/KALININGRAD Radiostantsiya Mayak, Bolshakovo, NOV 4 2050 - Man in Russian? (tentative) [BD].
+NOV 13 2020 - Mayak IS pushing through AFN-Germany. (It would seem much more likely this was from Bolshakovo site rather than Mekhzavod, which is in the interior Samarskaya Oblast) [DC].
+NOV 15 0425-0440 - RR talk, mx, "Mayak" ID at 0434, IS twice at 0440; over AFN, SIO 433-2 [JB/JR].
- 1143 SPAIN COPE stations, NOV 3 0447 [BD].
- 1152 ENGLAND Amber R., Norwich, NOV 15 2355 - Ad for soccer, "Catch Norwich fever...kickoff at 3 pm," "Amber Radio" jingle ID; lots of QRM from Iran and Clyde 2 SIO 222-1 [JB/JR].
- 1152 ENGLAND London Talk, London, NOV 3 0450 [BD].
- 1152 ENGLAND Piccadilly Gold, Manchester, NOV 15 2354 - "Piccadilly 11-52 Dog Show" announcement in mess [JR].
- 1152 IRAN IRIB, Tabriz, NOV 14 0254-0258 - Call to prayer, martial anthem, five short and one long pips, // 1026 [JF/JR].
+NOV 15 2359 - Mx, pips, ID over piano mx; SIO 222 [JB/JR].

- 1152 ROMANIA R. Romania, Cluj, NOV 3 2114 - // 855 [BD].
 +NOV 7 2155 - Piano instrumental, // 855, good over Spain [BC].
 +NOV 14 2133 - EZL mx "Just The Way You Are," // 855, 1053, 756; good [JF].
 +NOV 16 1700 - IS, ID, pips, woman with news, // 1053, 1179, 11790; instrumental tune "You're in the Army Now" at 1740 [JR].
- 1152 SCOTLAND Clyde 2, Glasgow, NOV 14 0329 - Tentative ID, Bill Crossman is the DJ [JR].
 +NOV 14 2329-0005 - Old EZL music such as Sinatra with "High Hopes," Coke ad sponsoring a sporting event, news and weather at 0000; poor-fair [JF].
 +NOV 16 0002 - Nx by Scottish-accented W: return of the Stone of Scone; SIO 222 [JB].
 +NOV 16 1802 - Noted with "Clyde 2 Radio News," football scores, Beatles music [JR].
- 1152 SPAIN RNE5 stations, NOV 3 0447 [BD].
- 1161 EGYPT Egyptian R., Tanta, NOV 4 1855 - Chanting [BD].
- 1161 ENGLAND Brunel Classic Gold, Swindon, NOV 8 0412 - "Classic Gold" ID, then into Frankie Valli song; atop other Brit & rumble of carriers [NK].
- 1161 FRANCE France-Inter, Strasbourg, NOV 5 1855 [BD].
 +NOV 15 0408 - FF rock mx // 162, 1071; fair [JF].
- 1161 SCOTLAND R. Tay, Dundee, NOV 15 0200-0206 - EE news read by woman w/ Scottish accent, station promo, EZL pop music; poor [JF].
 +NOV 16 1641 - Tentative; live report from game involving Aberdeen and Dundee [JR].
- 1161 SPAIN Euskadi Irratia, San Sebastian, NOV 3 0450 [BD].
- 1169.97 SLOVENIA R. Capodistria, Beli Kriz, NOV 8 1834-1850 - Pop mx, faded up over the QRM a number of times w/ talk and nx, best around 1844; SIO 332 [JB/NK].
 +NOV 11 1948 - Music box tune sounding like an IS, then woman w/ apparent economic news; fair, mixing with UK local radio outlet, probably Great North Radio [DC].
 +NOV 16 1809 - Program of rock music, ID, slightly on low side of frequency [JR].
- 1170 ENGLAND Great North R., Stockton, NOV 6 2000 - Good; "GNR" ID and jingle into news [BC].
 +NOV 8 1837 - Old pop mx, telephone answered w/ "GNR," caller requested Foreigner but could not name any tune; SIO 322 [JB].
 +NOV 16 2213-2224 - Messy freq, contest promo for "GNR," jingle and Beatles song at 2224; SIO 222 [JB].
- 1170 NIGERIA Ogun State BC, Abeokuta, NOV 7 2300 - Sign-off with anthem popped up briefly on this crowded frequency [BC].
- 1170 RUSSIA VO Russia, Tbilisskoye, NOV 6 1835-1900 - // 5925, AA music & talk, IS at 1900; mixed w/ UK & Portugal [BD/NK].
 +NOV 8 1835 - AA talk; faded up briefly over Brits and R. Capodistria, SIO 322 [JB].
 +NOV 16 1820 - AA mx, // 5925, 7295 (definitely not Israel's "D" pgm); SIO 221 [JB/JR].
 +NOV 16 2159 - IS through the QRM [JB].
- 1170 WALES Swansea Sound, Winsh-Wen, NOV 3 0458 [BD].
 +NOV 16 1957 - ID in pile-up! [JR].
- 1179 CANARY IS. R. Club Tenerife, Santa Cruz, NOV 3 0500 [BD].
 +NOV 14 0658 - Local ID as "Cadena SER, Radio Club Tenerife" [JR].
- 1179 ROMANIA R. Romania, Galbeni-Bacau, NOV 16 1700 - IS, ID pips, woman with news, // 1053, 1152, 11790 [JR].
- 1179 SWEDEN Swedish R., Solvesborg, NOV 3 0459 [BD]. NOV 9 2056 - EE talk about immigrants returning from the US; SIO 544 [JB].
 +NOV 12 2030 - IS, EE ID and newsmagazine program "60 Degrees North;" very good [JF].
- 1185.00 UNID NOV 3 2027-2031 - Mixing product of two stations, possibly Russian (see also 1025.00) [JB].
- 1188 BELGIUM BRTN, Kuurne, NOV 16 0100 - Six long pips, ID, M w/ nx in Flemish; SIO 222 [JB/JR].
- 1188 GERMANY MDR-Info, Reichenbach, NOV 3 0504 - GG weather & news, // 531, 783, 1044; well u/ Hungary; only 5 kW! [BD/NK].
- 1188 HUNGARY Magyar R., Szolnok & Szombathely, NOV 4 2040 - // 1251 [BD].
- 1197 BELARUS Belaruskaje Radyjo, Miensk et al., NOV 7 1915-1918 - // 1008 & 1026, classical violin music; Virgin R. phased to leave this in mix

- w/ Spain & AFN Germany [NK].
- 1197 ENGLAND Virgin R. synchros, NOV 3 0501 [BD].
 +NOV 8 1850 - "Total Gas" ad, jingle ID, rock mx; SIO 444 [JB].
 +NOV 10 0303 - Music "Legs" by ZZ Top, // 1215, which had much better signal; poor [JF].
 +NOV 11 0300 - Sequence of double time pips, then Virgin news highlights; fair, // strong 1215 [DC].
- 1197 GERMANY VOA Europe, Munich, NOV 16 0043 - EE talk about US telecommunications laws, story by William Wallace; this stn used to be heard regularly, but now it's a rarity; QRM from Virgin R., SIO 222 [JB/JR].
- 1197 IRAQ Iraq R., Nineva, NOV 7 1850 - Tentative; AA music / chants, o/u Virgin R.; lost before a possible parallel w/ 6560 could be established [NK].
- 1197 LESOTHO BBC Relay, Lancer's Gap, NOV 4 0040 [BD].
 +NOV 11 0302-0305 - Brief fadeup over Virgin R. with World Service news read by woman, // 3255 (via Meyerton); presume MW site remains Lesotho [DC].
 +NOV 13 *0300 - Audible only to 0305, this time with the WS news read by man [DC].
 +NOV 13 0305 - EE news // 3255; audible in LSB, lousy signal but very happy to finally have heard this one [JF].
 +NOV 15 2238 - BBC program weak [JR].
- 1197 SPAIN Euskadi Irratia, Vitoria, NOV 3 0501 [BD].
- 1197 UNID NOV 8 2105-2120 - Bits of AA-type music, not // Iraq-6560 [NK].
- 1206 FRANCE R. Bleue, Bordeaux, NOV 6 1814 [BD].
- 1206 ISRAEL Kol Israel Reshet Beth, Haifa, NOV 3 2140 - Talk in Hebrew and Carole King song // 7495, good with Poland nulled by phasing [BC/BD/NK].
 +NOV 9 2350 - EZL music and talk in Hebrew, fair/mixing with Poland; // 657 (poor) and 1080 (surprisingly dominant over Poland) [DC].
 +NOV 13 2020 - Apparent radio drama in progress; again // 657 & 1080 + very strong shortwave relay 7495 [DC].
 +NOV 16 0205 - Music program // 1206 [JR].
- 1206 POLAND Polskie R., 3 sites, NOV 3 0510 - // 1080, 1260, 1305 [BD].
 +NOV 11 2236 - Old show tunes, woman singing in Polish with piano, // 1080, 1305, 1368; all freqs fair [JF/JR].
- 1206 SIERRA LEONE SLBS, Goderich, NOV 6 2020 - Local anmts in African-accented EE; Polish QRM, SIO 322 [BD/JB].
- 1215 ENGLAND Virgin R. synchros, NOV 3 0510 [BD].
 +NOV 9 1130-1150 - Daytime DX; still audible just before transmitter-site noon [NK].
- 1222 SENEGAL RTV Senegal, Ziguinchor, NOV 11 2110 - Tentative; just fair carrier, no audio; surely this as readily heard during NF-DX IV [DC].
- 1224 BULGARIA R. Bulgaria, Vidin, NOV 8 0424-0426 - // 5890 & 7230, MoR EE song, woman in Bulgarian w/ "Bulgarie" mention; signal good, o/u Holland [NK].
 +NOV 12 1935 - Music and ID, clear // 5860, 5890 [JR].
 +NOV 12 1945-2002 - Pop music show, // 5860 and 5890, ID, remote report at 1950 and talks, IS and Albanian s/on anmt at 2000; good-fair (Perhaps notable only because for some reason we never tallied a MW log from Bulgaria in Oct/95 - DC) [DC/JF].
- 1224 ISRAEL Galei Zahal, Beersheba, NOV 16 0140 - IDF army station with call-in program to male announcer, Israeli pop music interludes, // 1287, clear ID at 0200 [JR].
 +NOV 16 0150 - Briefly atop the Dutch stn, // 1287; SIO 222 [JB].
- 1224 NETHERLANDS Hitradio Veronica, IJsselmeer, NOV 6 1645 - pop [BD].
 +NOV 9 2017 - "The Party Place" and "Hitradio" mentions in otherwise Dutch language promos, pop music, good with what was assumed to be Bulgaria fading in [BC].
- 1224 SPAIN COPE stations, NOV 3 0510 [BD].
- 1233 CZECH REP. R. Free Europe/Czech R. synchros, NOV 3 1900 [BD].
 +NOV 3 2205 - Good; news in Czech, "Radio Svobodna Europa" ID [BC].
 +NOV 10 1939-2001 - Czech talk and jazz mx, // 1287, talk about the economy at 1943, ID, news headlines and news in detail at 2000; good [JF].
 +NOV 16 1927 - Program // 1287 Slovakia [JR].
- 1233 ENGLAND Virgin R. 2 synchros, NOV 16 1927 - Low-powered transmitters // 1215 [JR].

- 1233 MOROCCO RTM, Tanger, NOV 10 0253 - Tentative; AA mx; fair [JF].
- 1242 ENGLAND Virgin R. synchros, NOV 3 0510 [BD].
- 1242 FRANCE R. Bleue, Marseille, NOV 7 0110 - Pop music, no announcements, // 1404 [BD].
- 1242 UKRAINE Ukrayinsko R. synchros, NOV 5 0242 - // 1377 [BD].
- +NOV 13 1900 - Noted in // to 1371.1 and 1377 [JR].
- 1251 HUNGARY Magyar R., Marcali & Nyiregyhaza, NOV 3 0505 - Music // 1188 [NK].
- +NOV 4 2040 - // 1188 [BD].
- +NOV 5 2200 - "Don't Cry for Me Argentina" then Hungarian nx headlines; SIO 444 [JB].
- +NOV 14 0329 - Hungarian talk and news // 1188; good [JF].
- 1251 LIBYA Libyan Jamahiriya Broadcasting, Tripoli, NOV 3 0510 [BD].
- +NOV 5 1935 - AA talk mixed w/ UAE, Hungary, Portugal [NK].
- 1251 PORTUGAL R. Renascenca synchros, NOV 5 1936 - PP music, then PP talk rose o/ Libya & others [NK].
- 1251 UNITED ARAB EMIRATES UAE R., Dubai, NOV 5 1925 - // 1476 & 13675, AA talk; well u/ Hungary [BD/NK].
- +NOV 9 2140 - // 1476, bits of AA music; u/ Hungary & Libya [NK].
- 1259 AZORES RDP, Faial, NOV 3 0515 [BD].
- +NOV 13 1925 - Mostly just carrier but bits of audio, tentatively // 837 and 648 (under BBC), classical music to single pip at 1930, then talk by man; also 1952 with female vocal [DC].
- 1260 ENGLAND Brunel Classic Gold, Bristol, NOV 3 2059-2102 - In a mess of British stations w/ ad, ID: "Classic Gold -- Bristol, Bath and surrounding areas;" SIO 222 [JB].
- +NOV 7 1811 - Local weather, oldies; u/ Poland [NK].
- 1260 ENGLAND unID stn, NOV 15 0809 - Pop music by Blues Traveller, address for something in the Isle of Man then more mx, by 0815, all British stations were fading out; poor [JF].
- 1260 ENGLAND Virgin R., Guildford, NOV 7 1812-1814 - // 1197 & 1215, music, bits of traffic report; through Poland & Bristol [NK].
- 1260 GREECE/DODECANESE IS. VOA Relay, Rhodes, NOV 5 2100 - Lull in the Brits briefly left Cadena SER stn(s) and VOA nx in EE // 1548, but gone in seconds; SIO 222-1 (Lousy log, but I've been after this one for many years! - JB) [BD/JB].
- 1260 POLAND Polska R., Szczecin, NOV 3 0510 - // 1080, 1206, 1305 [BD].
- +NOV 3 0521 - Snatches of pop mx, // 1206, 1305; way under WEZE, SIO 221 [JB].
- +NOV 7 1811 - // 1206 & 1305, man in Polish atop Bristol, UK [NK].
- 1260 SPAIN SER stations, NOV 3 0515 [BD].
- 1269 GERMANY Deutschlandfunk, Neumunster & Mainflingen, NOV 3 0515 [BD].
- +NOV 13 0116 - Classical music program, male DJ, // 153, 1269, 1422 [JR].
- +NOV 16 1730 - GG nx, no sign of Kuwait; SIO 333 [JB].
- 1269 SPAIN COPE stations, NOV 3 0515 [BD].
- 1278 IRELAND RTE R. 2, Dublin & Cork, NOV 3 0515 [BD].
- +NOV 9 0002 - Nx about Zaire; SIO 444 [JB].
- +NOV 12 1902-1923 - English news, pop, jazz and dance music, ID at 1915 as "The Hotline with Tony ---- on 2-FM;" // strong 612, poor [DC/JF].
- 1278 UKRAINE Ukrayinsko R., Petrivska & Sevastopol, NOV 5 approx 2020 - Tentative; Slavic talk mention Ukraine; u/ Ireland, helped by using phasing [NK].
- 1287 CZECH REP. R. Free Europe, Melnik & Litomysl, NOV 3 2040 - In Slovak [BD].
- +NOV 3 2149 - I felt professionally obligated to listen to this one: Slovak (?) talk about the discovery of radioactive elements (that's chemistry, not antenna theory!!); SIO 444 [JB].
- 1287 ISRAEL Galei Zahal, Tel Aviv, NOV 10 0217-0220, 0228-0304 - Hebrew talk, bits of instrumental mx, pips, nx at 0300, wx at 0302; deep fades, at best SIO 332 [DC/JB/NK].
- +NOV 16 0140 - IDF army station with call-in program to male announcer, Israeli pop music interludes, // 1224, clear ID at 0200 [JR].
- +NOV 16 0155-0201 - Telephone chat in Hebrew, fanfare and ID at 0200; SIO 444 [JB].
- 1287 SLOVAKIA R. Free Europe, Velke Kostolany, NOV 15 1846 - News in Slovak, ID at 1859 [JR].

- 1287 SPAIN SER stations, NOV 3 0515 [BD].
- 1296 ENGLAND BBC, Orfordness, NOV 6 1646 - GG pgm, discussing US elections; SIO 242 [JB].
+NOV 6 1840 - GG at the time [BD].
- 1296 ENGLAND R. XL, Birmingham, NOV 3 0453 - Indian film mx, M ancr in Hindi or Punjabi; SIO 444 [JB].
+NOV 3 0519 - Hindi music [BD].
+NOV 7 1800 - Fair; "This is Radio XL" ID and news, "Radio XL Weather Check," Hindi music [BC].
+NOV 11 1859 - Indian mx, EE ID, nx, back to Indian mx at 1903; SIO 333 [JB].
+NOV 13 0710 - East Indian music, English TC for "11 minutes past 7," ID, but fading out; fair [JF].
+NOV 15 0611 - "Radio XL," then back to Indian music [JR].
- 1305 POLAND Polskie R., Boguchwala, Sowlany & Tuszyn, NOV 3 0510 - // 1080, 1206, 1260 [BD].
+NOV 11 2237 - Music program, woman singing in Polish with piano, // 1080, 1206, 1368; I can log this synchro of all three 60-kW stations separately because of a pronounced triple echo on NOV 16 at 1749 [JR].
- 1305 RUSSIA R. Vozrozhdeniye, Moscow, NOV 10 0250-0302+ - Tentative; pre-s/on tones, chimes at 0301 and woman opening in seemingly Russian; under RNE5 synchros, listed *0400 in 1996 WRTH [BC/DC/NK].
- 1305 SPAIN RNE5 synchros, NOV 3 0520 [BD]. NOV 10 0249 - Instr mx, SS anmts; fair [JF].
- 1314 NORWAY NRK, Kvitso//y, NOV 3 0520 [BD].
+NOV 3 1030 [BD].
+NOV 5 1642 - NN talk here at S7 to S8 when we got back from lunch (1.12 p.m. local time) [NK].
+NOV 6 1630 - Excellent; news in Norwegian about Clinton re-election [BC].
+NOV 7 1445 - Talk in Norwegian with S-4 signal at 11:15 am NF local time, this could be heard practically all day [BC].
+NOV 8 1348 - Poor to fair at 1348 (10.18 a.m. local) w/ occasional fades to the noise; up to a good S6.5 level by 1404 UTC during newscast, most of the path is in daylight at this time [NK].
+NOV 9 1040-1410 - Daytime DX; S9+8 at 1040 UTC, S8.5 at 1100, S4 at 1150, S1 at 1215, very weak carrier at 1300 & 1410 UTC [NK].
+NOV 12 1509 - Daytime TA throughout the week [JR].
- 1314 UNITED ABAB EMIRATES R. of the UAE, Dabiya, Abu Dhabi, NOV 5 1910 - AA Koranic chant w/ Norway in fade; QRM also from Spain; bits // 1539 noted also [NK].
+NOV 16 1709 - AA phone talk, // 9770, gaining strength but still way, way under NRK; SIO 222-1 [JB/JR].
- 1323 CYPRUS BBC Relay, Zyyi, NOV 16 0300 - Sign-on with Lillybolero, pips, BBC news in EE by woman, // 6195, 9410, 11760 [JR].
- 1323 ENGLAND South Coast R., Southwick, NOV 3 0530 [BD].
+NOV 13 1937 - Pop music, // 945; poor [DC/JF].
- 1323 GERMANY VO Russia, Wachenbrunn, NOV 5 1744 - Sermon in GG [BD].
+NOV 13 1859 - VO Russia IS, GG news and features; fair [JF/JR].
- 1332 ENGLAND BBC R. 4, Wiltshire, NOV 16 0342 - BBC program, only this 300-watt outlet listed [JR].
- 1332 IRAN IRIB, Tehran, NOV 4 0221 - Man chanting [BD].
- 1332 ITALY RAI Radiouno synchros, NOV 3 0520 [BD].
+NOV 15 2248 - Jazz program, // 657, 1062, 1575, 6060 [JR].
- 1341 HUNGARY Magyar R., Lakihegy, NOV 3 0505 - Music // 1188; u/ BBC N. Ireland [NK].
+NOV 14 0330 - Under BBC with female vocals, // 1188, 1251 [JR].
- 1341 NORTHERN IRELAND BBC Northern Ireland, Lisnagarvey, NOV 3 0520 [BD].
+NOV 13 2058-2203 - Interview w/ columnist from Belfast Telegraph, time pips, ID and news at 2100, rock music program to 2200, more news and jazz at 2203; fair [JF].
- 1349 MAURITANIA R. Mauritanie, Nouakchott, NOV 5 2010 - Instrumental music // 4845, strong het against 1350 [BC].
+NOV 10 0001 - Local language talk and AA-sounding vocal at 0012 // 4845; fair [DC/JF].
- 1350 FRANCE France-Inter, Nice & Nancy, NOV 3 0520 - // 1071 [BD].
- 1350 HUNGARY Magyar R., Pecs et al., NOV 11 1909 - Two men in Hungarian w/ jazz pgm, // 1251, 1341; under France and Latvia, SIO 222 [JB].

- 1350 LATVIA Latvijas R., Cesvaine & Kuldiga, NOV 7 1833-1840 - // 576 & 1422, woman in Latvian, then soft piano music [NK].
 +NOV 11 1911-1916 - Tentative; talk in a northern European lang, pop music but gone by 1320; fair [JF].
- 1359 ENGLAND Breeze AM, Chelmsford, NOV 16 1851 - When Breeze AM on 1431 mentioned 1359, I tuned here and there it was [JR].
- 1359 ENGLAND unID stn, NOV 3 0530 [BD].
- 1359 SPAIN RNE1, Arganda, NOV 3 0530 [BD].
- 1365.76 UKRAINE Ukrayynsko R., unknown site, NOV 8 1950 - Distorted signal / growl, has been heard previously [NK].
 +NOV 9 0004-0012 - M & W w/ nx in Ukrainian, // 1242, 1377; drifting transmitter, was at 1365.71 at 0145, poor modulation, best audio around 0008, deep fades compared to other Ukrainian signals; SIO 332 [JB/NK].
- 1368 ENGLAND BBC Radio 4 synchros, NOV 15 0030 - ID during news program [JR].
- 1368 IRAN IRIB, Sari, NOV 10 0304-0330 - Mainly talk in Farsi, drama w/ sound effects, local flute mx, // 1026 and 1386; not too shabby for a 20 kW station: SIO 333! [DC/JB/NK].
- 1368 ISLE OF MAN Manx R., Foxdale, NOV 3 2153 - Sermon [BD].
 +NOV 5 1820 - Good; Labour Party/political discussion, later classical music into news at 1900 with "This is Manx Radio" ID [BC].
 +NOV 15 1757 - Ad for Allied Manx Bank [JR].
- 1368 POLAND Polskie R., Krakow, NOV 11 2237 - Music program, woman singing in Polish with piano, // 1080, 1206, 1305; just as good as the high-power outlets [JR].
- 1371.12 UKRAINE Ukrayynsko R., unknown site, NOV 13 1904 - W in Ukrainian and mx at 1908, // 1377 and 1242; we presume this is the same transmitter as on 1365.76 five days earlier! SIO 333 (DSWCI OCT 96 says this is UR2, down from 1377) [DC/JB/JR].
- 1377 FRANCE R. Bleue, Lille, NOV 3 0542 [BD].
 +NOV 6 1724 - Light rock, song about "Radio Bleue;" SIO 444 [JB].
 +NOV 7 0334 (music before sign-on) [BD].
- 1377 UKRAINE Ukrayynsko R. synchros, NOV 4 0145 - Pop music, // 972 [BD].
 +NOV 13 1900 - Very weak but // 1371.1 [JR].
 +NOV 13 1907 - Jazz music, // 1242; fair [JF].
- 1385.92 GUINEA R. Rurale, Labe, NOV 10 2002-2018 - African-accented FF, IS and drums on the hour, international and local nx; QRM from Kaliningrad and a jammer; SIO 322 [JB].
 +NOV 13 2029 - News or talk, "Rurale" mentioned several times [JR].
 +NOV 13 2033-2043 - Lang talk and wild West African dance music; poor w/ QRM from co-channel jammer (not sure who the jammer was targeted at, Iran? - JF) [DC/JF].
 +NOV 15 2140 - Loud and clear with music [JR].
- 1386 GREECE Elleniki Radiophonia, Athens, NOV 4 0045 - Greek music // 981 [BD].
 +NOV 13 0050 - Greek vocal by woman; news read by woman at 0100; fair peaks but deep fades; very good and dominant on the more powerful // 981 [DC/JR].
- 1386 IRAN IRIB, Ahwaz, NOV 4 0235 - Koran & talk in Mid-East language; u/ Greece [NK].
 +NOV 5 0230 - Good; sign-on, Koranic chants, then woman with "islamiyya Iran" mention [BC/BD].
- 1386 KENYA KBC, Maralal, NOV 6 0159 - Drum and flute IS, "This is KBC," choral mx, bits of EE freq anmt at 0203; SIO 242-1 [BD/JB].
 +NOV 10 0204 - Opening anmts by man, then into vocal number at 0205; fair, mixing with Greece but easily // 4935 [DC].
 +NOV 12 0200 - Anthem, woman opening with frequency anmts, pop song at 0202, then patriotic prayer at 0204 ahead of pop music again at 0206; fair, generally atop Greece, tentatively // 981 also [DC/JF].
 +NOV 13 0157 - Drum IS to anthem at 0200; just poor-fair, as was 4935 [DC].
- 1386 POLAND Polskie R., Krakow, NOV 7 1820 - // 1305, 1206 et al., Polish talk o/u Manx R. [NK].
- 1386 RUSSIA/KALININGRAD VO Russia, Bolshakovo, NOV 3 2235 - EE [BD].
 +NOV 5 2258 - Excellent; Voice of Russia World Service in English, IS, and off [BC].
 +NOV 8 1828 - GG pgm, mx bridge, "Hier ist Moskva;" QRMed by a jammer probably intended to block the Iranian, SIO 444 [JB].

Results of recent Board activity (last October): SA LG MH NJ PM JS RW

17.2.1	Approve of Mike Sanburn's '97 Convention bid for Costa Mesa CA - 7/25-27/97	F	F	F	F	F	F	F
17.2.2	Confirm Lee Freshwater as IRCA Achievement Awards Chairman	F	F	F	F	F	F	F
17.2.3	Confirm Leonard Hyde as "DX Techniques" column editor	F	F	F	F	F	F	F
17.2.4	Establish the "Tropical Band" column for "DX Monitor"	F	F	F	F	F	F	F
17.2.5	Confirm Pat Martin as "Tropical Band" editor	F	F	F	F	F	F	F
17.2.6	Approve of Vol 33 financial information for publication	F	F	F	F	F	F	F
17.2.7	Approve of bulletin exchange with "DXers Calling"	F	F	F	F	F	F	F
17.2.8	Approve of bulletin exchange with "NZDXRL"	F	F	F	F	F	F	F
17.2.9	Approve of bulletin exchange with "Arctic Radio Club"	F	F	F	F	F	F	F
17.2.10	Approve of bulletin exchange with "WRTH"	O	O	O	O	O	O	F
17.2.11	Approve of information exchange with "Medium Wave Circle"	F	F	F	F	F	F	F

] F - Favor, O - Oppose, A - Abstain. SA - Shawn Axelrod, LG - Larry Godwin, MH - Michael S Hardester, NJ - Nancy Johnson, PM - Patrick Martin, JS - JD Stephens and RW - Robert Wien.

17.2.1 - Mike's Convention bid... naturally I contacted Mike right away, and he's going full speed for the convention this summer!!

12.2.2 - Lee was the only volunteer

12.2.3 - Moot, since Leonard has dropped out of IRCA

12.2.4-5 - The survey with the last election was quite favorable to continue with the "Tropical Band" column... so it's "official" now!

12.2.6 - Here's the report I prepared for the time period 9/1/95 to 9/1/96.

PUBLISHING

Income	Expenses	
Dues - \$5435.00	Printing - \$2489.98	Postage - \$3399.83
Misc - 57.03	Misc - \$659.15	

BOOKSTORE (includes Reprint Service)

Income	Expenses	
Income - \$934.73	Postage - \$135.16	Misc - \$343.87

Club total

Income - \$6426.76	Expenses - \$7027.99
--------------------	----------------------

Overall gain<loss> - <\$601.23>

Current money in accounts - \$2275.81

Deferred membership - \$3562.56

This reflects a loss for the '95-'96 year after several years of gain.

Ralph and I have taken several actions to turn this around in '96-'97 (no color covers, strict adherence to bulletin size, less expensive address labels, etc, etc). Also, some maintenance items were purchased in '95-'96, which won't need to be purchased again for several years. As things stand right now, the Bookstore/reprints have brought in over \$500 profit since 9/1/96.. so we're on the right track again!

12.2.7-11. The "supposed to be" annual reaffirming of IRCA's bulletin exchanges with foreign clubs. We receive no direct benefit from the WRTH (they do not send us a bulletin whereas the other clubs DO), so it was decided to drop the exchange.

STATE OF THINGS: Well, alot has happened since my last report... several folks have resigned their positions... so IRCA is NOW looking for a new CPC Chairman (JD's having twins!), DXWW-E editor (Mark is TEMPORARY), "Hearing it Through the Grapevine" (anyone want to keep this going - let me know), "DX Techniques" column editor (see above), IRCA Almanac coordinator (Rich Toebe has resigned) as well as "DX Monitor" Publisher/Editor-in-Chief. Progress on a new ALMANAC is in limbo, as there is currently no one working on it... However, Nick Hall-Patch IS working on the 3rd edition of the IRCA Technical Guide... expected to be out this summer (right Nick)! Also, we've made the IRCA Mexican Log a yearly thing... there will be a new edition published in the Aug-Sept time frame every year.

Keep DXing and reporting it to DXM... I DO appreciate your support... pb

FIRST CLASS
U. S. POSTAGE
PAID
PERRIS CA
PERMIT NO. 120



FIRST CLASS MAIL

34-29
DOUG NYHOLM
2071 CEDAR ST
SAN CARLOS CA 94070
USA

**THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)
PO Box 1831 Perris CA 92572-1831**

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 30 times a year, weekly from October to February, twice in September and March, and monthly from April 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.

CLUB ADDRESSES AND OFFICERS

President: Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334 (206) 356-3927 W
(proposals), email: bytheway@atk.com

Secretary-Treasurer: John C Johnson

Board of Directors: Shawn M Axelrod, Larry Godwin (chairman), Michael S Hardester, Nancy Johnson, Patrick Martin, JD Stephens and Robert Wien.

Editor-in-Chief/Publisher: Ralph Sanserino, PO Box 1831, Perris CA 92572-1831. (dues/address changes), email: 74041.2430@Compuserve.com

Publishing Coordinator: Phil Bytheway, 9705 Mary NW, Seattle, WA 98117-2334

MEMBERSHIP DUES

U.S. - \$25.00 per year. Canada - \$27.00. Overseas Surface - \$28.50. Overseas Airmail - \$35.00 (Central America, Caribbean, Colombia and Venezuela), \$38.00 - (Europe, North Africa, Middle East), \$41.00 (rest of the world). Trial Membership - \$9.50 (10 issues of **DX Monitor** and a New Member Packet, U.S. / Canada / Mexico only). Installment rate: two payments of ½ dues plus \$1.00 (\$13.50/payment for U.S. members). Make checks and money orders payable to IRCA and send all dues (and address changes) to: IRCA, PO Box 1831, Perris, CA 92572-1831. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of **DX Monitor** are 32c (50c to Canada) or two International Reply Coupons each and are available from: IRCA, PO Box 1831, Perris CA 92572-1831.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in **DX Monitor** provided credit is given to the IRCA and the original contributor. Opinions in **DX Monitor** are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers. pb