



# New Zealand DX Times

Monthly journal of the  
New Zealand Radio DX League (est. 1948)  
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<http://radiodx.com>



## MILLENNIUM CONTEST

To put a uniquely broadcasting-based slant on the close of the 20th century, the New Zealand Radio DX League is collaborating with Holland's international broadcasting station, Radio Netherlands. We're inviting DX and SWL enthusiasts worldwide to participate in a special competition to register the top news stories as the 21st century dawns.

All you have to do is note the first three news stories being carried on radio and television on Saturday 1st January 2000. You can make it as difficult or as easy as you like. The headlines could be from a local station round the corner, or you might want to try to hear them from a shortwave broadcaster on the other side of the world.

All complete entries will go into a prize draw to win one of 21 Radio Netherlands Tee-shirts. Radio Netherlands will also be donating a set of award-winning music CDs for the most unusual entry requiring special effort. It could be for someone who braved bad weather to put up an antenna to hear a particularly rare station. It might be for digging out the wierdest station audible on the Internet. But remember, they must carry news and you must be able to understand enough to submit the first three headlines.

The collection of broadcast news headlines will provide a unique insight into how the dawn of a new century was witnessed around the world.

### How to Enter:

1. On the first day of the New Year, tune in to news broadcasts on AM, FM, shortwave or television, or the Internet. The stations can be broadcasting to local, national or international audiences.
2. List the following details:
  - Time of broadcast - specify if local or UTC. It must be year 2000 in the country that you are monitoring.
  - Name of station or broadcaster
  - Location of station or broadcaster
  - Radio frequency, television channel number, Internet Address (URL)
  - Language of broadcast
  - Brief details of the first three news item carried on a news bulletin aired by the station. For example — 'Severe cyclonic storm threatens Nibi Nibi island, Y2K causes panic buying in Zembla, Economics Minister resigns in Bolumbia.'
3. Add the following personal details:

Contribution deadline for Nov Issue is Wednesday Jan 5th - PO Box 3011, Auckland

- Name
- Full Postal Address
- Preferred Tee-Shirt size
- Optional - what makes your entry a candidate for the 'most unusual entry' category?
- 4. Send in your contest entry no later than 14 January 2000, to:
  - Post - NZRDXL Contest, P.O. Box 3011, Auckland, New Zealand
  - Email - [contest@radiodx.com](mailto:contest@radiodx.com)
- 5. The results of the Millennium Contest and prizewinners will be announced on Radio Netherlands 'Media Network' programme on March 2nd 2000 and on the NZ Radio DX League's website <http://radiodx.com>

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## talkback@radiodx.com with David Ricquish, Wellington

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**David Miller, Dunedin** checks in this month to tell us 'I've been a member since 1982, so you should know me or have read my name over the years! These days, I spend more time behind the microphone presenting my own program NUU COUNTRY since 1995 on 4XS Hills AM 1575 here in Dunedin. I pay for the airtime I use, but the country music comes to me from record companies and the artists themselves. I'm on the air every second Sunday from 8-9pm. The closest thing to listening I get to is webradio and listening to Philippine stations. I'm planning a visit to the Philippines early next year. I wonder where all the Free Radio stations have gone these days!"

Introduce yourself to other members! A short item like David's is a great way to introduce yourself to fellow magazine readers, so let's be hearing from more of you next month.

**Phil van de Paverd, Auckland** continues his sterling work sourcing useful websites for both DXers and SWLers. This month, he guides us to Radio Budapest at [www.kaf.radio.ch](http://www.kaf.radio.ch); REE Spain at [www.rive.es/me/ree](http://www.rive.es/me/ree); Voice of Greece at [ert.ntua.gr](http://ert.ntua.gr) (no www); Radio Japan at [www.nhk.or.jp/rjnet](http://www.nhk.or.jp/rjnet); Radio Kuwait at [www.radiokuwait.org](http://www.radiokuwait.org); AWR Voice of Hope at <http://www.awr.org>; Radio Korea International at [www.kbs.co.kr](http://www.kbs.co.kr); and Voice of Mongolia at [www.mol.mn.mrtv](http://www.mol.mn.mrtv).

Phil also suggests that Talkback could include 'questions and answers' on any radio related subject. Perhaps it's a good time to remind everyone that Talkback is a space for readers to contribute questions, answers, comments, views, opinions, introductions about themselves and what they enjoy about the radio hobby, and really anything that doesn't fit anywhere else in the magazine. So, include a contribution in your resolutions list!

**China Radio International** shares a history just about as long as the NZRDXL! The station had a predecessor in the Northern Shaanxi Xinhua Broadcasting Station, which began broadcasting on September 11, 1947.

For safety sake, the station was set up in the Taihang mountains, a chain extending across Hebei, Shaanxi and Henan provinces. The first English broadcast, read by veteran announcer Wei Lin, lasted only 20 minutes. Since the studio was located in a small earthen hut belonging to a local peasant, early transmissions went out to the homey accompaniment of crowing roosters and barking dogs. The transmitter was not very powerful, so the programs reached only as far as China's immediate neighbors. I wonder if any of our older members remember this station, or were able to hear and QSL it? Please drop a line to Talkback and tell us!

**Chris Martin, Ormost Australia** has recently been traveling in South America. He has

found some excellent DX data in the local telephone yellow pages, and recommends <http://paginasamarillas.telefonica.com.pe> for Peru; [www.paginasamarillas.com.ar](http://www.paginasamarillas.com.ar) for Argentina and [www.paginasamarillas.com.br](http://www.paginasamarillas.com.br) for Brazil.

As these pages are in Spanish or Portuguese, it helps to look under 'radiodifusoras'! For example, the Peru site lists 94 stations, and for RadioProgrammas, lists the city as Lima, address as Av. Alejandro Tirado 217, 7 mo Piso - Santa Beatriz. Tel: (1) 330 8145, and also gives an e-mail address and a website. Worth checking out!

**Paul Ormandy, Oamaru** has sent details of some useful websites. Some 59 international broadcasters are listed in the HFCC database, with xmitter locations and other useful DX data. You can find this one at [www.hfcc.org/data/index](http://www.hfcc.org/data/index) and once downloaded, open Windows Explorer, double-click on the icon and create a self-extracting text file which can then be opened.

Slogans for North American stations will help MW DXers who hear that 'Y-99' jingle before the signal fades! Compiled by Shawn Axelrod, the list details every known slogan and can be found at [www.angelfire.com/mb/slogans/index](http://www.angelfire.com/mb/slogans/index) and is ideal to track down mystery IDs in mere seconds!

Meanwhile, German DXer Willi Passman in Muelheim, has created a DX portal which has hundreds of links to SW clubs, stations, technical sites, radio history, DX sites and much more for the radio fan. You can find this one at [www.radio-portal.org](http://www.radio-portal.org) and although it's currently light on Pacific material, it may help your DXing & SWLing enjoyment.

On the subject of radio history, an interesting site is Wayne Mac's Radio Archive, created by an Australian who has established a non-profit venture to preserve Australian radio history from 1958-1988. The site includes airchecks, commercials, promos, interviews, station profiles, photos, video, Top 40 charts, posters and ID jingle packages for Australian radio stations. A fascinating journey down memory lane here at [www.radioatwork.com.au/](http://www.radioatwork.com.au/) waynemacs and well recommended.

Which brings us to the Heritage Committee which the recent AGM agreed to establish. More on this shortly. In the meantime, do you have material such as posters, QSLs, tapes, airchecks, Top 40 charts, old radio magazines, letters and car decals or other memorabilia from radio stations in New Zealand, Australia, Hawaii and other Pacific Islands?

Please start giving some thought to making this material available to the Heritage Committee either on loan, for research, or so copies can be made of some items. Along with the existing NZRDXL Archives we'll develop some policies and ideas to safely protect, preserve and publish items of interest.

**South Pacific DX Report**, the fortnightly shortwave program from Paul Ormandy will soon be heard on 2YB Access Radio 783 AM Wellington every second Saturday at 4:15pm; and on David Miller's NUU COUNTRY show on 4XS Hills AM 1575 Dunedin every second Sunday at around 8:30pm. Be listening early in 2000. Encourage your friends to listen too.

Do you live in Invercargill, Christchurch, Nelson, Kapiti, Palmerston North, Napier, Hamilton, Auckland? Are you a member of your local community access radio station? If so, maybe you'd like to find out if your local station has an airtime slot available for the program. Please contact me at [talkback@radiodx.com](mailto:talkback@radiodx.com) or at PO Box 14339, Wellington so we can take the next steps. We hope to gain several new members each month from each station.

That's it from me for this month! Jocelyne and I wish all readers a peaceful Christmas season and every best wish for the new year, new century, and new millennium! I hope you'll share your news and views with Talkback in the coming months. In the meantime, my

station of the month is KKCR-FM on Kauai, Hawaii. With a blend of modern Hawaiian music, jazz and old standards, plus news and documentaries from the Pacifica Radio Network, this is fine radio. You'll find them at [www.kkcr.org](http://www.kkcr.org), and until next month, enjoy. Ciao.

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## editorial@radiodx.com with Andy Gardner, Mexico

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Merry Christmas and Happy New Millennium from the DX Times crew! We bring you a special bumper edition to see out the 20th Century and the 2nd Millennium. Shortwave articles coming out of our ears! We even had to hold extra articles and parts of articles over for January 2000. Have to finish this column now, out of room! See you next millennium!

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## shortwave.report@radiodx.com with Matt Francis, Canberra

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Times in UTC, frequencies in kiloHertz (kHz). Countries listed according to actual transmitter location. Sources: Cumbre — Cumbre DX bulletin (USA); BCDX — Worldwide DX Club (Germany); Glenn Hauser's SW/DX Report (USA)

Y2K bug permitting, we'll be back in 2000! Very best wishes to all members and their families for a happy and safe Christmas and New Year holiday period. We'll be seeing in the New Year from the small coastal village of Metung on the Gippsland Lakes in eastern Victoria, then heading to southern Tasmania for a week or so to catch up with friends and family on the Apple Isle.

**Armenia:** TWR via Kamo on 6240 0015-0100, with English 0015-0045 on Sat/Sun. Other times, Kazakh, Kirgiz, Turkmen and Korean (Francis / various sources)

**Argentina:** Various reporters overseas have heard new feed for Argentinian military personnel in Antarctica on 20276 USB with relays of local stations in Buenos Aires (ie. Radio Continental), also heard on // 15820 USB, in the 0800-1200 period.

**Bhutan:** Bhutan Broadcasting Service has retimed their evening transmission and also at the weekend: Nepali Mon-Fri 1130-1200, Sat 0900-1000 5030, Sun 0900-1000 6035. English Mon-Fri 1200-1300 (nx 1200) 5030, Sat 1000-1100 (nx 1000) 5030, Sun 1000-1100 (nx at 1000). Sat 1015-1100 Countdown Top-20 English pop songs; Sun 1015-1100 Request Show of English pop songs. (Alok Dasgupta, India, Nov 26, in BCDX)

**Canada:** On November 16, Radio Canada International inaugurated new shortwave transmitters at its Sackville, New Brunswick, transmitting site. These were paid for by a 15 million dollar grant from Canada's Heritage Department. These two Thomcast 250-kilowatt transmitters are already operating. They are digital-ready and have already done some digital transmission tests. RCI now has eleven transmitters at its Sackville site, nine in operation and two as backups. (Kim Elliott, VOA Communications World, Dec 4)

**Chile:** v6089.95 R Esperanza, Temuco, fair and in the clear at tune-in @0928 with local mx, M anc 0930 w/ID, morning annts in Spanish to 0944, then more mx; steadily weakening until WYFR carrier hit 6085 starts at 0952. (Al Quaglieri, USA, ConDig Nov 21 via BCDX)

v6029.6 R Santa Maria with musical prog 0851 up to s-on annts at 0854. Difficult reception due Chinese sin on 6030, a good test for the AOR7030 on loan from David Norrie! (Bryan Clark-NZL, Cumbre Dx Nov 29)

**China:** CR English to the Pacific 0900-1100 is using the Jinhua sites on both freqs, 11730& 15210. 11730 has a freq jitter problem. Often good but fluttery signal on both at my

QTH. (Olle Alm, Sweden in BCDX)

-11940 Voice of China (from Taiwan), is active in Mandarin each day at \*0830-0930\*; signals in Shanghai are strong, as are the Chinese jammers (overmodulated CNR program), making listening kind of difficult. (Harald Kuhl-Shanghai via NU / BCDX)

**Costa Rica:** Last month we reported on the final broadcasts by AWR from its transmitters at Cahuita. A few days later, they were back on air carrying Dr Gene Scott's University Network. The schedule is 24 hours a day, 7 days a week, operating on 5030, 6150, 7375, 9725, 11870, 13750 and 15460. Well heard here in Canberra in our local evenings (0800-1000+) on 6150, 9725 and 13750. Programming is parallel to that carried on 6090 from Anguilla.

-Radio for Peace International (RFPI) has been widely heard on new 11m frequency — 25930 USB. New sked is 2300-1300 on 6975, 2100-0600 on 15050. 25930 is experimental with USB, 2 kW, high-gain antenna, a fixed log periodic some 40 feet long and wide, on the air approx 1300-2300 or a little longer awaiting reports. (Glenn Hauser, SW DX Report). Has been heard in NZ by Ian Cattermole, Bryan Clark and Paul Ormandy in th 1800-0300 period. Elusive in Canberra (to date) but I did cheat by dialing up a web-controlled radio in the eastern US and listened to it from there at around 0020 (Francis)

**Equatorial Guinea:** Radio Africa, Bata 15184.88 (i.e. about 3 clicks on the ATS-909 detente below 15185.00), 2254 Sat Dec 4 in English laboriously spelling out Cupertino and several African addresses, offering QSL, a bit of music to 2259\* (Glenn Hauser, SW/DX Report, Dec 5) Heard in Canberra on 15185v from 2115-2130+ on Dec 11 with English religious programming. Strong co-channel QRM from VOA Poro, also in English with 'News Now'. Their postal address for reports: Pan American Broadcasting, 20410 Town Center Lane #200, Cupertino, CA 95014, USA (Francis)

**Fiji:** The University of the South Pacific (USP), Suva, still has broadcasts of lectures on 9070 and 12140 USB Mon-Fri at 2200-0700. They are simulcast on the same freqs by network stns in Niue, Western Samoa, and Tuvalu. Thus it is impossible to determine, from a considerable distance, which station you would actually hear. Moreover, the Telecom authorities ordered the stns to reduce power from 150 to 50 Watts only. The SW will be supplemented by satellite at the end of this year or early next year. Addr: USP, Extension Services, P.O.B. 1168, Suva, Fiji. (Maarten van Delft, Netherlands, DSWCI SWN, Nov 28, via BCDX) Strictly speaking, not SWBC, but it has generated some interest among the DX community. The USP has campuses in a number of Pacific Island countries. (Francis)

**Germany:** Croatian Radio via Deutsche Telekom at Julich: 11880 0600-0759, 13820 0800-0959 for NZ / Australia (HFCC)

**Greece:** From the ERT5 printed schedule for B-99, program schedules in Greek, and my own monitoring I have put together this schedule of Voice of Greece in English (precise times for English segments are not given by VOG itself)\* frequency to NAM \*\* from VOA USA relay. News in English (Mon thru Fri) 0300-0310 \*7450 \*9420 \*9375 \*12105, 0610-0615 9420 15630 11645 7475, 1430-1440 9425 \*15630. (Sat and Sun) 1410-1420 9425 \*15630.(Daily) 0750-0800 \*\*9775, 1800-1815 9425 7450 \*\*17705 \*\*17565, 1840-1850 12105 15630, 1900-1910 9375 7475. LEARN GREEK (Mathete Ellinika) Fri: 1325-1340 \*15630, Sat: 0740-0800 9420 15630 11645 7475. Hellenes Around The World Sat: 1900-1950 9425 7450 \*\*17705 \*\*17565. Musical Broadcast In English Sun: 1900-2000 9425 7450 \*\*17705 \*\*17565, 2110-2210 11645 9425. (John Babbis, Maryland, Dec 2 in Glenn Hauser's SW/DX Report, Dec 7)

**India:** After the first cyclone in the middle of Oct, AIR Jeypore on SW is off the air and

not yet back again on 5040 & 6040. AIR Lucknow in B99 is now on 4880 throughout the evening ie 1130-1740 (not changing at 1430 to 90mb). (Alok Dasgupta, India, Nov 26, via BCDX) This being the devastating cyclone to hit Orissa, which has caused massive loss of life and destruction (Francis)

**Ireland:** New management at RTE have decided to consolidate SW operations via the Merlin network only, so unless they can be persuaded otherwise, in a week or two the relays via WWCW will cease, M-F 1930-2000 and Sat/Sun 2000-2030 on 12160. WWCW was RTE's original SW outlet starting several years ago. Still audible in North America daily 1830-1900 via Sackville 13640, and is it still 0130-0200 via England 6155? I see in the latest sked via Wolfgang Bueschel that DTK is registered then with other programming (Glenn Hauser, SW DX Report, Dec 7) A subsequent report said the last RTE via WWCW would be on Dec 11. RTE also via Singapore 11740 1000-1030 and Ascension 21630 1830-1900. 6155 0130-0200 is via Rampisham, UK (Francis)

**Italy:** Voice of Mediterranean via Rome: 0600-0730 Mon-Sat Italian/English/Arabic 7150 (ex 7155); 0800-1300 Sunday Italian/English/Maltese/French/German 11770. (Observer, Bulgaria in BCDX)

**Kenya:** KBC noted on 4915 reactivated this frequency and reception is so strong that co-channel Ghana was not audible at 2000, Dec 2 (Mahendra Vaghjee, Cumbre)

**Oman:** 15355 Radio Sultanate of Oman, Arabic \*0200-0300 & 0400-0500\*, with English at 0300-0400. The English program appears to be daily, and seems to consist of three parts: "The Holy Quran," a news bulletin, and "Good Morning, Oman." IDs as "This is Radio Sultanate of Oman, English FM." (Tony Jones-Paraguay, NU, Nov 28 via BCDX) Also still being heard from 1400 on 15140 (Francis)

**Poland:** Radio Raj is a Belorussian-language station in Bialystok, Poland, on FM and now on shortwave from 100 kilowatt transmitters near Warsaw. Kai Ludwig passes along the schedule from Rimantas Pleikys in Lithuania: 0600-0700 6035, 1100-1200 6180, 1900-2000 6165. Kai says listen for strongly compressed audio and transmitter hum. (Kim Elliott, VOA Communications World, Dec 4)

**Portugal:** New sked of R Portugal to E Timor from Nov 26: 0900-1000 & 1100-1200 Port, 1000-1100 Tetum 17725; 2100-2200 & 2300-2400 Port, 2200-2300 Tetum new 15175 (x17725), //11550 via TWN 1000-1100 & 2200-2300 Tetum (Observer, Bulgaria, Dec 1 via Glenn Hauser's SW DX Report)

**Russia:** 'Radiostantsiya Chechnya Svobodna' (Radio Free Chechnya) is a special program in Russian to the Caucasus region, which started on 10 November. See GPR schedule below for details (listed as RCS). Sound files can be heard at [www.cumbredx.org/images/chechnya1.ram](http://www.cumbredx.org/images/chechnya1.ram) (as heard in Russia), or [www.cumbredx.org/.../chechnya2.ram](http://www.cumbredx.org/.../chechnya2.ram) as heard in Mauritius. I've heard the station here in Canberra around 1100 on 11635 and 15605. (Francis)

- Updated schedule for GPR2 (State Enterprise for Broadcasting and Radio Communications No.2), courtesy of Mikhail Timofeyev, reporting to Cumbre DX: K = Kalingrad, S = St Petersburg, RCS = Radio Chechnya Svobodnaya. 5905K 1530-2100 R.Rossii; 5920S 0400-0530 VOR Serb; 5920K 1600-1800 VOR Germ; 5920K 1800-1900 VOR Russ; 5920K 1900-2000 VOR Engl; 5935S 0300-0600 RCS; 5950K 1600-2000 VOR Germ; 5975S 1800-1845 VOR Hung; 5975S 1845-1930 VOR Czech; 5975S 1930-2000 VOR Slov; 6205S 2000-2200 VOR (Kosovo); 6205S 2200-2330 VOR Serb; 7130S 1600-1700 CRI Arab; 7130S 1700-1800 VOR Arab; 7130S 1800-1830 CRI Farsi; 7130S 1830-2000 VOR Arab; 7290S 1830-2100 VOR Fren; 7305S 1830-2100 RCS; 7310S 0000-0100 VOR Port; 7310S 0100-0200 VOR Span; 7310S

0200-0300 VOR Span; 7320S 1600-1630 VOR Alba; 7335S 0300-0700 RCS; 7340S 1430-2100 RCS; 7355S 1500-1800 RCS; 7370S 1600-1630 VOR Alba; 7370S 1630-1800 VOR Serb; 7370S 1800-1900 VOR Ital; 7370S 1900-2100 VOR Fren; 9450K 0300-0700 R.Rossii; 9840S 1600-1700 VOR Fars; 9840S 1700-1800 VOR Arab; 9865S 1700-2000 VOR Arab; 9890S 0100-0200 VOR Span; 9890S 0200-0400 VOR Russ; 9890S 1800-2200 VOR Engl; 11635S 0630-1430 RCS; 12010K 1000-1100 VOR Germ; 12010K 1000-1100 VOR Germ; 15355K 0730-1500 R.Rossii; 15605S 0730-1400 RCS.

- "True Light Station" confirmed my report w letter & schedule, v/s Richard E. Adams, readams@usa.net. China Radio is a religious broadcasting organization to China under the name "True Light Station". Daily 1200-1300 on 9450 200 kW tx Petropavlovsk-Kamchatsky. Addr: 53 Ming Chuan W. Road 9/F, Taipei, 104 Taiwan. (Jorma Mantyla, Finland Cumbre Nov 18) "True Light Station" (Zhenguang tiantai), NF 5895, 1200-1330. (Takeshi Hashimoto, Japan, Nov 28 via BCDX)

**Singapore:** Radio Singapore International has introduced a number of new frequencies. Current schedule: 6000 1100-1400 Mandarin; 6150 1100-1400 English; 7235 (new) 0900-1200 Malay; 9590 (new) 1100-1400 English; 9665 (new) 0900-1200 Malay, 1200-1400 Indonesian; 9820 1100-1400 Mandarin. Domestic services: 6000 Mandarin 1400-1600, 2200-0000; 6150 English 1400-1600, 2300-1100; 7170 Tamil 2300-1600; 7235 Malay 2300-0900, 1200-1600. (RSI) RSI's use of 6150 for English to 1400\* is causing problems for RCI via Yamata. They have complained, but to little avail. (Francis)

**Sri Lanka:** VOA from new Iranawila site: 9645 1400-1800 English; 9720 1230-1330 Vietnamese, 1330-1500 Khmer; 9780 1500-1600 Vietnamese; 9890 1130-1230 Burmese, 1230-1330 Vietnamese; 11895 1600-1700 Bangla; 13735 1130-1230 Burmese; 15340 1500-1600 English; 17820 1200-1300 English; 21510 1700-1800 English; 21635 1600-1700 English; 21665 1300-1400 English; 21840 1400-1500 English (IBB)

**Ukraine:** Radio Ukraine International now has a 5th transmitter on air. 9785 seems regular at 2100-0400 [extended now see item below] towards Central America 235 degr. Heard this night on 6080, 9785, and 9810 with separate Ukrainian program, when separate German program was on two 6020 & 9560 outlets only. English DX program Suns 1230-1300 today had now 3rd freq: additional 21510 // 9870 and 15520. BUT the frequency announcement tape was still the old from last summer. Announcer lady at 1257 still announced the wrong summer times and summer freqs. (Wolfgang Bueschel, Nov 21 in BCDX)

**USA:** Since late November, two new broadcasts of the half-hour edition of Communications World, via SSB feeder transmitters at Greenville beamed to Europe. Sat 0700-0730 6873 and Sun 1400-1430 18275. Each transmission will be on both upper sideband (USB) and lower sideband (LSB), but with no carrier. Reception reports would be appreciated. (Kim Andrew Elliott, VOA)

- Some recent frequency changes and plans for other US stations: KAJJ has moved to 5835 with Dr Gene Scott; WBCQ will be testing its second transmitter shortly on 9340: WRMI noted on 7385 with Brother Stair as part of 'North American' service. (Various)

- As promised last month, here is the FCC frequency registrations for mainland US-based broadcasters for B99. Listed by station and frequency usage: KAJJ Frisco, Texas: 5810 0000-1400 (see report above — moved to 5835), 9815 0100-1400, 13740 2300-0100, 13815 1400-0000, 15725 1400-0000. KJES Vado, New Mexico: 7555 0200-0330, 11715 1400-1700, 15385 1900-2100. KNLS Anchor Point, Alaska: 7355 1400-1800, 7365 1000-1400, 9615 0800-1000. KTBN Salt Lake City, Utah: 7510 0000-1600, 15590 1600-0000. KVOH Rancho Simi, Cali-



fornia: 9975 0000-0800 and 1300-1500, 17775 1500-0100. WBCQ Kennebunk, Maine: 7415 2100-1100. WEWN Vandiver, Alabama: 5825 0000-1300, 7425 2300-1300, 7465 1000-1100, 9355 0000-0200, 9385 2200-0000, 9975 2100-0000, 11875 1300-2200, 13615 1600-0000, 15375 1300-2300, 15745 1100-2100. WGTC Copperhill, Tennessee: 5085 2300-0700, 6890 2300-0700, 9400 1300-2300, 12170 1300-2300. WHRA Greenbush, Maine: 7435 0500-1000, 7580 2300-0500, 17650 1600-2300. WHRI South Bend, Indiana: 5745 2000-1000, 6040 1000-1600, 7315 0000-1000, 9495 1000-1300 and 1800-0000, 13760 1600-0000, 15105 1300-1800. WINB Red Lion, Pennsylvania: 11950 2300-0600, 13790 1900-2300, 13800 1700-1900. WJCR Upton, Kentucky: 7490 24h, 13595 24h. WMLK Bethel, Pennsylvania: 9465 0400-0900 and 1700-2200. WRMI Miami, Florida: 7385 0200-0800, 9955 0600-0300. WRNO New Orleans, Louisiana: 7355 2300-0300, 7395 0300-2300, 15420 1600-2300. WSHB Cypress Creek, South Carolina: 5850 0200-0400, 6095 1000-1300, 7510 2200-0000, 7535 0000-1000, 9430 0000-0300 and 1300-1400, 9455 0900-1100 and 1300-1400, 9840 0400-0600, 9845 0800-0900, 11550 2000-2200, 11660 1100-1300, 12020 0400-0600, 13770 2000-0000, 15285 2300-0200, 15665 1800-2200, 18910 1600-2000. WTJC Newport, North Carolina: 9370 24h. WWBS Macon, Georgia: 11900 1100-1300. WWCR Nashville, Tennessee: 2390 0400-1200, 3210 0500-1000, 3215 0000-0500, 5070 2200-1400, 5935 0000-1400, 7435 1000-1400 and 2100-0400, 9475 1400-0000, 12160 1100-2300, 13845 1300-0100, 15685 1300-2200. WYFR Okechobee, Florida: 5760 1845-2145, 5810 2000-2300, 5850 0400-0800, 5950 0245-0800 0845-1300 2145-0600, 5985 2145-0700, 6065 0100-0445, 6085 0945-1400 and 2245-0100, 6105 0745-1100, 6175 0800-1000, 7355 0300-0745 1045-1245 1945-2245, 7520 0045-0200 and 0545-0800, 9355 0245-0400 0445-0800 1845-2300, 9505 0000-0445, 9555 0745-1100, 9575 0845-1245, 9590 1245-1600, 9605 0045-0200 0800-1000 1100-1245, 9680 0145-0600 and 0845-1045, 9690 2245-0045, 9705 0445-0600, 9715 2345-0445, 9985 0100-0800, 11550 0345-0700, 11580 0345-0700, 11665 1945-2245, 11720 2245-0100, 11725 1045-1400, 11740 0145-0500 1300-1500, 11825 0045-0300, 11830 1045-1700, 11855 2145-0600, 11885 2245-0145, 11970 1145-1345, 13695 1045-1400, 15130 1245-1500 and 2145-2245, 15170 2245-0045, 15215 1600-1700 and 2300-0300, 15355 1245-1400, 15400 2300-0100, 15440 2145-0200, 15565 1745-2245, 15695 1300-1400 and 1545-1845, 17510 1545-1945, 17760 1345-2000, 17845 2300-0045, 21525 1545-2245, 21725 1645-1845, 21745 1545-1745.

— After February 1, VOA Communications World will be changed from 12 x 8.75 minutes to 6 x 21.75 minutes on News Now. This means NN [News Now] listeners will hear all the CW they're going to get in one sitting. But total time will be reduced — I'll probably eliminate audience feedback from the NN edition. The half-hour edition continues as a 28-minute show and takes on added significance given the abbreviation of the NN version. 73 (Kim Andrew Elliott, Dec 5, via Glenn Hauser's SW/DX Report, Dec 6)

**Vietnam:** Voice of Vietnam home service on NF 7210 with 1st program, running parallel to 5925 and 9875, as noted at 1045 on Dec 11. Reporters overseas have also heard the 2nd program on new 6020, parallel 4960 and 12035 but whenever I've checked RA has been on. (Francis)

**11 metres:** Look for the following stations on 25 mHz: Deutsche Welle 25740 0800-1355 (Wertachtal, 500kw); and, 25770 0900-0950, 1000-1050, 1200-1250, 1300-1355 (Sines, Portugal, 250kw). Radio France International 25820 0900-1300 (Issoudon, 250kw). Plus RFPI — see under Costa Rica.

shortwave.mailbag@radiodx.com *Laurie Boyer, Invercargill*

This is the last Mailbag this year and this century unless you are like me and believe that next year is the end of the century. I would like to thank the members for their support since I have been doing the Mailbag.

Let's start the month by welcoming Robert A Park, Lower Hutt who is also a Ham operator Robert has Veries from WHRA 15460, TWR Meyerton 11735, Overcomer 13810, WBCQ 7415, Radio Espana 15385, VOA Tinian 13610, VOA Udorn 9705, VOA Kavala 11820, VOA Biblis 9680, YLE 21670, HCJB 17660, 11950, KWHR 11565, Voice of Russia 17625, Kol Israel 17535, Voice of Vietnam 9830, AWR Julich 15560, Radio Minsk 11670, Radio Bulgaria 9400, Deutsche Welle Trincmalee 17560, 11965, Vatican 7345, Deutsche Welle Wertachtal 9640, 9815, Sines 13720, 11810, 13780, Sackville 11810, Bonaire 15105. Thanks Robert and good luck with your DXing.

Ian Catermole, Blenheim and another good month for replies. Radio Gaurani 6050, Radio Difusora Acreana 4885, HCJB 11755, Radio Vatican 15570, Radio Havana 9505, 15200, Deutsche Welle 6075, Galei-Zahal 6898, Radio Romania 17735, 11810, 11840, 15180, 15105, WJTC 9370, Canada Radio International 15180, Radio Denmark 5965, 17535, 21755, WSHB 15195, 13650, 11930, WEWN 15745, 9385, 9465, Voice of Russia Komsomolsk 15595, Radio Portugal via Taiwan, Damascus Radio 13605, NHK Yamata 9685, RTBF 21565, 17580. Keep them coming Ian There's still a few left.

Paul Peacock, Blenheim reports QSL's in from Radio Austria 21650, China Radio testing on 13650, VOA Kavala 15205, Radio Romania 11725, Deutsche Welle 13690 who also sent a pair of quality folding binoculars. That would have to be the best goodie reported for some time. Congratulations.

Bryan Clark, Auckland a lone verie in from WTJC 9370. Thanks Bryan.

Jack Searle, Haumoana a few have come back being WJTC 9370.8, Swiss Radio International 15220, AWR via Julich 15560, Radio Havana 13750, RAI via BBC Singapore 11920, VOA Philippines 9525. Another goodie in from RAI - a good quality large size pen.

Barry Williams, Auckland has Radio Christian Voice of Zambia 4965, VOA Tinian 13650, VOA Botswana 9630, VOA Sao Tome 4960, VOA Morocco 17895, 11820, AIR Panaji 11855 [This was the old Portuguese India] Deutsche Welle Kigali 9875, Galei Zahail 6898, Radio Gardarika St. Petersburg 15230, [First e-mail Verie] Canada Radio International 15210, Radio Alger 15160, WTJC 9370. Barry has a good suggestion that after any e-mail mark it accordingly with [em]

That is it for this month. May you all have a Merry Christmas and a New Year filled with happiness and veries.

**Best of Month Under 9 MHz** - Radio Christian Voice Zambia 4965 - Barry Williams.  
**Over 9 MHz** Radio Finland 21670 - Robert A Park.



bandwatch.under9@radiodx.com *with Ken Baird*

Please note that all frequencies should be in Kilohertz and, time in UTC (= GMT = UT), # indicates reception report sent. For reasons of accuracy some positive ID from the station

heard is desirable, otherwise the ID of the station heard should be shown as tentative. Similarly for languages - either IDed, Presumed or Unid. Also, would you please add the date of logging to your information.

**KHz UTC Country, Station, Programme, & Reception Details**

2310 1721 AUSTRALIA, ABC Territory Radio Alice Springs good - KVB 2/11  
 2390 0650 USA, WWCR fair in EE with relig prgm - KVB 2/11  
 2410 1103 PNG, R Enga, news in pidgin with ID of R Enga No1, low modulation and noise - DN 22/11  
 2850 1700 NTH KOREA, R Pyongyang fair with spoken prgm, also at 10000 with classical music — NMK 11/11  
 3215 1020 USA, WWCR weak with relig music — NMK 31/10  
 3315 1530 INDIA, AIR fair in EE w/ time pips, music & nx. ID at 1537, some QRN - CC 16/11  
 1638 INDIA, AIR Bhopal moderate w/ ethnic music past 1700//3223 fair - KVB 23/11  
 1715 INDIA, AIR Bhopal(Tent) with trad. Indian music — NMK 1/11  
 3325 1023 PNG, UNID with good signal in pidgin and some EE, mention of Bougainville but no ID 0 DN 22/11  
 3365 1639 INDIA, AIR Delhi mod/good with classical music past 1703 — KVB 23/11  
 1740 INDIA, AIR Delhi poor and noisy with trad. Music — NMK 16/11  
 3395 1645 PNG?? R Eastern Highlands(Tent) v weak with choir, announcements and music, off at 1659 — NMK 11/11  
 3880 1735 UNID, possible SE Asian poor with spoken prgm and music from 1757 — 1801, possibly Indonesian — NMK 18/11  
 3905 0910 PNG, R New Ireland??? V good in dialect — NMK 11/11  
 3915 1615 SINGAPORE, BBC WS v gd in EE w/ British Top 5 frm 5/10 years ago - NMK 18/11  
 1708 SINGAPORE, BBC WS moderate in EE news — KVB 23/11  
 1717 SINGAPORE, BBC WS good in EE with ID and news — CC 9/11  
 3935 1722 NZ, ZLXA in EE with prgm on Drs in rural areas — NMK 18/11  
 3955 0658 UK, BBC WS moderate in EE with The World Today, off at 0700 — KVB 5/11  
 3960 1630 NTH KOREA, KCBS Pyongyang fair with opera prgm — NMK 29/10  
 3975 1656 HUNGARY, R Budapest moderate at s/on and ID 1659 — KVB 23/11  
 1715 HUNGARY, R Budapest fair in GG w/ IDs in several langs incl. EE - NMK 18/11  
 3995 0640 GERMANY, DW moderate with german classical music, ID 0700 — KVB 23/11  
 4060 1645 UNID, moderate in Arabic with music, freq. Schedule at 1700, not listed in 2000 PWBR — KVB 23/11  
 4278.5 0607 USA, AFRTS Key West FL in USB in EE with The Sports Fan Radio Network ID Same prgm heard on 6458.5 and 12689.5USB past 0800 — BDC 28/11  
 4620 0957 CHINA, Nei Menggu PBS s/on in Chinese better USB — DN 14/11  
 4658.8 1033 LAOS, R National Houa Phan improving after 1100 with Chinese type chanting, 6130 blocked by weak CHNX and then later BBC so could not check // - DN 22/11  
 4760 1648 INDIA, AIR Port Blair good with music past 1705 // 4800, 4840, 4880, 4920, 4940, 4960 - KVB 23/11  
 4770 NTH KOREA ??? R Pyongyang??? With brass band music followed by typical Nth Korean fair, no ID, could have been Vietnam?? - DN 9/11  
 4800 1620 INDIA, AIR Hyderabad?? Good with comment and music — NMK 18/11  
 4840 1650 INDIA, AIR Mumbai??? Good with comment & short music breaks - NMK 16/11  
 4870 1042 ECUADOR, R Dif Catolica Cultural with Santa Maria and prayers, very much

relig stn, weak — DN 22/11  
 4880 1730 INDIA, AIR Lucknow distorted in EE with news off at 1740 — NMK 16/11  
 4890 0900 PNG, excellent with EE news - NMK 8/11  
 5500 1625 ETHIOPIA, (Tent) V of Tigray Revolution mod / good in unid language with EE inserts, news at 1700 — KVB 23/11  
 5745 0800 USA, WHRI fair in EE with relig prgm — NMK 30/10  
 5800 1820 TAJIKISTAN (Tent) fair with ME music lost in noise 1830 — NMK 16/11  
 5810 0810 USA, KAIJ poor in EE with cajun style music — NMK 30/10  
 5825 0955 USA, WEWN good with music and ID at 0958 — NMK 5/11  
 5835 0552 USA, KAIJ with University N/W ex 5810 . Old channel clashing with Cuban txer - BDC 27/11  
 5900 1815 FRANCE, RFI good in French with comment on news — KAB 14/11  
 1845 FRANCE, RFI v weak in French // 5915 better — NMK 13/11  
 5910 1830 BELGIUM, RVI fr in EE w/ Brussels Calling, IS, ID, nx //9925 better - KAB 9/11  
 5915 1737 SLOVAKIA, R Slovakia Intl good in EE with news and ID // 6055 and 7345 as good — CC 9/11  
 5930 1800 CZECH REP, R Prague fair in EE // 7315 — BML 20/11  
 5935 0510 USA, WWCR good in EE with usual relig prgm — KAB 6/11  
 0855 USA, WWCR in EE with ID as World University Network, good — NMK 10/11  
 5940 1825 CIS, V of Russia WS good in ee // 11510, 9840, 7340 — BML 28/11  
 5950 0745 USA, R Taipei Intl good in EE with comment on Dr Sun — KAB 16/11  
 5955 0815 BRAZIL, R Gazeta(Tent) weak in Portuguese in relig prgm — NMK 12/11  
 6000 1845 POLAND, R Polonia poor in EE // 7285 — BML 28/11 (I've been trying for ths one for weeks with no joy, KAB)  
 6015 0530 CANADA, R Austria Intl rel. frm Sackville in EE w/ Report From Austria -JSB 10/11  
 6020 0900 AUSTRALIA, R Australia gd in pidgin with Pacific Is Service, ID 0910 - NMK 10/11  
 6029.6 0851 CHILE, R Santa Maria with music up to s/on 0854, difficult reception due to Chinese on 6030 — BDC 29/11  
 6040 0735 BRAZIL, R Clube Do Para v good in Portuguese with comment — NMK 11/11  
 1818 MOROCCO, VOA news in EE with health message and boxing, some QRM, fair - KAB 14/11  
 6055 0915 JAPAN, R Tampa good in JJ w/ horse racing commentary - NMK 10/11  
 6060 0810 ARGENTINA, R Nacional fair w/ radio play, distorted w/ QRM, QRN - NMK 11/11  
 0924 ARGENTINA, R Nacional Argentina with Musical Classical Cultura, have not heard this one for a while — DN 6/11  
 6065 1830 SWEDEN, R Sweden poor in EE with 60 Degrees North, severe QRM, better USB — KAB 9/11  
 6070 0920 CHILE, Voz Christiana poor with light jazz music, ID at 0930 — NMK 10/11  
 6080 1840 AUSTRALIA, R Australia good in EE with music // 7240 better — KAB 10/11  
 6115 0725 PERU, R Union excellent in Spanish with mx & comment, ID 0730 - NMK 11/11  
 6120 1100 JAPAN, NHK/R Japan in EE with Hello From Tokyo — JSB 7/11  
 6140 1645 GERMANY, DW good in EE with ID and talk about global warming — CC 9/11  
 6150 1057 SINGAPORE???, R Singapore Intl ?? good with sports and comment on weather pertaining to Singapore, and time - DN 22/11  
 6165 0440 NETHERLAND ANTILLES, RN fair in EE with world news //9590 stronger - CC 3/11  
 6175 0720 ??? BBC WS good in EE with documentary // 6195 — NMK 11/11

6185 0810 MEXICO, R Educacion v good in Spanish with comment , ID at 0813 - NMK 11/11  
6195 0700 UK, BBC WS v good in EE with news — KAB 6/11  
1920 SINGAPORE, BBC WS fair in EE with comment on fall of Berlin wall — KAB 9/11  
6210 1500 ETHIOPIA, R Fana with EE ID and prgm of recordings, poor due to RTTY QRM after ID - IC  
6462 0920 PUERTO RICO?? , AFRTS poor in SSB in EE, bad QRN and distortion difficult to copy — CC 20/11  
6700 1200 VEITNAM, R Lao Cai fair in local dialect // 5995 poor — IC  
6873 0700 USA, VOA Greenville SSB good and clear for first 30 minutes with Comms World - BDC 27/11  
6975 0752 COSTA RICA, RFPI fair in EE with ID and music — CC 26/11  
7100 1724 ERITREA, VOBME v good in local languages through to close at 1830. Arabic 7175 also good. Both can also be heard 0435 utc — BDC 29/11  
7120 0700 ITALY, IRRS, in EE with relig prgm from 0730 — 0800 Mon- Fri, fair — BML 1/11  
7130 1200 USA, R Taipei Intl with EE to Japan — JSB 7/11  
7150 0725 ??? V of Mediterranean with report on boat race around Med. In EE, good, ID 0728 — KAB 16/11  
7160 1526 CHINA, CRI good in EE with talk about China / US trade agreement // 9785 as good — CC 16/11  
7185 1829 BANGLADESH, R Bangladesh fair in EE with nx about Bangladesh - CC 26/11  
7235 1030 SINGAPORE, R Singapore Intl fair in Malay// 9665 which was better — IC  
7245 0645 ALGERIA, RTV Algerienne good with Home Service in French — IC  
7250 0731 VATICAN, R Vaticana good in EE with news of Clinton in Turkey, ID at 0733 — KAB 16/11  
7255 0605 NIGERIA, V of Nigeria v good in EE — IC  
7260 0930 CIS, RN in EE with news etc — JSB 9/11  
7275 1900 KOREA, RKI fair in EE with ID, news and comment to Europe — KAB 14/11  
7315 1800 CZECH REP, R Prague good in EE with IS, ID and news // 5930 — KAB 9/11  
7340 1815 CIS, V of Russia fair in EE with Russian news, some QRM — KAB 9/11  
1910 RUSSIA, R Chechnya Svobodnaya fair in Russian // 7305 QRM, good IDs at 2000 - IC  
7345 1930 SLOVAKIA, R Slovakia Intl poor in EE with IS, ID then Newsreel and Listeners Tribune - KAB 14/11  
7355 0735 USA, WYFR good in EE with relig prgm, ID 0759 — KAB 16/11  
7375 0353 BULGARIA, R Bulgaria moderate in EE with listeners mailbag, ID 0355, off at 0400 — KVB 22/11  
7385 0435 USA, R Prague relay via WRMI om this new freq at poor level. R Prague sked here in EE at 0400 — BDC 27/11  
7410 1814 INDIA, AIR fair in EE with news, prgm summary and music — KAB 10/11  
1846 INDIA, AIR Bangalore good in EE with ID 1859 then news — NMK 10/11  
7415 0615 USA, WBCQ good in EE with Bro Stair!!! — NMK 11/11  
7425 0945 USA, WEWN good in Spanish with ID 0955 — NMK 10/11  
7465 1730 BULGARIA, R Bulgaria with light pop music, ID 1800 — NMK 20/11  
7560 1725 GUAM, KSDA AWR good in EE from 1730 — NMK 17/11  
7800 1810 CHINA, CRI v poor in Chinese with comment — NMK 20/11  
7820 1715 CHINA, CRI fair in Indian??? // 7850 — NMK 16/11

Thanks to all the contributors for this month. I should comment that contributors should not rely on PWBR Blue Pages for station IDs — they are not 100% accurate. **If you can't hear an ID, show station as tentative.** 73's, Ken Baird

## CONTRIBUTORS FOR THIS MONTH

BDC -Bryan Clark, Omaha Beach, Auckland,AOR 7030 : BML - Bill McLeod, Christchurch, NRD 545, 60m wire, 12m vertical: CC - Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop, 26m wire with Balun: DN — Dave Norrie, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical : IC — Ian Cattermole, Blenheim, JRC NRD 545, T2Fd and Alpha Delta antennas :JSB — Jon Standingbear, Beaumont, California, USA, Palstar R30, Drake SW2, Off centre fed dipole 44ft/66ft: KAB - Ken Baird, Christchurch, R5000, ATS 909: 15m wire, Eavesdropper: KVB — Kevin Brayshaw, Levin, FRG7, HF Loops & 5MHz dipole : NMK - Neville Mc Kenty, Napier, R70, NRD 545,7600G & ANLP1, Sloper, DXSW Listener

Contributions to this column may be sent to PO Box 3011, Auckland or K A Baird, 10 Sarabande Avenue, Christchurch, 5. Ph: +64 3 352 6455, FAX: +64 3 354 1347, e-mail to [bandwatch.under9@radiodx.com](mailto:bandwatch.under9@radiodx.com)

## bandwatch.under9@radiodx.com with Andy McQueen

A special Christmas Hello to all readers from Trentham. We have some massive contributions this month so there's sure to be something for every one. A special welcome to returning contributor John Mainland of Karori Wellington. All times are UTC.

KHZ	TIME	COUNTRY	STATION&PGM	DETAILS	INITIALS	
9260	1855	Unknown Location	Mystery Station	at excellent level with western style music Guitars or Western pops till fade out 1905 16,17&18/11	NMK	
9370	2010	Unknown Location	Mystery Station	WYFR or AWR? Unable to Id with hymns and piano Mx in EE carries USA Radio News Very weak 11/11	NMK (See last months Times WTJC- Ed)	
9370.8	0320	USA	WTJC	Fair with EE religious pgm	#HJS	
9390	1915	ISRAEL	Kol Israel	Noisy but fair in unknown language with all spoken pgm to 1925 16/11	NMK	
9410	2045	GT BRITAIN	BBCWS	Just readable in EE w/ cmmnts about East Timor 11/11	NMK	
9425	1935	GREECE	Voice of Greece	Good in Greek and playing local music 16/11	NMK	
9440	0710	SLOVAKIA	R Slovakia	Int Good in English	HJS	
9455	1050	USAWEWN	Good in SS with all spoken pgm	Id 1057 and S/off 11/11	NMK	
9460	1755	TURKEY	TRT in Russian?	ID sounds like "Turkish Radio" fr w/ QRM 18/11 18/11	NMK	
9470	1728	RUSSIA	VORWS	Strong in EE with station address details by YL 9/11	CC	
9485	2050	FRANCE	RFI In FF with refs to Africa	Fades out 2100 10/11	NMK	
9495	1040	USA	WHRI	Fair with usual pgm 16/11	NMK	
9500	2115	AUSTRALIA	R Australia	Fading with comment about Australian social welfare system 10/11	NMK	
9520	2055	SLOVAKIA	R Liberty	Good with id as "Radio Sloboda" 16/11	NMK	
9525	1935	? VOA	Strong in EE but location unknown		#HJS	
9540	0330	SPAIN	REE	Excellent in SS to Nth America //15160 V/good	HJS	
9555	1949	THAILAND	HSK9	Good in EE with Science on Lake Vostock Antarctica ex BBC? Id 2000 " Radio Thailand broadcasting from Bangkok "	then German 16/11	NMK

9565 2120 USA? UN Radio? Afro style Mx At 2130 ref to VOA but write to a New York address Noisy and weak 11/11 NMK

9565 1140 USA?R Marti Fair in SS with numerous refs to Cuba Id at 1145 11/11 NMK

9580 2115 AUSTRALIA R Australia Fair in EE with Item on future of ABC Feedback pgm

9589.5 1310 SINGAPORE R Singapore Fair in EE to 1400 // 6150 20/11 BML

9595 2110 Unknown Location VOA Excellent in EE near unreadable with noise and co channel QRM from REE Spain 16/11 NMK

9600 0415 UKRAINE R Ukraine Int EE pgm about ecology then Ukrainian Mx # PRP

9620 1750 SWITZERLAND RSI In AA then 1800 FF Some sideband QRM 17/11 NMK (Not RSI but Swiss Radio International - Ed)

9620 0200 SPAIN REE Fair in SS with comments and Mx 17/11 NMK

9660 0335 FRENCH GUIANA NHK relay Excellent in JJ to South America HJS

9690 0340 SPAIN CRI relay Good in EE to Nth America HJS

9725 1000 COSTA RICA TIARW2 AWR with SS DX pgm and final broadcast from SW facility at Cahuita. Good at first but poor from 1027 when R Nederland signed on in Dutch. Fair at 1100 #PRP

9735 0300 GT BRITAIN Wales Radio via Merlin Network with 30 mins in EE Saturdays only 20/11 BML

9740 2120 SINGAPORE BBCWS Good in EE with Britain Today pgm 13/11 NMK

9760 1840 Unknown Location VOA Good in EE with items on stocks Aids // 6040 also good 16/11 NMK

9780 0708 ECUADOR HCJB Good in EE to Europe #HJS

9780.5 1810 YEMEN Yemen Radio Good in EE with Press Review News and pops VOA not on 9780 now 26/11 BML

1800 Fair with Nx in EE Id Music, Id again at 1825 4/11 PVP

9790 1030 NETHERLANDS ANTILLIES R Nederland Bonaire relay Good in EE with News New frequency Thanks for tip via Equinox newsgroup AMQ

9825 1758 JAPAN NHK/R Japan Good in EE to Sth Asia Closes with Id 14/11 PVP

9840 0730 FINLAND R Finland Very Strong in EE with pleasant audio HJS

9840 2138 VIETNAM V of Vietnam Fair in EE with Business News AMQ

9890 1800 RUSSIA VORWS Good with Nx in EE 19/11 PVP

9925 1848 BELGIUM RVI Wavre Fair to Europe in EE with Music Bartoks' Dance of the Beast // 13600 via Julich Good 14/11 PVP

9930 1530 HAWAII Que Huong Radio {R Free Vietnam} Very good in Vietnamese Address for this station: 2670s White Road Suite 165, San Jose CA 95148, USA IC

11570 1610 PAKISTAN R Pakistan Poor in EE with News in EE by YL & OM Very Noisy 9/11 CC

11615 1613 FRANCE RFI Strong in EE with Sports News // 17850 weaker 23/11 CC

11635 0735 RUSSIA Chechnya Svobodanaya Good in Russian and in // 15605 also good. Great ID slow and repeated at 0800 easy log and easy ID IC

0740 with mx pgm. Three Ids' at 0800 then interview till 0830 Fair to good signal #PRP

11710 0600 GT BRITAIN RCI relay V/good in EE with new pgm 'African Eyes'// 13690 and 15325 22/11 BML

11725 0809 BRAZIL R Novas de Paz Fair in PP and // to 9515 which was very good at this time IC

11730 1555 JAPAN NHK/R Japan Strong but QRM troublesome in EE with ' Lets learn Japanese' then Id 23/11 CC

11734 1817 TANZANIA R Tanzania Zanzibar Fair in Swahili with discussion Local id's at 1830 and 1843 Heard right through to Saturday closedown at 2100 on 27/11 Best heard on LSB BDC

1930 In the clear with talk in Swahili and a variety of Afro music styles Best in LSB to avoid slight het from 11735 23/11 PWO

11735 2136 ? VOA Good with Communications World pgm Sundays NZ time HJS

11750 0314 NETH ANTILLIES D/Welle Bonaire relay In EE to Nth America with a celebration of the fall of the Berlin Wall 6/11 PVP

11750 1940 ALGERIA R Algiers Int Fair in FF with mostly English! Pops. Into EE at 2000 in // to 15160 which was not so strong 27/11 PWO

11755 0710 ECUADOR HCJB Strong to the South Pacific but with co-channel QRM #HJS (Was it in EE? -Ed)

11800 0305 ITALY RAI Int Fair / good opening in SS // 15240 was under R Oz HJS

11805 0820 BRAZIL R Globo At good strength at this time in PP but suffers co-channel QRM at this time IC

11810 0215 GERMANY?D/Welle V/good in SS with Offenbach Mx Id 0229 17/11 NMK

11810 2030 Unknown Location Mystery Eastern European Station paying Elton John's Nikita in pgm breaks V/good signal 17/11

11815 0820 BRAZIL R CENTRAL Very good in PP IC

11830 0258 UKRAINE R Ukraine Int Fair Signing on in SS at 0300 17/11 NMK

11840 1030 USA CWSN Bible lesson in EE to China closes 1100 21/11 PVP (Is this a new station? - Ed)

11880 2100 AUSTRALIA R Australia Weak in EE with co-channel QRM 17/11 NMK

11935 2110 SAUDI ARABIA BSKSA V/good in AA with chanting & traditional Mx 17/11 NMK

11945 0130 SPAIN REE Poor in SS with Mx and comments 17/11 NMK

11950 2300 USA WINB Weak signal in EE Lost in QRM 2314 17/11 NMK

11955 2230 ?? BBCWS Poor in EE with documentary on World finance 17/11 NMK (Singapore according to BBC sked - Ed)

11980 0400 BELGIUM RVI Strong with 'Brussels Calling' with Id and 'Radio World' feature on Mondays BDC

11980 0400 NETH ANTILLIES RVI via Bonaire Good with News in EE to Nth America 6/11 PVP (Which is it gentlemen?- Ed)

11990 1832 KUWAIT R Kuwait Fair in EE with World News programme details and Id. QRM troublesome 26/11 CC

2035 Good in EE with old & new pop Mx plus News 18/11 NMK

12035 2015 SPAIN REE Excellent in SS with Mx and comments 12/11 NMK

12010 0615 RUSSIA R Maryja Good in Polish via facilities at Samara EE id at 0700 IC

12015 0400 ECUADOR HCJB Fair to good with News in EE HJS

12020 0440 USA WWCR Good with religious pgm 6/11 PVP

12035 1920 SPAIN REE Terrific signal in FF HJS

12050 2305 NORWAY R Norway / R Denmark Good in usual pgms with id on hour and half hour 1/11 NMK

12050 2045 EGYPT? R Cairo? V/good with traditional Mx then poor from 21 00 with anthem and comments 12/11

12070 UZBEKISTAN R Nederland relay Strong in EE with discussion on Indian education // 12090 via Madagascar as good 16/11 CC



12080 0045 ?? BBCWS Weak in EE with Chiropractor interview 15/11 NMK (According to BBC sked this is via 10 kW TX at Brandon Qld Australia, which I believe is also the source of TX, listed below - Ed)

12080 2055 AUSTRALIA R Australia With Pacific Islands Wx then at 2100 Nx & Id 18/11 NMK 2120 Weak rough surging and noisy Brandon? HJS (Yes see above - Ed)

12085 2115 SYRIA R Damascus Fair with News in EE HJS 2135 ? Appears to be in EE with trad Mx and anncts Fading and distorted QRN made very difficult even with DSP Poor signal 4/11 (Sounds like them - Ed)

12095 0200 ? BBCWS Good in EE with World Today 10th Anniversary of Berlin Wall 9/11 NMK (Via Ascension Island relay station Sth Atlantic according to my BBC sked -Ed)

12105 0250 GREECE Voice of Greece Fair with excellent pgm of Greek music 9/11 NMK

12160 2215 USA WWCW Poor in EE with History of financial markets 4/11 NMK

13600 1830 GERMANY RVI via Julich V/good with Brussels Calling pgm #HJS (Is this a new frequency and time slot? - Ed)

13610 1815 GERMANY D/Welle V/good in Middle Eastern language not Arabic with Id at 1900 and intro in EE 17/11 NMK

13615 2050 USA WEWN Poor with usual pgm Noisy 15/11

13625 0145 SWEDEN R Sweden Good in EE HJS

13635 0000 SWEDEN R Sweden Good in Swedish with reference to Stockholm Closes 0030 31/10 NMK

13640 1830 CANADA RTE Via Sackville relay Fair in EE // 21630 via Ascension Island which was weaker IC

13650 1935 CHINA CRI Good in EE to Nth & West Africa Interview with Japanese leader of LDP #PRP

13650 2055 CANADA RCI Good in FF with EE at 2059 and Id 16/11 NMK

13670 0140 CANADA RCI Sackville Good answering letters in EE

13670 0845 SOUTH KOREA RKI Fair in EE with talk about the place of woman in Korean society // 9570 as good 22/11 CC

13670 2230 BELGIUM RVI Opening in EE but very noisy IC

13675 0300 UAE R Dubai Good in AA Into EE at 0330 Id 0332 then Nx and Wx then pgm 'Arabs in History' 17/11 NMK 1616 Fair in EE with pgm Arabs in History // 13650 & 15 395 weaker 23/11 CC

13710 1733 AUSTRIA R Austria/ORF Strong in EE with report from Austria 9/11 CC

13725 1920 GERMANY VOA Lampertheim Fair in EE with Judy Masa's Border Crossings pgm of musical requests // 11970 only fair with splatter from 11965 Better on 9840 which is good AMQ

13730 1745 AUSTRIA OFR/ROI Good in EE with Weather lots of snow and item on why Austrians don't want supermarkets open on Sundays // 6155 19/11 PVP (Sunday is the second busiest day at our Pak N'Save now that beer sales are allowed - ED)

13750 0100 GERMANY? D/Welle gd w/ all spoken pgm in GG with refs to Berlin 15/11 NMK

13750 1944 INDIA AIR At very good strength closing EE Sce then Id in FF Over co-channel QRM Cuba // 9910 also heard 28/11 BDC

13765 1740 VATICAN CITY Vatican Radio Good in EE with Nx to Africa Slight QRM 19/11 PVP

13780 0900 GERMANY? D/Welle Good in GG with spoken pgm about Blitzkrieg 17/11 NMK

13795 2335 INDIA AIR Bangalore? Good in Hindi with Nx? 9/11 NMK

13800 0430 NORWAYR Norway Strong in Norwegian Ex listed 13805?HJS

0920 Good in Norwegian with item on helicopters 0930 Id and language change to Danish 17/11 NMK

13800 1735 BULGARIA R Bulgaria Fair in SS to Europe /11900 19/11 PVP

13820 GERMANY Croatian Radio V/good with very interesting Balika Mx pgm Id at 0930 18/11 NMK

13845 0000 USA WWCW With usual pgm in EE Weak but noisy 9/11 NMK

15049.1 0730 COSTA RICA RFPI Good with University of the Air in EE #HJS

15084 0405 IRAN VOIRIB Persian Sce with many mentions of Iran & Pres Clinton Id 0430 V/good signal # PRP

15100 2300 CHINACRI Fair with fading in CC with Language change and anthem at 2330 17/11 NMK

15105 0030 ANTIGUA D/Welle Poor in SS signing off at 2049 with Id 13/11 NMK

15135 2100 RIWANDA D/Welle Kigali Excellent in EE all about mad cow disease 4/11 NMK 2135 Excellent in EE to Asia/Pacific // 17560 to S/off 2145 HJS

15140 1410 OMAN R Sultanate of Oman Fair/good in EE to end at 1459 A vast improvement 20/11 BML

15145 GERMANY? D/Welle Fair in EE with item on religious cooperation in the Balkans but faded out by 1630 better on // 6140 AMQ

15149.8 1940 INDONESIA RRI Jakarta with Id as "La voix de Indonesia" Strong signal. At 1958 programming began in EE announcing frequencies as 9525 11785 & 15185 28/11 BDC

15165 0600 UZBECKISTAN R Tashkent Clear in Uzbek after Saudi Arabia closes on 15170 but better on // 17830 both heard past 0800 23/11 PWO

15185 2140 EQUATORIAL GUINEA R Africa Id and address for Liberia Ghana and America. Heard despite VOA on 15185 at this time 9/11 Nothing heard since 9/11 (Is this why I couldn't hear them this week? -Ed)

15150 2000 INDONESIA RRI Jakarta Strong with full Id in EE HJS

15185.7 1926 EQUATORIAL GUINEA R Africa Heard at low level for 2 days with EE religion up to fair level but not heard since #HJS

15185 2245 PHILIPPINES VOA So poor in EE only managed to hear the odd word in one hour 13/11 NMK

15195 2200 GUAM KTWR Signing on Indian language 2158 & off 2229 w/ ID pr 13/11 NMK

15200 0825 GUAM KTWR Strong in EE with Id and Baptist Bible Hour Some flutter 14/11 CC

15200 1930 INDIA AIR Very good in EE?? 11620 also good IC

15200 2300 FRANCE RFI Excellent in FF with interview with Jacques Chirac 2340 mx pgm NMK

15210 1010 CHINA CRI Excellent in EE with news of rural health pgms. Id 1015 13/11 NMK

15215 0140 USA WYFR Fair to good in SS with full Id's HJS

15215 0608 SOUTH AFRICA Channel Africa Fair/Moderate in EE with Nx but splatter from noisy VOA TX on 15185 Id heard 0609 25/11 KVB

15230 0050 ? CUIDAD Unknown station in SS Station ID includes "Cuidad" with numerous refs to Cuba Fair signal 13/11 (PWBR lists 2 stations on this frequency at the time quoted Firstly R Habana Cuba. Second is Emisora Cuidad de Montevideo a low power station in Uruguay. Which is it? -Ed) NMK

15230 0230 CUBA R Habana Cuba Good in SS HJS

15240 1800 ? VOA Good in EE with News Hour ID 1806 14/11 NMK

15250 0245 SRI LANKA VOA Colombo Fair in EE with News comments and Wall Street and

London Stock market reports 11/11 NMK

15255 0800 CZECH REPUBLIC R Prague Fair with Nx in EE ex 9880 kHz HJS  
0800 Fair in EE on this new frequency // 11600 IC

15255 1632 EGYPT R Cairo Fair in EE with Id and programme details. Scratchy 23/11 CC

15270 1000 ARMENIA Voice of Armenia in EE Suffers severe co-channel QRM from Taiwan but only on a Sunday IC

15275 1910 GERMANY? D/Welle Possibly the strongest ever heard at S9+40db with low level QRM HJS

15285 USA WSHB gd in SS w/ continuous comments, gave Boston addr. Off 0158 18/11 NMK

15290 0000 PHILIPPINES Weak in EE 15/11 NMK

15300 0130 THAILAND VOA Excellent in EE with News Now pgm 14/11 NMK

15310 0045 PHILIPPINES BBCWS Good in EE with the World today on the effects of HIV 11/11 NMK (according to my BBC sked its from Thailand-Ed)

15315 2305 NETH. AANTILLIES R Nederland Bonaire Good in SS to Nth Am HJS  
2315 Good in SS with all spoken pgm 11/11 NMK

15325 2015 CANADA? RCI fr in FF w/ multi ID's into EE at 2100 15/11 NMK (correct - Ed)

15330 0829 GUAM KTWR Good in EE with separate pgm from 15200 above Listeners Letters & prayers then Id 14/11 CC

15335 0058 PHILIPPINES R Veritas Asia Opens with Id in EE then into Bengali pgm Not to be confused with Tamil pgm on 15530 see below IC

15345 0230 ARGENTINA RAE Fair but surging signal relaying Radio Nacional in SS Time pips and Nacional Noticias - News Bulletin 27/11 BDC  
2305 Fading in with SS pgm with Tango Mx and vocals Id 2315 14/11 NMK

15350 2320 ? Unknown station in SS Fading in and out very weak with local QRM 13 & 14/11 NMK (VOA via Delano? - Ed)

15360 1020 SINGAPORE BBCWS Excellent in EE with news of Egypt Air crash 13/11 NMK

15370 RWANDA D/Welle Kigali Weak in GG with Id at sign on 13/11 NMK

15375 0030 SPAIN REE Good in EE with jazz pgm 11/11 NMK

15380 0045 ? UNKNOWN LOCATION & STATION S/on 0045 S/off 0330 Starts in unknown language but into EE at 0130 with Science and Technology show good signal 11 & 12 / 11 NMK (According to BBC sked this is them in Hindi & Urdu from Thailand - Ed)

15390 1810 EGYPT R Cairo Fair in EE with Id 1810 after Nx 14/11 NMK

15390 2000 GERMANY? D/Welle Fair in SS with comments and neo classical Mx 15/11 NMK

15400 0055 GT BRITAIN BBC poor in EE with feature on Y2K 13/11 NMK  
(Not listed on my BBC sked at this time. Which just goes to show that skeds can change? - Ed)

15400 0335 UAE R Dubai Fair/Moderate in EE with pgm on Arab culture & poetry 9/11 KVB

15415 2230 AUSTRALIA R Australia Excellent in Indonesian with Pop Mx pgm 13/11 NMK  
2305 Shepparton site Good with News in Indonesian HJS

15425 0150 SRI LANKA R Sri Lanka Fair /moderate in EE with religious pgm then classical Mx and Nx. OK past 0315 11/11 KVB

15460 0930 RUSSIA VORWS V/good in EE with Rock Mx from 1950/60 done by Russians Interesting pgm 12/11 NMK

15460 1530 USA VOA In English JM

15470 0734 RUSSIA?VORWS At good level in English #HJS

15485 0200 PAKISTAN R Pakistan Good in Hindi w/ EE ID " This is Radio Pakistan" 14/11 NMK

15485 0950 GT BRITAIN BBCWS Fair in EE with 'The Edge ' Sideband QRM from 15490 from

1000 13/11 NMK

15495 2340 KUWAIT? R Kuwait V/good signal with AA pgm HJS  
2340 Good but with fades with traditional Arab Mx 11/11 NMK

15500 1000 CHINA CNR2 Excellent in Chinese 14/11 NMK

15505 2115 KUWAIT R Kuwait? gd in AA w/ nx Colombo Kuala Lumpur USA etc 4/11 NMK

15530 0058 PHILIPPINES R Veritas Asia Opens in EE with Id then into Tamil pgm Good sig - IC

15550 2217 ECUADOR HCJB gd in SS w/ very enjoyable words & mx s/off 2230 15/11 NMK

15560 0327 MADAGASCAR R Nederland relay Good in Dutch at S/on Time signal and News 0330 11/11 KVB

15565 2120 USA WYFR Good in EE with pgm 'Open Forum with Mr Cappiero' 15/11 NMK  
2130 Excellent with usual Religious pgms #HJS

15610 2245 GUAM KTWR Fair in EE with Classical Mx with Id at 2258 "Voice of Hope"12/11 NMK (Is this not KTBN? - Ed)

15685 2130 USA WWCR V/good signal with religion pgm in EE HJS

15705 1540 NORWAY R Norway in Unknown language // 15715 JM (Probably Danish? -Ed)

15715 1543 USA High Adventure Ministries KVOH? JM

15780 0400 INDIA Fair in Persian ex 15070 Also noted in Indonesian at 0845 28/11 PWO

15820 0244 ARGENTINA R Continental LSB relay with id as "Radio Continental La Plata" and "Radio Continental presentar la informacion de la medianoche" Pgm of news and commercials Very good and audible past 0500 at varying levels 27/11 BDC

17505 0810 NORWAY R Norway Oslo in Norwegian 7/11 JM

17510 0140 HAWAII KWHR Angel 3 Good with programme on Radios HJS

17510 2359 USA WHRI Good in EE with Order of Life 27/10 NMK

17525 0513 ? R Free Asia in unknown language 7/11 JM

17525 0700 RUSSIA VORWS in English 7/11 JM

17545 0700 ISRAEL Kol Israel in Hebrew 7/11 JM

17560 0705 IRAN VOIRIB In Italian 7/11 JM

17560 2359 ?? D/Welle Excellent in EE with Documentary on birth & life in Bangladesh. Id 2145 then off 8/11 NMK

17565 1802 USA Voice of Greece relay via VOA transmitter site with English newscast about Turkish occupation of Cyprus Also audible on 17705 also a US based relay. Understood from Glenn Hauser report that English maybe weekends only 28/11 BDC

17565 2200 ?? VOA Fair with Id "This is VOA with a program in Creole"8/11 NMK

17570 0520 MALTA V of Mediterranean in Japanese 7/11 JM (No SW transmitters in Malta? Probably Russia-Ed)

17575 2300 SPAIN REE Fair/good in SS to Africa & Middle East HJS

17580 0600 BELGIUM RTBF Good in FF With EE Id at opening IC  
0730 R Brussels in French JM

17580 2200 AUSTRALIA R Australia Excellent in EE with news 7 comments on republic referendum 9/11NMK

17585 0525 YUGOSLAVIA R Belgrade In unknown language 7/11 JM

17600 0000 PORTUGAL RDP Good in PP with commentary sports & Mx Used Net address no Id 0159 29/10 NMK  
2200 V/good in PP and Tetum to Timor HJS

17605 0300 CHINA CRI Fair in CC with some sideband QRM from 17600 1/11 NMK  
0750 CNR1 Good signal with Chinese Music pgm HJS

17605 1855 NETHERLANDS ANTILLIES R Nederland Bonaire relay Weak in EE with reference to Jonathon Marks visit to Sydney then Id 26/11 CC

17630 0805 GABON Africa No 1 In French 7/11 JM

17640 GT BRITAIN BBCWS gd in EE w/ political comm. on China, Africa 8/11 NMK (Either Skelton or Wooferton according to my BBC sked. Wouldn't this cause a heterodyne? - Ed)

17650 2210 USA WHRI? Good with Super Hi powered religion 8/11 I think this is one of their new season frequencies 8/11 NMK

17660 1940 ECUADOR HCJB V/good in English

17665 0700 SWITZERLAND SRI Berne In Italian 7/11 JM

17675 2212 NEW ZEALAND RNZI Good in EE with sports Nx and then Science & Religion pgm 8/11 NMK  
2300 V/good with National pgm relay This is rarely good HJS

17680 1935 PORTUGAL RDP Good to Africa in PP // 21800 Poor on a different bearing HJS  
2256 Fair in PP with sports commentary and Nx 20/11 KVB

17680 2230 CHILE Voz Christiana Poor in SS with continuous light pop Mx Id at 2247 Some sideband QRM from RNZI above 8/11 NMK

17695 1830 BELGIUM RVI Wavre Good with News in EE to the Middle East and Africa // 13600 via Julich 4/11 PVP

17700 0755 CHINA CRI Good with Commentary in Chinese 8/11 NMK

17705 1805 USA? Voice of Greece Weak but audible in EE with news AMQ

17725 2250 PORTUGAL RDP Poor in PP with light pop Mx Short ann. at 2356 then off briefly then on again 2300 Id and comments then back to light Mx at 2305 8/11 NMK

17735 2310 PHILIPPINES? VOA Weak in EE with news of missionaries in India 8&15/11 NMK

17750 0755 AUSTRALIA R Australia Good in EE talking to musicians about retailing 8/11 NMK

17760 0800 SINGAPORE BBCWS Poor in EE with World Nx 8/11 NMK

17770 SPAIN REE Excellent in SS with Id 0810 Comments and Mx 8/11 NMK

17810 SRI LANKA D/Welle Trincomalee gd in EE with Financial News Euro dollar etc 5/11 NMK

17820 1800 CANADA? RCI s/on in EE with multi language Id's then into Russian I think?

17820 2230 PHILIPPINES VOA Fair in EE with News now pgm 31/10 NMK

17830 1748 ASCENSION ISLAND BBCWS Fair in EE with Sports Roundup AMQ  
1920 Poor in EE with mailbag pgm asking about soccer 2/11 NMK

17840 2222 EGYPT R Cairo poor in AA with Middle Eastern Mx off at 2030 3/11 NMK

17845 2200 USA WYFR So poor in EE that just readable 7/11 NMK

17870 1818 SOUTH AFRICA Channel Africa Fair in Ee with interview with paediatrician named Angela 17/11 PVP

17880 2359 GUAM AWR Very poor in EE with Id at 2359 then into a SE Asian lang. 8/11 NMK

17885 2000 ASCENSION ISLAND VOA Fair in EE to Africa

17895 1229 SWEDEN R Sweden Excellent in EE with Pacific Sce and Studio 49 31/10 NMK

17895 1755 MOROCCO VOA relay V/good in EE with editorial comments then s/off at 1757

18910 0830 NORWAY R Denmark V/good in Danish // 18950 31/10 NMK

18910 1945 USA WSHB Excellent in EE with Christian Science message but weakened to fair by 2000 31/10 NMK

18960 1150 SWEDEN R Sweden Excellent in EE with Studio 49 30/10 1 & 15/11 NMK

21455 0410 ECUADOR HCJB Fair in USB mode with EE pgm 'The Sound of Silence' A little distorted 2/11 CC  
2335 Good to fair in USB with EE from 0000 11/11 NMK

21460 0230 PAKISTAN R Pakistan pr/fr in HCJB splash with Hindi pgm then EE 0300 back into Urdu to close around 0800 QSYing to 21455 right on top of HCJB -PWO 27/11

21480 0720 ROMANIA R Bucharest fr in EE to Africa s/off at 0755 #HJS (Name change? - Ed)

21485 2210 ECUADOR HCJB? Fair in FF till lost at 2230 15/11 NMK

21495 0414 SAUDI ARABIA BSKSA? Fair with OM chanting Koran 2/11 CC

21500 1920 CHILE Voz Christiana Poor in SS with spoken items and Mx with easy Id's better on // 21550 4 & 5 /11 NMK  
2030 V/good in SS to Latin America // 21550 also V/good HJS

21525 2040 USA WYFR Only fair at this time in EE HJS

21565 1100 BELGIUM RTBF Strong in FF with EE Id on opening IC

21590 2020 ? BBCWS Fair only in EE HJS (Can't find this one on my BBC sked-Ed)

21600 1940 USA R Marti? V/good in SS with Mx comments and interviews 5/11 NMK  
1950 V/good in SS with many Id's News at 2100 HJS

21605 0605 UAE R Dubai Fair to poor with spoken items in AA HJS

21610 2000 JAPAN NHK/R Japan Excellent signal with pgm in JJ HJS  
2140 Excellent in EE with Hello from Tokyo to 2159 3/11 NMK

21610 0915 SPAIN REE Excell. in SS w/ cmmnts & refs to Costa Rica 7 Guatemala 16/11 NMK

21630 0330 UAE R Abu Dhabi Good in AA // 21735 equal 16/11 NMK  
0550 excellent signal with discussion in AA 0600 Time pips and Nx HJS

21640 0605 ? D/Welle Excellent in GG with Nx bulletin HJS

21645 2105 FRANCE RFI Fair/good with news in SS and full Id HJS

21660 0545 THAILAND? BBCWS Fair in EE with radio play HJS (Your close according to BBC sked the Singapore relay took over this channel from Thailand at 0530 -Ed)

21670 0130 JAPAN NHK/R Japan Excellent in English HJS

21700 0545 UAE R Dubai Closing in EE over co-channel QRM HJS

21705 0625 SAUDI ARABIA BSKSA Good in AA with full Id at 0630 HJS

21725 0310 AUSTRALIA R Australia Excellent in EE with Documentary about Aborigines also separate cricket pgm on 21740 8-16/11 NMK  
0440 V/good with cricket commentary Oz v Pakistan HJS

21735 0200 GUAM KSDA Poor under Abu Dhabi with EE ID at s/on then into 2 hour Chinese gospel pgm New Freq ex 21770 and a surprise move as the latter is clear 20/11 PWO

21740 2125 AUSTRALIA RA Shepparton Excellent in EE w/ republican referendum item HJS

21745 1000 CZECH REPUBLIC R Prague gd in EE w/ nx & talk about the Czech army 6/11 PVP

21780 0600 ? D/Welle Fair in GG with Nx Some fading Id 0629 16/11 NMK

21790 0629 RUSSIA VORWS Fair in EE with Gershwin and classical Mx 16/11 NMK

21800 2130 PORTUGAL RDP V/good in PP with soccer commentary to Brazil HJS

25930 1809 COSTA RICA RFPI Poor but quite readable signal with Glenn Hauser's 'World of Radio'. Monitored throughout the day peaking to fair levels and heard as late as 0300. New frequency replacing 13 metres channel 27 & 28/11 BDC  
2330 Poor signal at first though improving. Conditions have been poor on the 11m band lately with little sign of the STLs like WFLA 25870 so am predicting a fair signal when propagation is more agreeable. 27/11 PWO

My thanks to all of you who have contributed over the year for without your support there would be nothing here. I wish you all well for the New Year and new century. Thanks also to Steve Rawdon and Tune In for the skeds. It certainly helps to get the info as accurate as possible. Items marked with an # indicate a report was sent to the station.

You can send your contributions to me direct at 36A Brentwood Street Trentham Upper Hutt or via P O Box 3031 Auckland. My email address is [bandwatch.over9@radiodx.com](mailto:bandwatch.over9@radiodx.com)  
73's Andy McQueen

### SHORTWAVE EXCHANGE

AMQ Andy McQueen Trentham Wellington Sony 6800 with 40m long wire - BDC Bryan Clark -using a borrowed AOR 7030 at Omaha Beach Auckland on 27 to 29 November BML Bill McLeod Christchurch Kenwood R5000 60m wire & 12 m vertical - CC Cliff Couch Paraparaumu Sangean ATS803A 60m horizontal loop -- HJS Jack Searle Haumoana Hawkes Bay Icom R71 100m long wire 19 & 60m dipoles - IC Ian Catermole Blenheim JM John Mainland Karori Wellington NMK Neville McKenty PRP Paul Peacock PWO Paul Ormandy Oamaru PVP Phil van de Pavred Howick Auckland

### utilities@radiodx.com with Evan Murray, Auckland

Welcome to two new contributors to this column, Robert Park of Lower Hutt and Peter Chambers of Onekawa, Hawke Bay. We hope that you get pleasure out of this mode of radio listening and continue to let us know what you hear. I found some news of the broadcasts of Architect, the RAF Network which includes Flight Watch Stations in Cyprus, Gibraltar and Ascension, and now Pristina.

The address for contributions is 14 Kia Ora Road, Birkdale, Auckland, unless reporting loggings for other columns, in which case mail to Box 3011, Auckland for separation to respective Sub Editors. Or, of course, e-mail to [utilities@radiodx.com](mailto:utilities@radiodx.com)

- 1650 0945 Commercial fishing boats in English but with strong Euro accents. PC
- 2348 0700 DOC reports possum trap drop offs and deer hunting. PC
- 6238 0840 Poverty and Bay of Plenty long line tuna boats. PC
- 3023 0758 Mountain Radio forecasts for Kahurangi Hawke Bay. PC
- 3023 0900 VJM Macquarie Island. WX and servicing around the Island. PC
- 3023 0900 South Island Mountain Radio. WX reports. C
- 4417 0840 VJM Macquarie calling supply ship Aurora Australis. C
- 5290 0729 Unid no CS. Mention of nets across river and beer supplies. PC
- 5601 0820 Ezeiza Argentina. WX Cochabamba and Santiago. NM
- 5628 0858 San Francisco working Dynasty 390 (BMFK). Dest. JFK 15/11. BJ
- 5643 0933 Auckland/Qantas 7. SC GQEM. EM
- 5643 0945 San Francisco/Hawaiian 950 on ground Papeete. ETA 1000. NM
- 5643 1001 Tahiti/Hawaiian 952. Posn. FL 350. Contact San Francisco 5574. NM
- 5643 1005 Auckland/VP-CNP. SAROP. AKMED next. Ground speed 578. FL 410. SC JSBM. NM (Reg suggests Caribbean. Pavarotti? ED)
- 5643 1050 Nadi/RME Maintenance Copy OK. NM
- 5695 0803 Gander working Viking 195, 7/11. BJ
- 6628 0655 Santa Maria/New York. Say frequency to advise N5711. 4016. NM
- 7465 0832 VJN Cairns Royal Flying Doctor Service "To call operator please use your emergency call button". Repeated every 20 minutes. NM
- 7465 0750 Outback stations network. Heard Rod, Noel, Gary. Selcal test. NM
- 8294 0814 VJM Macquarie working Aurora Australis re unloading of ship. PC
- 8837 0837 Madang/Sabena? NM

# ENGLISH BROADCASTS: NOVEMBER 1999 - MARCH 2000

Something for the SWLers in the League. This column details English broadcasts heard by Mike Butler and/or Ken Baird since the change-over at the end of November. It probably doesn't include all broadcasts but is as complete as we can get it to date. We hope it will be of some use. Reception will be varied, depending on the propagation conditions at the time of listening, so don't give up, just keep trying, you will succeed eventually. The listings are based on the broadcaster's location, not the transmitter location.

UTC	BROADCASTER	FREQUENCIES
1800	Australia	6080, 7240, 9500, 9580, 11880, 15240
1800	Bangladesh	7190
1800	BBC WS	6195, 9410, 9740, 11980, 12095, 15400, 17830
1800	Czech Rep, R Prague	5930, 7315
1800	DW	6140
1800	Hawaii, KWHR	17650
1800	India, AIR	7410, 9950, 11620, 13750, 15075, 15200
1800	Kuwait	11990
1800	Malaysia	7295
1800	Nth Korea	9335, 11710
1800	NZ, RNZI	17675
1800	Russia	7340, 11510
1800	USA, Herald B/C	18910 Su-W
1800	USA, University N/W	13845
1800	USA, WEWN	15745
1800	USA, WHRI	13760, 15105
1800	USA, WWCR	12160, 15685
1800	Vietnam	7440
1800	VOA	6040, 9760, 11920
1830	Belgium, RVI	5910, 9925, 13600
1830	Ireland, RTE	21630
1830	Netherlands, RN	6020, 9895, 11655, 13700, 17605
1830	Sweden	6065 weekdays, 7345 Sun
1830	VOA	15240
1900	Australia	6080, 7240, 9500, 9580, 9660, 11880
1900	BBC WS	6195, 9410, 9740, 11980, 12095, 15400, 17830, 17885
1900	Bulgaria	11720
1900	China, CRI	9440
1900	Ecuador, HCJB	17660, 21455U
1900	Greece	9375 (10 minutes)
1900	Hawaii, KWHR	17650
1900	India, AIR	9950, 11620, 13750, 15075, 15200

1900	Netherlands, RN	9845,9895, 11655, 13700, 17605
1900	NZ, RNZI	17675
1900	Russia	9830, 9875, 11510
1900	Sth Korea, RKI	7275
1900	Thailand	9535
1900	USA, University N/W	13845
1900	USA, WEWN	15745
1900	USA, WHRI	13760
1900	USA, WSHB	15665, 18910
1900	USA, WWCR	12160, 15865
1900	Vietnam	9730
1900	VOA	9525, 9785, 9840, 11720, 11870, 11920, 12015, 13640, 13725, 15180, 15240, 15410, 15550
1930	Ireland, RTE	12160 M-F
1930	Slovakia	7345
2000	Australia	7240, 9500, 9580, 9660, 11880, 12080
2000	BBC WS	5975, 9410, 9740, 11835, 12095, 15400, 17830
2000	China, CRI	9440, 9535
2000	DW	9725
2000	Ecuador, HCJB	17660, 21455U
2000	Hawaii, KWHR	17510
2000	Israel, KOL	11605, 15640, 15650
2000	Ireland, RTE	12160 (Wed-Sat, Sun)
2000	Kuwait	11990
2000	Netherlands, RN	9845, 9895, 11655, 13700, 17605
2000	NZ, RNZI	17675
2000	Spain, REE	9595, 9680 (M- F)
2000	Switzerland, SRI	9620, 11910, 13660, 13790
2000	Syria, R Damascus	12085
2000	USA, University N/W	13845
2000	USA, WEWN	15745
2000	USA, WHRI	17650
2000	USA, WWCR	12160, 15685
2000	USA, WYFR	15565
2000	Vatican	11625, 13765
2000	VOA	9760, 11855, 15240, 15580, 17725, 17885
2030	India, AIR	11620
2030	Thailand	9535 (15 minutes)
2030	Vietnam	9730
2100	Australia	9500, 9580, 11880, 12080, 17580, 21740
2100	BBC WS	9740, 15400
2100	Canada, RCI	9770, 9805, 11945, 13690, 13650, 17820
2100	China, CRI	9535
2100	Cuba, R Havana	13750
2100	Czech Rep, R Prague	9430
2100	DW	9765, 15135, 17560

2100	Ecuador, HCJB	17660, 21455U
2100	India, AIR	9910, 11620, 11715
2100	NHK/R Japan	11850, 17825
2100	Nth Korea	13760
2100	NZ, RNZI	17675
2100	Sth Korea, RKI	15575
2100	Syria	12085
2100	USA, University N/W	13845
2100	USA, WEWN	15745
2100	USA, WHRI	17650
2100	USA, WWCR	12160
2100	USA, WYFR	15565, 21525
2100	VOA	9595, 9760, 11870, 15185, 15240, 15410, 15580, 17725, 17735
2130	Iran, VOIRI	13745
2130	USA, WWCR	15685
2200	Australia	17580, 17795, 21740
2200	BBC WS	9660, 11835, 11955, 12080, 15400
2200	Canada, RCI	11705, 13690
2200	Ecuador, HCJB	21455U
2200	Hawaii, KWHR	17510
2200	India, AIR	11620
2200	Iran, VOIRI	11740, 13745
2200	NZ, RNZI	17675
2200	Spain, REE	9595, 9680 (Sat, Sun)
2200	USA, University N/W	13845
2200	USA, WEWN	13615
2200	USA, WHRI	17650
2200	USA, WINB	13790
2200	USA, WWCR	15685
2200	USA, WYFR	21525
2200	VOA	15185, 15290, 17735, 17820
2230	Austria, ORF	13730
2300	Australia	12080, 17580, 17795, 21740
2300	BBC WS	11955, 12095
2300	Canada, RCI	9535, 11865
2300	Ecuador, HCJB	21455U
2300	Hawaii, KWHR	17510
2300	India, AIR	13625
2300	NZ, RNZI	17675
2300	USA, University N/W	13845
2300	USA, WEWN	13615
2300	VOA	15185, 15290, 17735, 17820
0000	Australia	12080, 15240, 17580, 17750, 17795, 21740
0000	BBC WS	15310, 15360, 17790
0000	Ecuador, HCJB	21455U
0000	Hawaii, KWHR	17510



0000	India, AIR	13625
0000	NZ, RNZI	17675
0000	USA, University N/W	13845
0000	VOA	17735, 17820
0100	Australia	12080, 15240, 15415, 17580, 17750, 17795, 21725
0100	BBC WS	12095, 15280, 15310, 15360, 17790
0100	Ecuador, HCJB	21455U
0100	Hawaii, KWHR	17510
0100	Iran, VOIRI	15085
0100	NHK/R Japan	15590, 17685, 17835, 17845, 21670
0100	NZ, RNZI	17675
0100	VOA	15250, 15300, 17820
0200	Argentina, RAE	11710 Mon — Fri
0200	Australia	15240, 15415, 15515, 17580, 17750, 21725
0200	BBC WS	9915, 11955, 12095, 15310, 15360, 17790
0200	Canada, RCI	11865
0200	DW	11965
0200	Ecuador, HCJB	12015, 21455U
0200	Hawaii, KWHR	17510
0200	Hungary, R Budapest	9835
0200	NZ, RNZI	17675
0200	Romania	11940
0200	Taiwan, R Taipei Intl	11740, 11825
0200	VOA	11705, 15250, 15300, 17740, 17820
0230	Sweden, R Sweden	9495
0300	Australia	15240, 15415, 15515, 17580, 17750, 21725
0300	BBC WS	11730, 11760, 11955, 12095, 15310, 17790, 21660
0300	Bulgaria	9400
0300	Canada, RCI	9755, 9780
0300	China, CRI	9690
0300	Costa Rica, RFPI	15050
0300	DW	9640, 11750
0300	Ecuador, HCJB	9745, 12015, 21455U
0300	Egypt, R Cairo	9475
0300	Finland, YLE	9655, 11665
0300	Hawaii, KWHR	17510
0300	NHK/R Japan	17825, 21610
0300	NZ, RNZI	17675
0300	Thailand	15460
0330	Hungary, R Budapest	9835
0330	Sweden, R Sweden	9495
0330	UAE	12005, 13675, 15400
0330	USA, WINB	11950
0400	Australia	15240, 15414, 15515, 17580, 17750, 21725
0400	BBC WS	9410, 11760, 11955, 12095, 15240, 15310, 15575, 17790, 21660
0400	Belgium, RVI	11980

0400	Canada, RCI	9535, 9690, 11795
0400	China, CRI	9730
0400	Cuba, R Havana	9820, 11705U
0400	Czech Rep, R Prague	9435
0400	DW	9565, 9765, 11785, 11965
0400	Ecuador, HCJB	9745, 12015, 21455U
0400	Guam, KTWR	9370
0400	Hawaii, KWHR	17780
0400	NZ, RNZI	17675
0400	Russia	15595, 17595
0400	Switzerland, SRI	9885, 9905
0400	Turkey	21715
0400	USA, Herald B/C	12020
0400	USA, WBCQ	7415
0400	USA, WHRI	7315
0400	USA, WYFR	9985
0400	VOA	7170, 9575
0430	Costa Rica, RFPI	15050
0430	Czech Rep, R Prague	9865, 11600
0430	Netherlands, RN	9590
0430	USA, KVOH	9975
0500	Australia	15240, 15515, 17750, 17580, 21725
0500	BBC WS	6175, 6195, 9410, 11760, 12095, 15310, 15575, 17640, 21660
0500	Channel Africa	15215
0500	China, CRI	9560
0500	Cuba, R Havana	9820
0500	DW	6100, 9670, 11795
0500	Ecuador, HCJB	9745, 12015, 21455U
0500	Hawaii, KWHR	17780
0500	Israel, KOL	9435, 11605
0500	Kuwait	15110
0500	Netherlands, RN	9590
0500	NHK/R Japan	6110, 7230, 11850, 15590, 17825
0500	NZ, RNZI	17675
0500	Russia	7125, 7180, 15470, 15490, 15595, 17595
0500	Spain, REE	6055
0500	Switzerland, SRI	9655
0500	USA, Herald B/C	7535, 12020
0500	USA, KTBN	7510
0500	USA, University N/W	5935
0500	USA, WBCQ	7415
0500	USA, WEWN	5825
0500	USA, WHRI	7315, 7435
0500	USA, WWCN	7435
0500	USA, WYFR	11550
0500	Vatican	9660, 11625, 15570

0500	VOA	7170, 7295, 11825, 12080, 15205
0530	Austria, ORF	6015, 6155, 13730, 17870
0530	UAE	15435, 17830, 21700
0600	Australia	12080, 15240, 15415, 15515, 17750, 21725
0600	BBC WS	6005, 6175, 6195, 9410, 9580, 11765, 12095, 15360, 15575, 17640, 17760, 21660
0600	Canada, RCI	5960, 6090, 6150, 9670, 11710, 11905, 13690, 15325
0600	Channel Africa	15215
0600	Costa Rica, RFPI	15050
0600	Croatia	11880
0600	Cuba, R Havana	9550, 9820
0600	DW	9565, 11785
0600	Ecuador, HCJB	9475, 12015, 21455U
0600	Hawaii, KWHR	17780
0600	Kuwait	15110
0600	NHK/R Japan	11850
0600	Nigeria	7255
0600	NZ, RNZI	17675
0600	Overcomer Ministry	13810
0600	Russia	15460, 15470, 15525, 17570, 17665, 21790
0600	USA, Herald B/C	7535
0600	USA, KTBN	7510
0600	USA, University N/W	5935
0600	USA, WBCQ	7415
0600	USA, WEWN	5825
0600	USA, WGTG	5086, 6890U
0600	USA, WHRI	5745, 7315, 7435
0600	USA, WJCR	7490
0600	USA, WWCR	5070
0600	USA, WYFR	5985
0600	VOA	5995, 6035, 7170, 7295, 11805, 11825, 11930, 15205
0630	Austria, ORF	6015
0630	Guam, KTWR	9370
0630	Vatican	11625, 13765, 15570
0700	Australia	15240, 15415, 15515, 17580, 17750, 21725
0700	BBC WS	6175, 6195, 9410, 9580, 11765, 12095, 15360, 15400, 15485, 15565, 17640, 17760, 17790, 21660
0700	Costa Rica, RFPI	15050
0700	Ecuador, HCJB	11755, 21455U
0700	Hawaii, KWHR	17780
0700	KHBN	9985, 15725
0700	Kuwait	15110
0700	Malta, V of Med.	7150
0700	NZ, RNZI	17675
0700	PNG, Port Moresby	9675
0700	Romania	17720, 21480

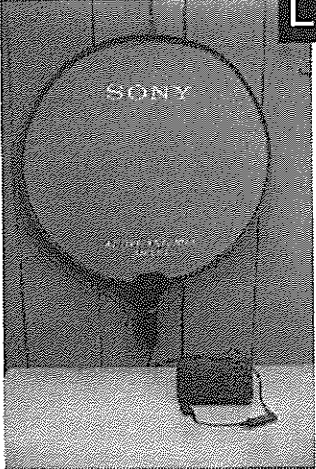
0700	Russia	15460, 15470, 15490, 15525, 17570, 21790
0700	Slovakia	11990
0700	Taiwan, R Taipei Intl	5950
0700	USA, KTBN	7510
0700	USA, University N/W	5935
0700	USA, WBCQ	7415
0700	USA, WEWN	5825
0700	USA, WGTG	5085, 6890U
0700	USA, WHRI	5745, 7315
0700	USA, WJCR	7490
0700	USA, WSHB	7435, 7535, 9845
0700	USA, WWCR	5070
0700	USA, WYFR	7355
0700	VOA	15250
0730	Finland, YLE	9840, 21670
0730	Switzerland, SRI	9885, 13635, 17665
0730	USA, WTJC	9370
0730	Vatican	7250, 15595
0745	Guam, KTWR	15200
0800	Alaska, KLNS	9615
0800	Australia	9710, 13605, 15415, 15515, 17750, 21725
0800	BBC WS	9410, 12095, 15360, 15400, 15485, 15565, 17640, 17830, 21660, 21830
0800	Croatia	13820 (7 minutes)
0800	Czech Rep, R Prague	11600, 15255
0800	Ecuador, HCJB	9760, 11755, 21455U
0800	Guam, KTWR	9870, 15200, 15330
0800	KHBN	9985, 15725
0800	Mexico, R Mexico Intl	6185
0800	NZ, RNZI	17675
0800	Overcomer Ministry	13810
0800	PNG, Port Moresby	9675
0800	Russia	15460, 15470, 15490, 17580, 21790
0800	Slh Korea, RKI	9570, 13670
0800	USA, KTBN	7510
0800	USA, University N/W	5935
0800	USA, WEWN	5825
0800	USA, WJTC	9370
0800	USA, WHRI	5745, 7435
0800	USA, WSHB	7535, 9845
0800	USA, WWCR	7435
0800	VOA	13650, 15150
0830	Switzerland, SRI	9885, 13685
0830	TWR	12070
0830	VOA	11995
0900	Australia	11550, 11880, 13605, 17750, 21820

0900 BBC WS 6125, 7245, 11955, 12095, 15380, 15485, 15565, 17640, 17760, 21470, 21660  
 0900 China, CRI 11730, 15210  
 0900 DW 6160, 12055, 15105, 17820, 21600  
 0900 Ecuador, HCJB 11755, 21455U  
 0900 Guam, KTWR 15200, 15330  
 0900 Hawaii, KWHR 17780  
 0900 KHBN 9985, 15725  
 0900 NZ, RNZI 17675  
 0900 PNG, Port Moresby 9675  
 0900 Russia 9905, 15460, 15470  
 0900 USA, KTBN 7510  
 0900 USA, University N/W 5935  
 0900 USA, WEWN 5825  
 0900 USA, WHRI 5745, 7435  
 0900 USA, WSHB 9845  
 0900 VOA 11995, 13650, 15150  
 0930 Austria, ORF 21650, 21765  
 0930 Guam, KTWR 9865  
 0930 Netherlands, RN 7260, 9790, 12065  
 0930 Philippines, FEBC 11710

Good listening, 73's Ken Baird and Mike Butler

# SONY

## LP-AN1



- ◆ High Sensitivity SW Loop Antenna
- ◆ High performance against noise
- ◆ Compact Size

Enquire at an authorised **SONY** dealer

<http://SONY.co.nz>

8867 2253 NZ 215/Auckland. Can you listen for Alba Posn 33oS 169oE. NM  
 8867 0016 NZ 235/Auckland. Can you listen for Alba West of your position. NM  
 8867 2307 VH-BGV. Have WX New Plymouth. Confirm ops normal. NM  
 8867 1952 Nadi/World 808. Posn. NM  
 8867 0539 Nadi/Elite 780. Posn. NM  
 8867 - Auckland/NZ 163. SC HALQ. RP  
 8867 - Brisbane/N103BG. Posn. RP  
 8867 - Auckland/Reach 7031. Posn. RP  
 8879 1718 Bombay/Singapore 427. Dubai to Singapore. NM  
 8879 1722 Perth/Cathay 748. Posn. SC. NM  
 8879 1800 Bombay/India 700. NM  
 8879 1705 Gander/KLM 611. Climbing FL 370. NM  
 8891 0842 Iceland/Canforce 1673. Will call at 15oW. EM  
 8891 0758 Gander/Canforce 36. Will call at 30oN. EM  
 8891 0844 Speedbird 286/Iceland. Posn. Next 70oN 20oW. EM  
 8891 0849 Iceland/Canforce 1671. Posn 56oW 73oN at 0840. Say track. EM  
 8903 1241 Japanair 711, Japanair 188, Air Lanka 911/Naha. Posns. NM  
 8903 1025 Tokyo/Japanair 56. Estimate 37oN 116oE at 1118. NM  
 8903 1900 Manila/Koreanair 242. NM  
 8906 0743 New York/Unid 891. 44oN 43.05W. Request FL 360. NM  
 8906 0749 New Yorking working Iberia 66, 8/11. BJ  
 8930 0709 Stockholm/India 729. Bombay to Dubai. Requesting replacement IRS #3 at Dubai. NM  
 8933 0913 Unid/Gander. 47oN 50oW. FL 280. EM  
 8942 0756 Singapore/Asia 353, Japanair 6625 Posns. NM  
 8942 0803 Tokyo/Beaver 11?. Estimate 27oN 160oE. SC CEGS. NM  
 8951 - Tokyo/North West 20. Posn 43oN 160oE. RP  
 8992 0457 Black Ant/Hickle. How copy? Go to Zulu 79. NM  
 9031 1755 Architect/WX RAF Akrofiri, RAF Gibraltar. NM  
 9031 2357 Auckland calls India 2000 — no response, 24/11. BJ  
 9032 2103 Auckland/Ice 17. Posn APORO. Block 310/350. Hazard code 1012. DALOS 9 hours 3 minutes. NM  
 9032 0103 India 2000/Control asks if you require higher block. NM  
 9032 0140 Auckland/Sierra 94. APORO 9139. ANOPA next. Call Chch. NM  
 10018 1753 Bombay/Navy 96786. Make secondary 5659. NM  
 10018 1756 Bombay/Brunei 94. Posn. SC DRJQ. NM  
 10024 0815 Lima/American 911, Delta 106, United 973 Posn. NM  
 10024 0638 Santiago/Qantas 115. Posn 46oS 80oW. NM  
 11175 0830 Reach 2540. Alt will bring you close to Turkey. Have you diplomatic clearance? 15/11 BJ  
 11175 0620 Reach 3035 w/ phone patch to Frankfurt Command — 6000lbs cargo. BJ  
 11256 1748 Holloway/Ethiopian 3711. Posn Abu Simbel 1747. JC  
 11279 1635 Arctic Radio clears Virgin 008 to higher level. JC  
 11285 1825 Brunei/Chennai. Contact Mumbai(Bombay) after BBM(Belgaum). NM  
 11285 1924 ACFQ 6722/Chennai. Approved for flight PPB(Port Blair) to MMV (Chennai). What is your authority number to fly over India? Authority is YA 380/091/30095. NM

- 11285 1853 Chennai/Cathay 749. Posn. FL 350. SC ADJL. Est PPB 1903. NM  
 11300 1953 Martinair 703/Khartoum. Call Khartoum 124.7. NM  
 11300 0358 Cairo working Condor 264, 24/11 BJ  
 11384 - Tokyo/Eva 21. Posn 22oN 140oE. RP  
 11384 - Tokyo/Japan 772. Posn UKATA. RP  
 11384 - Tokyo/United 897. SC FHAP. RP  
 11396 1031 Perth/Speedbird 10. FL 370 climbing FL 390. SC BPAL. NM  
 11396 0928 Malaysia 170/Kinbalu. Contact Control 128.3. NM  
 11396 1151 Hong King/Mandarin 938. Posn. FL 370. SC EPBM. NM  
 13261 2355 Auckland/Flight West 783. Posn. TEKAP next. NM  
 13261 0010 San Francisco/Nadi. I have an aircraft N212CP at FL 7000. Can you try to copy his position? NM  
 13261 0136 Brisbane/Kiwi 011. Posn. SC LMDK. State dangerous cargo. NM  
 13306 1857 Mogadishu/Uganda 652. From Nairobi. Request WX. NM  
 13306 2020 Mexico 2/New York. I want you to contact Air Afrique RKA 460 on your guard radio and have him call me. NM  
 13306 2027 Air Afrique 460. I have got your guard. NM  
 13306 1900 New York/Windsor 932 at 35oN. NM  
 13306 1905 Portugal 123/New York. Are you requesting FL 370? NM  
 13309 1037 Hong Kong /Vietnam 928. Confirm FL 370. NM  
 13339 0728 Lima/Aero Unid in Spanish. NM  
 13339 0758 San Francisco/North West 12. Change to 8951. NM  
 17904 1926 Viper 174/an Francisco. Stay left of track. NM  
 17904 0226 San Francisco/Navy 9029. Posn. Est CANOE 0245. NM  
 17904 0425 Contact 527/Brisbane. Report over Honiara. NM  
 21985 0441 Air Mike 916/San Francisco. Secondary 17904. Call Guam 118.7. EM  
 21985 0443 San Francisco/Air Mike 978. FL 330 at 0441. Fuel 28.6. 240/34. EM  
 21985 0445 San Francisco/Air Mike 864. Next Koror. EM  
 21985 0103 Air Mike 56/San Francisco. Cleared to Ponape. NM  
 21985 2242 Air Mike 957/San Francisco. Bradley Air Services request your ETA. 2230 UTC that's 4.30 am local. NM  
 21985 - San Francisco/Qantas 59. SC EGFm. RP  
 21985 - San Francisco/Air Mike 1C. Posn 14oN 160oE. RP  
 21985 - San Francisco/Tower 8778. Posn at ATIBA. RP  
 21985 - San Francisco/N995SK. Posn Majuro. RP  
 21985 - San Francisco/NZ 79. Posn Waypoint LIDIT. RP  
 21985 - San Francisco/Air Mike 917. SC DHBC. Departed Guam. RP  
 124.8 0157 Napier - Skyhawks 52, 52 overshoot and touch and go. NM  
 124.8 2254 Napier - Kiwi 83 overshoots proceeding to Taupo. NM  
 124.8 - VP-CNP arrived Napier. Pavarotti? NM  
 124.8 - Link 163 (B737) arrived Napier. Charter under 17 soccer team. NM

Contributors - JC John Charlton Greymouth Kenwood 5000, 30 m wire - NM Neville McKenty Napier NRD 545, Icom R 70, AOR 2002, 60 foot antenna sloper, Short Wave listener, Discone D130 - BJ Basil Jamieson Oamaru Drake R 8, Kenwood 5000, 30 m wire PC Peter Chambers Napier Drake R 8A, Amplified 15 foot whip - RP Robert Park Lower Hutt Kenwood 1000, 40 foot wire — BJ Basil Jamieson, Kakanui EM Evan Murray Auckland Kenwood 5000,

Yaesu 7700, T2FD.

Thanks to everyone for the fine contributions and I hope that you tuned in to Channel 1 for the documentary on the work of Air Traffic Controllers on 8 December. Seems US controllers have a stressful time coping with those hundreds of flights each day. A pity that there were no shots of the work of the Oceanic HF control.

**broadcast.dx@radiodx.com** with Paul Ormandy, Oamaru

Merry Christmas and a Happy New Year to you all! Let's hope that the year 2000 brings rewards for the hours spent at the dials... whether you're an avid QSLer or simply a listener, your findings are most welcome in the MW section.

And a rather light mailbag this time round... which isn't that surprising given that everyone seems to be experiencing similar conditions to me... yuck! And he's at it again, Peter Chambers proves that the Real Estate sales adage "location, location, location..." is as pertinent to DXing as selling houses... read on...

Lindsay Robinson, Invercargill, "One QSL from WMIB 1660, Merry Christmas and a Happy New Year to all" and may your Xmas tree make a good aerial mast!

John Allchin, Avoca, NSW "Dx notes from a visit to Avoca Beach. The visit to Avoca was a joint mini DXpedition and family beach weekend but experience is telling me that it is difficult to mix the two. Nonetheless I was pleasantly surprised that within a relatively short distance from Sydney the band was fairly active with North Americans on nearly all channels that were clear of local stations or their splatter. None of this is possible at home. Many stations were not ID'd but this was an opportunity at least to refamiliarise myself with MW DX possibilities here; no logs were taken, just taped recordings. Unfortunately X-Band reception was virtually non-existent, many channels were covered by Aussies but even clear channels did not produce anything except perhaps 1660 - I don't know whether this was a result of conditions, aerial system or receiver." *Looks like you've hit on a promising location... now to find somewhere else for the rest of the family!!!*

Peter Chambers (a.k.a. "The Aerial Guy"), Oneroa, Hawkes Bay, "Not much organized DXing activities due to good weather and much surf-casting. Recently discovered that by far the best MW DX location in the Hawkes Bay is in fact right at the foot of the North East Cliffs of Bluff Hill. Parked up in my van using an amplified 5ft. whip I get better MW results than anywhere else. Electrical QRM is nil and the big cliffs massively attenuate both skywave and groundwave NZ stations from south-west round to the west. Here in Napier that means all South Island, Wellington, Masterton, Palmerston North, Wanganui & Taranaki stations. Also the majority of electrical QRM is to the south-west of the listening location. The electrical quietness of the X-band is better than any other location I've found. I look forward to returning with an amplified 15ft. whip, detachable from the vehicle so that I can position the aerial even harder up against the cliff base. With the van antenna, the NZ signals drop dramatically the closer you to the base of the cliff though North American sky-wave signals stay the same. I did not expect the cliffs to knock out the Wellington night-time sky-wave signals due to the high angle of arrival on such a short hop, however the cliffs to take out such signals in the order of 20-30dB. So far DX conditions on the three nights I've listened at the site were absolutely awful. Comparisons between the amplified whip and radial wire show that the radial wire beats the whip on signal-to-noise ratio hands down. On SW however, the whip has far better pick-up." *Will look forward to more results.. especially when you strike good*

propagation too...

**Cliff Couch, Paraparaumu,** "Peter Chamber's recent article about radial wire antennas gives me new hope. With no fences in our village, I can run out 80 metres of wire along the ground at about 50° azimuth, and possibly 100 metres to the south-east from our villa. This would have to be in the dead of the night when there are no residents or vehicles about! At present the lawns around our villas are being top-dressed and re-sown but once they recover I'll give this option a try" *I guess you'll be out looking for cliffs now! I'll resist the opportunity for a pun...* [Sounds like the ideal time to sneak out at night and bury a wire just below ground level! - Andy]

**Andy Gardner, Tlajomulco, Mexico,** "The WMIB 1660 DX Test provided me with the incentive to do my first MW 'DXing' from Mexico. All I have at present is a tiny Sony SRF-M32 portable digital AM/FM radio, but by holding it up to the fusebox in my mid-town apartment, I was able to hear a number of X-Band signals and a few normal MW signals from USA (along with screeds of Mexican stations, of course). With the amount of vacant land around here, I'm feeling very tempted to obtain a Drake R8B and start scrounging around for beverage construction materials (and no, that doesn't mean Tequila and Lemon!)."

**Paul Ormandy, Oamaru,** I haven't been DXing MW much, for two reasons. First I haven't been able to get to Waianakarua due to a slight accident requiring 6 weeks plaster for a broken fibula... thanks to a spectacular dive when attempting to field a cricket ball... (that's your body telling you you're getting too old to be playing cricket - Andy) and the MW band has been very poor... thankfully the postie is still working and I can boast QSLs from WHKT 1650 (for #State 43) and R 12-70, Aruba 1270 (for Country #138).

### Merv Branks Trophy

Paul Ormandy 13, Lindsay Robinson 4

### Best of the Month

Paul Ormandy with R. 12-70, San Nicolaas, Aruba 1270kHz 1.5kW

### Kiwi Trail

PC - Peter Chambers, Bluff Hill cliffs. CC - Cliff Couch, Paraparaumu. AG - Andy Gardner, Tlajomulco, Mexico.

- 640 0903 USA KFI Los Angeles CA, "KFI News-time" good copy. PC
- 760 1500 HAWAII KGU Honolulu, fair. CC
- 830 1000 HAWAII KHVH Honolulu HI, good w/id on hour, ABC nx. PC
- 880 0806 USA KRVN Lexington NE, exc copy, comprehensive wx for NE area, ids "Midnight Cowboy Trucking Network", country mx. PC
- 1017 1035 TONGA A3Z Nuku'alofa. Fair. CC
- 1017 1650 AUSTRALIA 2KY Sydney, fair. CC
- 1050 0716 USA KCTC San Mateo CA, ID, ad for recruitment company serving the Bay Area, sports tlk. PC
- 1190 0700 USA KEX Portland OR, "News-radio 11-90 KEX" id, Art Bell //1510 KGA. PC
- 1500 0648 USA KSTP St Paul, MN "Radio Free Minnesota, AM 1500 KSTP" id 0700 ABC nx. PC
- 1580 0959 USA KMIK Tempe AZ, fair. CC
- 1580 1025 USA KBLA Los Angeles CA, fair. CC
- 1640 1007 USA KDIA Vallejo CA "Let's talk about it on 16-40 KDIA" good signal. PC
- 1650 0951 USA KGIL Costa Mesa CA, up briefly w/id. PC

- 1660 0740 USA KXOL Brigham C, UT good w/id between songs. Quickly fades. PC
- 1660 0358 USA WMIB Marco, FL Oldies - DJ has real low voice. Good ID's. AG
- 1680 0338 USA WTIR FL w/ adverts & travellers info. "16-80 AM W-T-I-R Traveller Information Radio". AG
- 1700 0349 UNID SS signal. Possibly Mexican as very strong AG
- 1700 0600 USA WRNU Miami Springs, FL pres the one here heard u/ SS, with ESPN? AG

### Avoca Beach Trail

John Allchin, Sydney DXing from Avoca Beach, Central Coast, 70 km north of Sydney Nov 20-21 using a Sony ICF6800W and 160m longwire

- 760 0934 HAWAII KGU Honolulu very dominant with sports news.
- 830 0915 UNID with 'Art Bell Coast to Coast'. Lack of patience prevented me from waiting for a local ID. Who is this? Not too many alternatives. ( *possibly KHVH Honolulu-ed*)
- 1030 1100 USA KTWO Casper, WY only just making it with top of the hour ID.
- 1040 0900 CANADA CKST Langley, BC very good with clear ID at top of the hour mixed two others.
- 1050 1110 USA KTCT San Mateo, CA one of the most consistent with ESPN Radio promo and frequent Sports Fan Radio IDs.
- 1090 1050 USA KRPM Seattle, WA peaking fair to good thru het from 1089 with C&W.
- 1100 0919 USA KFAX San Francisco, CA assume the one here with continuous religious programming just clear of the het from 1098.
- 1120 0855 USA KPNW Eugene, OR very good with syndicated talk prgm.
- 1190 1055 USA KEX Portland, OR good and in the clear of splatter from 2NZ with talk prgm.
- 1200 1120 CANADA CKXM Victoria, BC good with 'Today's Hot Country CKXM' ID.
- 1320 0925 USA KCTC Sacramento, CA with oldies format and then 'This is your memory station AM 1320 KCTC Sacramento' ID.
- 1380 0925 HAWAII KIFO Pearl City very good with Radio Budapest programming and NPR radio promo occasionally mixing with C&W station, assume KTOM.
- 1390 0856 USA KVIN Turlock, CA remarkably good atop another with Barry Manilow song and then 'KVIN Turlock-Modesto' ID at 0900 before going into more music.
- 1480 0905 UNID with ABC News and advt for Ovaltine. ( *Probably KYOS Merced CA-ed*)
- 1580 0844 USA KMIK Tempe, AZ with Radio Disney IDs mixed another.

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**broadcast.news@radiodx.com** with Bryan Clark, Auckland

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### BROADCAST NEWS FROM AROUND THE WORLD

**AUSTRALIA** Check this URL for the latest Aussie MW station list from DXer Dave Onley...  
<http://www.netSPACE.net.au/~dih/dx/mw.html> (Paul Ormandy)

Update on Radio Symban, Sydney **1674**. After persistent efforts (language is a problem with most station staff), I managed to leave message and later received a phone call from Mary. She has received letters from Patrick Martin (USA), and they are amazed to be heard that far, in fact she thought it was a hoax! In reality, they have no idea of QSLing etc...Mary is only a part time staffer but is extremely helpful and will be inviting me to their studio in the week. Radio Symban will require reply postage for DX reports. They are 400



watts into a whip antenna. (John Wright with thanks to Chris Martin and Patrick Martin via PWO)

Australia's newest X Bander has commenced on 1620 from the Whitsunday region of Queensland with 400 watts. The licensee is Coral Coast Christian Broadcasting Association who are calling themselves 'Reef Rhema'. Manager of the station is John Robert-Shaw with address as P.O.Box 202 Bowen, Queensland 4805. Phone 61-7-4786-3300. The transmitter is located beside the Proserpine - Airlie Beach Road at Cannonvale. (Chris Martin)

The new 1701 station in Sydney playing non-stop Country and Western music 24 hours a day is New Talk Country.....no callsign....or if you wish (says owner) 2NTC. The 400 watt transmitter is located at Homebush Bay, overlooking the 2000 Olympic Games site. Address for reports is 5 Macquarie St, Parramatta 2150 NSW, Australia. All reports must be accompanied by either Self stamped addressed envelope or 1 USD or 1 IRC. A prepared card also helps. A bonus for DXers - include your telephone number and indicate in your report if you would be interested in an on-air interview, for on air ....no problem even if you live outside of Australia. (John Wright)

**2 KZ Sydney 1611** - the on-air date has been delayed till the new year. (John Wright)

**COLOMBIA** The Colombian Army has set up a network of radio stations. The station on 1600 has been heard in Scandinavia already...

- 1120 HJQ92 Ejercito de Colombia, Yopal, Casanare 5kw
- 1150 HKX59 Ejercito de Colombia, Tibu, Norte de Santander 1kw
- 1270 HJQ99 Ejercito de Colombia, San Jose, Guaviare 5kw
- 1510 HKV41 Ejercito de Colombia, Barrancabermeja, Santander 1kw
- 1520 HKT21 Ejercito de Colombia, Tierralta, Cordoba 1 kw
- 1530 HKD65 Ejercito de Colombia, Cauca, Antioquia 1kw
- 1540 HJC52 Ejercito de Colombia, Chaparral, Tolima 1 kw
- 1550 HKV38 Ejercito de Colombia, Pitalito, Huila 1 kw
- 1570 HJE96 Ejercito de Colombia, Palmira, Valle 1kw
- 1570 HKX53 Arc Armada de Colombia, Puerto Leguizamo 2 kw
- 1600 HKD72 Colombia Mia, Carepa, Antioquia 3 kw

Thanks to Bogota DXer Rafael Rodriguez for this info. (Paul Ormandy)

**EAST TIMOR** According to Australian DXer Richard Jary, UNAMET broadcast manager Ric Curnow informs that UNAMET is on-air from Dili with 4 kW on# ±°648 kHz. Also on FM with 250 watts. According to other reports in September, the UN through its UNIMET arm is seeking to re-establish a broadcasting service for the East Timorese. Radio UNIMET was instrumental in a large voter turn-out for the referendum that led to East Timor's independence. Radio UNIMET did broadcast for five hours a day in four languages. It also had a Catholic Church presence. Now they wish to have presence again to help in the reconstruction of the East Timorese community. (Distance 25/11 via NRC's IDXD 3/12/99)

**HAWAII** Long silent KOHO Honolulu on **1170** is due to be reactivated with an oldies format on 15 January 2000. (IRCA's DX Monitor 11/99)

**UNIDENTIFIED 1135.04** monitored on 2 December at 0400-0415 - per John Wilkins' tip all the way from Colorado, definitely an UNID Latin American here. Not much time to spend on it tonight, but nonetheless someone is here with what seemed to be contemporary Christian SS vocals (references to "corazón" and "cristo" on one song), though not certain of the format. Just slightly on the high side of 1135, if that means anything. Anyone else out there care to jump on this one? Definitely not a Cuban, thankfully. Will try to monitor more over the

next week, maybe even a local sunrise check (post-sunrise peak would confirm it's a Central American). (Terry Krueger-FL via NRC's IDXD 3/12/99)

**USA** WHKT "The Big Kat" **1650** verified by letter from Doug Stewart, Group Marketing for report with 60c mint US stamp. Address: 2202 Jolliff Rd, Chesapeake, VA 23321. Virginia is my US state QSL'd #43. (Paul Ormandy)

Radio Marti on **1180** from Marathon Florida has increased its power from 50kw to 100kw in early November. (Radio Netherlands Media Network 11/11)

### **NORTH AMERICAN NEWS from International Radio Club of America**

- 560 CJKL Kirkland Lake ON moves to 101.5 FM.
- 570 WDTF Raleigh NC has this new callsign ex WRDT.
- 590 WOW Omaha NE requests call change to KOMJ "Magic 590". Effective 22 November, the station was to drop the live classic country format in favour of nostalgia — Westwood 1 Standards. Station signed on in 1923. Call letters reflect the original licensee, Woodmen of the World. WOW will remain in Omaha on FM. (Ernie Wesolowski)
- KNRO Redding CA heard with C&W music, advert for Redding area, and "Giant Country 600" slogan. (Dan Sys BC)
- 600 KCOL Wellington OH, new call letters ex KLIK.
- 630 CFCO Chatham ON is increasing night power to 6kw.
- 630 KXLI Opportunity WA new callsign ex KKPL.
- 650 WSM Nashville TN format was classic country, now country "America's C&W" (will drop IRN overnights in February 2000).
- 690 CKVL Montreal ON began testing here 19/11 ex 850. (Barry McLarnon ON via Pat Martin) In French with slogan "Info 690" (Sheldon Harvey)
- 930 KSDN Aberdeen SD format was talk, sports, adds soft Adult Contemporary (moves Dr. Laura to KCAA).
- 940 CKNN Montreal QU (currently CIQC 600) began testing 15/11. They apparently will be known as "940 News" and "Montreal's only all-news radio station", and are "going live on 14 December. They will be a CNN affiliate (hence choice of callsign? (Barry McLarnon ON via Pat Martin)
- 990 KTUB Wichita Falls TX format was sports, reported silent in preparation for move to the Dallas market.
- 990 KATD Pittsburg CA ident at 0031 ELT as "The best in sports and talk, KATD Pittsburg-Concorde," then news. (Glen Hansen OR)
- 1040 KCBR Monument CO increasing day power to 15kw Non-Directional.
- 1050 KTCT San Mateo CA has construction permit to modify DA (5 towers)
- KMAP Frazier Park CA is new callsign replacing KTRJ.
- 1060 KOFY Gilmer TX new call letters, formerly KBNB.
- 1110 KLIB Roseville CA hrd with Spanish music. English legal ID's given for half a dozen stations, one of which included KLIB. (Dan Sys BC)
- 1150 KSRB Seattle WA has construction permit for 10kw days, directional antenna at nights.
- 1290 WCFI Ocala FL new call letters replacing WTMC.
- KKAR Omaha NE has ident as "Radio 12-90 K-KAR" into "Money Talk" program. (Nancy Johnson MT)
- 1300 CJME Regina SK identifies as "News-talk CJME". (Nancy Johnson MT)
- KYNO Fresno CA format is now Spanish with "Radio Guadalupe" ID's and English ID on the

hour as "KYNO, 130 AM, Fresno" back into Spanish programming. Ex-sports format. (Pat Martin OR)

- 1310 WOKA Douglas GA now JRN regional Mexican ex JRN classic C&W.
- 1350 WTOU Akron OH format was urban AC, now ESPN sports.
- 1370 WLTH Gary IN was silent, now reactivated with talk.
- 1380 WONO Fort Wayne IN is new callsign ex WHWD.
- 1390 WNIO Youngstown OH, new call letters replacing WRTK.
- 1400 WSDO Sanford FL change of callsign for WTRR.
- KKTL Casper WY has added sports talk to its talk format.
- 1410 CIGO Port Hawkesbury NS has been granted move to 101.5 MHz FM with 19 kW by the CRTC (Deane McIntyre AB via Pat Martin)
- 1410 KIIIX Fort Collins CO is new callsign, replacing KCOL.
- 1410 WKKP McDonough GA format was AC, now JRN standards.
- 1440 WLWI Montgomery AL has new callsign replacing WHHY.
- 1470 KRAK Sacramento CA with ident as "Gold Country, 1470 KRAK" ID. (Pat Martin OR)
- 1580 WSMO Camp Lejeune NC new callsign replacing WWJV.
- 1600 KMNY Pomona CA format was Chinese and business, has added standards/nostalgia in the morning drive slot with Gary Mercer as host, and as fill-ins for the rest of the day. Program director is Jeremy Landau. (Gary Larsen CA)
- 1630 TIS Los Angeles CA LAX Airport TIS station coming in fair-good though modulation somewhat muddled. Male talking with mentions of "parking" "L.A. International Airport," and "1630 AM." (Robert Wein CA)
- 1640 KPBC Lake Oswego OR new callsign replacing KKJY.
- 1660 WWRU Elizabeth NJ is changing to 9kw night power, directional antenna.

**SPECIAL DX TEST** On Saturday 1 January, KSTN 1420 from Stockton California will conduct a DX test from 0800 UTC, that is just after midnight local time. KSTN's request line (209)948-1420 - will be open to go on the air with New Year's greetings. The format will be '70s disco music. There will be a prize drawing from all reports received for a souvenir piece of the transmitter. Reception reports may be sent to: Mr. Paul Shinn, Chief Engineer KSTN-AM, 2171 Ralph Avenue, Stockton, CA 95206. E-mail: KSTN@broadcast.net (Arranged by Lynn Hollerman for the IRCA CPC, via IRCA's DX Monitor's electronic edition)

**LATINO YELLOW PAGES** Whilst in South America recently I came across these yellow pages addresses on the Internet. Handy for hunting down station info. I see that Radio Star in Lima (used to be widely heard on 1300 kHz AM) is now one of the top FM'ers in Lima since their conversion. Ecuador and Bolivia are yet to make the move to electronic Yellow Pages. <http://paginasamarillas.telefonica.com.pe> [www.paginasamarillas.com.ar](http://www.paginasamarillas.com.ar) [www.paginasamarillas.com.br](http://www.paginasamarillas.com.br) (Chris Martin)

**IRCA FOREIGN LOG** The 10th edition of this useful publication for international MW DXers is now available for US\$10.00 plus US\$2.00 for airmail delivery overseas. This edition contains all DX loggings outside USA/Canada submitted to IRCA's DX Monitor magazine over almost three years, from 9/96 to 7/99. All collated and in frequency order by Trans Atlantic, Pan America and Trans Pacific. Order from IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334, USA. (All checks payable to Phil Bytheway)

**RADIO SLOGANS** I have started work on a slogans list for AM radio. Check out the internet at <http://www.angelfire.com/mb/slogans/index.html> (Shawn Axelrod via IRCA DX Monitor)

**DXPEDITION TO THE FAR NORTH** The 132nd DXpedition to Lemmenjoki in Finland is now over. From 15 to 22 November, Mika Makelainen and Jim Solatie scanned the AM band, using the ultimate DXing hardware in our traditional location, above the Arctic Circle. The DXpedition was relatively successful despite the rather high solar activity. The most interesting part was listening to Asian stations in the afternoons. Several stations, which have never before been logged in Finland nor elsewhere in Europe, were identified. Aside from the "normal" catches, our log also contains some interesting split frequencies, new unlisted transmitters and some unidentified stations. The Dxpediton report is at <http://www.makelainen.com/dx/lem132.htm>. I hope that this report will offer DXers around the world a peek into Finnish DXing and the DXpeditions of the season. I hope you enjoy the report and find the log useful. I also hope you will return to the site a few months from now, because we have a huge pile of unchecked recordings and it is safe to say that dozens of rare stations will be added to the log in the weeks and months ahead. (Mika Makelainen email via PWO)

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*adcom.news@radiodx.com compiled by Bryan Clark, Auckland*

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**FESTIVE & NEW YEAR GREETINGS** to all League members from the Administration Committee. May you find your dream receiver in your Christmas stocking, and the new year bring you some great DX catches!

**DX QUESTIONNAIRE RESULTS** About 50% of the membership responded to the questionnaire sent out with the August 1999 DX Times. Here are the results of the question pertaining to radios in use by members. 127 responses reported on a total of 238 receivers, that's an average of 1.9 radios per member! The most popular brand of receiver amongst New Zealand SWLs and DXers is **SONY** with 22% of radios reported in use, followed by **YAESU** on 13% (apparently no longer manufacturing general coverage receivers), **NATIONAL/PANASONIC** 10%, and **SANGEAN** a surprising 4th on 9% despite their widespread availability. Then follows **ICOM** and **KENWOOD** with 8% each, **DRAKE** in 7th place on 5%, followed by **AOR**, **GRUNDIG** and **EDDYSTONE**. **UNIDEN** and **BARLOW WADLEY** headed the remaining 10% of receivers, with just 3 receivers each. Further feedback from the Questionnaire will feature in future columns.

**EMAIL ADDRESSES** Another finding from the Questionnaire is that a considerable proportion of the membership have access to the Internet. League Treasurer PHIL VAN DE PAVERD is updating the club membership records to include email addresses and would like to publish the list to assist communication between members. Please send your email address to Phil at [treasurer@radiodx.com](mailto:treasurer@radiodx.com) and indicate if you are happy to appear on the published list, or if you don't want to.

**ANOTHER REQUEST FROM THE TREASURER** Phil also asks that members who's subscriptions are due and who do not wish to renew their membership, please notify him by email or by letter to Box 3011, Auckland.

**NZ WINS AGAIN** Once more, a New Zealander has won Adventist World Radio's global DX contest, which this year featured the world's largest QSL collections. Our congratulations to **RON KILLUCK** of Christchurch, Chief Editor of NZDXRA's "Tune In", who has a collection of more than 67,000 QSLs, mainly for aircraft logs. This is the 5th occasion in 13 years that a Kiwi DXer has won the annual AWR contest. Make a note to listen out for details

of the Year 2000 Contest, due next September.

**RA RA FOR RADIO !!** According to a recent Colmar Brunton survey of 500 people in NZ metropolitan and regional areas commissioned by the Radio Bureau, commercial radio is the most personal of the media, and is felt to be 'alive and human'. Other findings of the survey included: radio is the most important medium to the greatest number of people; it is looked on as a trusted and highly valued and integral part of life; it is the most familiar and in-sync with the personal lives of its listeners; while people are increasingly time-starved, they maximise their use of time by listening to radio while doing other things. As a media, radio scored 63% for its importance while free-to-air TV hit 59%. But 10 to 17 year olds rated radio and TV equally at 47%. And when asked what media they most liked to relax with, free-to-air TV outrated radio 44% to 33% (via National Business Review 29/10/99)

**KIWI SPORT ON SHORTWAVE AT RISK** Radio New Zealand International (RNZI) is seeking a sponsor to ensure the continuation of sports coverage on the station. Without this, the station will be unable to continue broadcasting sports commentaries to listeners in the Pacific. RNZI has for many years relayed commentaries of New Zealand rugby, cricket, league and other sports. Currently these are sourced from commercial sports station Radio Sport. However relays will have to cease unless a sponsor can be found. RNZI Manager **LINDEN CLARK** says the sports relays have been an important feature of the station since its upgrade to 100kw in 1990. She says RNZI has been very grateful to The Radio Network and Radio Sport for allowing relays of their sports coverage at very generous terms. However, sports coverage and the negotiation of rights and contracts have changed in the past few years and sports broadcasting is now complicated and expensive. Ms Clark says Radio Sport is seeking to put the relationship with RNZI on a new commercial footing from November and she says that without outside assistance, such as sponsorship, RNZI will be unable to meet the new charges. (extracts from RNZI Press Release 28/10/99) *(RNZI was heard with Radio Sport relays on 27 November, so hopefully this useful service for expatriate Kiwis will be sustained. Ed)*

**BRAZIL INTERNATIONAL SERVICE STILL SILENT** Radio Nacional do Brasil, which broadcast in English, German and Spanish on shortwave, says it is "temporarily off the air for technical reasons". In a brief note from RNB, received by **EVAN MURRAY**, the station recommends listeners check the Radiobras Internet website at [www.radiobras.gov.br/abr/internacional](http://www.radiobras.gov.br/abr/internacional)

**RAMADAN** Ramadan, the month during which Muslims observe the Fast of Ramadan, is an interesting time for radio listeners as many stations in the Muslim world operate special broadcast schedules & programmes - often 24hours a day. So it is a good chance to hear something new. According to the Islamic Society of North America, the first day of fasting for Ramadan is expected to be 9 December. (In the year 2000, Ramadan begins November 27). (Thanks to Steve Whitt via Medium Wave Circle via NRC's IDXD e-mail 3/12/99).

**HAPPY BIRTHDAY** to Radio Australia, 60 years young this month!

**STOP PRESS** Late breaking news from e-Median Strip issued on 5 December - National Radio's promised shift to FM is about to get underway, beginning in Auckland and Taupo. Outgoing RNZ Minister Marie Hasler said the decision reflected the National government's commitment to Radio New Zealand as the country's national voice. "Initially RNZ will have FM broadcasts in two areas, Auckland and Taupo, with extensions to other areas examined on a case by case basis after reviewing its success. "As a result of moving to FM, broadcasts in Taupo will give a better service for lower cost. This and the fact that Auckland

is National Radio's largest market with over 100,000 listeners, is why these two areas have been chosen for initial FM coverage." If FM is successful AM coverage will be phased out in Auckland with FM replacing AM straight away in Taupo, said Hasler. Other areas being considered for the second stage of FM transmission include Hamilton, Tokoroa, Rotorua, New Plymouth, Palmerston North and Alexandra.

## shortwave in time order *with Yuri Muzyka*

Time Order summaries of Under & Over 9 MHz loggings. The contributor's name is abbreviated here (for further details please see the Under & Over 9 MHz columns). Please remember to include the date with all your loggings, thanks.

**TIME ORDER SURVEY** -- Can I please have your comments and suggestions! What do you prefer -- just EE (English) broadcasts? Or all language broadcasts? I included a sample of all languages in the November DX Times. Are all languages a waste of precious magazine space? Should the full summary instead be included regularly on the NZRDXL's web site?

You can e-mail me at [yuri@win.co.nz](mailto:yuri@win.co.nz) or post the conventional way to the League at: NZRDXL, P.O. Box 3011, Auckland (mark your letter "Attn: EE Broadcasts Column Editor") and they will be forwarded on to me probably in the new year.

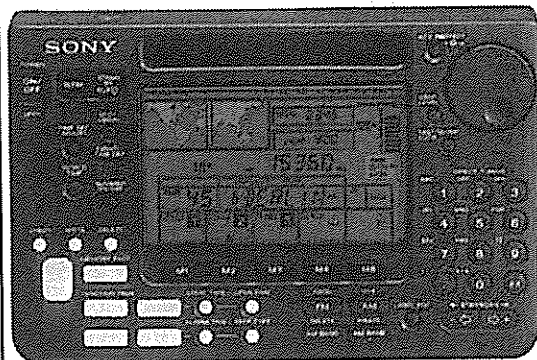
**LINRADIO GNU GPL (Linux/Unix) SOFTWARE DEVELOPMENT PROJECT** -- If you own a WINRADIO Communications receiver and use a Linux or Unix computer operating system (or are planning to) then I have a free software solution for you! I am an official Linux software developer/support person for WINRADIO Communications (an Australian company) and have contributed a Program Suite publically free under the popular GNU General Public License which can be found on the internet at the website: <http://www.linradio.com/sources.htm> (two submissions -- mine, and WKit authored by Pascal Brisset of France). Enjoy! A LINRADIO documentation project is nearing completion which will compliment the software project.

I wish you all a Merry Christmas and a safe 2000! 73 - Yuri ("George") Muzyka.

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0000	13845	WWCR	USA	9/11	NMK
0000	21455(USB)	HCJB	ECUADOR	11/11	NMK
0030	15375	REE	SPAIN	11/11	NMK
0045	12080	BBC WS	UK	15/11	NMK
0045	15310	BBC WS	UK	11/11	NMK
0055	15400	BBC	GT BRITAIN	13/11	NMK
0130	15300	VOA	USA	14/11	NMK
0130	21670	NHK/R Jap.	JAPAN	-	HJS
0140	13670	RCI	CANADA	-	???
0140	17510	KWHR	HAWAII	-	HJS
0145	13625	R Sweden	SWEDEN	-	HJS
0150 - 0315	15425	R Sri Lanka	SRI LANKA	11/11	KVB
0200	12095	BBC WS	UK	9/11	NMK
0245	15250	VOA	USA	11/11	NMK
0300	9735	Wales R.	GT BRITAIN	20/11	BML
0300	21460	R Pakistan	PAKISTAN	27/11	PWO
0310	21725	R Australia	AUSTRALIA	8/11	NMK

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0314	11750	D/Welle	GERMANY	6/11	PVP
0320	9370.8	WTJC	USA	-	HJS
0330 - 0332	13675	R Dubai	UAE	17/11	NMK
0335	15400	R Dubai	UAE	9/11	KVB
0340	9690	CRI	CHINA	-	HJS
0353 - 0400	7375	R Bulgaria	BULGARIA	22/11	KVB
0400	11980	RVI	BELGIUM	6/11	PVP
0400	11980	RVI	BELGIUM	-	BDC
0400	12015	HCJB	ECUADOR	-	HJS
0410	21455(USB)	HCJB	ECUADOR	2/11	CC
0415	9600	R Ukr Int	UKRAINE	-	PRP
0440	6165,9590	RN	NETHERLANDS	3/11	CC
0440	12020	WWCR	USA	6/11	PVP
0440	21725	R Australia	AUSTRALIA	-	HJS
0510	5935	WWCR	USA	6/11	KAB
0530	6015	R Austria Int	AUSTRIA	10/11	JSB
0545	21660	BBC WS	UK	-	HJS
0545	21700	R Dubai	UAE	-	HJS
0552	5835	KAIJ	USA	27/11	BDC
0600	11710,13690,15325	RCI	CANADA	22/11	BML
0605	7255	V of Nigeria	NIGERIA	-	IC
0607 - 0800	4278.5,6458.5,12689.5(USB)	AFRTS	USA	28/11	BDC
0608 - 0609	15215	Channel Afr	SOUTH AFRICA	25/11	KVB

0615	7415	WBCQ	USA	11/11	NMK
0629	21790	VORWS	RUSSIA	16/11	NMK
0650	2390	WWCR	USA	2/11	KVB
0658 - 0700	3955	BBC WS	UK	5/11	KVB
0700	6195	BBC WS	UK	6/11	KAB
0700	6873(SSB)	VOA	USA	27/11	BDC
0700	7120	IRRS	ITALY	1/11	BML
0700	17525	VORWS	RUSSIA	7/11	JM
0708	9780	HCJB	ECUADOR	-	HJS
0710	9440	R Slov Int	SLOVAKIA	-	HJS
0720	6175,6195	BBC WS	UK	11/11	NMK
0720 - 0755	21480	R Bucharest	ROMANIA	-	HJS
0725 - 0728	7150	V of Mediterranean	???	16/11	KAB
0730	9840	R Finland	FINLAND	-	HJS
0730	15049.1	RFPI	COSTA RICA	-	HJS
0731 - 0733	7250	R Vaticana	VATICAN	16/11	KAB
0734	15470	VORWS	RUSSIA	-	HJS
0735 - 0759	7355	WYFR	USA	16/11	KAB
0745	5950	R Taipei Int	USA?	16/11	KAB
0752	6975	RFPI	COSTA RICA	26/11	CC
0755	17750	R Australia	AUSTRALIA	8/11	NMK
0800	5745	WHRI	USA	30/10	NMK
0800	11600,15255	R Prague	-	-	IC
0800	15255	R Prague	CZECH REP	-	HJS
0800	17760	BBC WS	UK	8/11	NMK
0810	5810	KAIJ	USA	30/10	NMK
0825	15200	KTWR	GUAM	14/11	CC
0829	15200,15330	KTWR	GUAM	14/11	CC
0845	9570,13670	RKI	SOUTH KOREA	22/11	CC
0855	5935	WWCR	USA	10/11	NMK
0900	4890	NBC?	PNG	8/11	NMK
0920	6462(SSB)	AFRTS	USA	20/11	CC
0930	15460	VORWS	RUSSIA	12/11	NMK
0950 - 1000	15485	BBC WS	UK	13/11	NMK
0955 - 0958	5825	WEWN	USA	5/11	NMK
1000	15270	V o Arm.	ARMENIA	-	IC
1000	21745	R Prague	CZECH REP	6/11	PVP
1010 - 1015	15210	CRI	CHINA	13/11	NMK
1020	3215	WWCR	USA	31/10	NMK
1020	15360	BBC WS	UK	13/11	NMK
1030	9790	R Neder.	NETHERLANDS	-	AMQ
1030 - 1100	11840	CWSN	USA	21/11	PVP
1040	9495	WHRI	USA	16/11	NMK
1057	6150	R Sing. Int	SINGAPORE?	22/11	DN
1100	6120	NHK/R Jap	JAPAN	7/11	JSB
1150	18960	R Sweden	SWEDEN	30/10	NMK

1200	7130	R Taipei Intl	USA?	7/11	JSB
1229	17895	R Sweden	SWEDEN	31/10	NMK
1310 - 1400	6150,9589.5	R Singapore	SINGAPORE	20/11	BML
1410 - 1459	15140	R Sult o Om	OMAN	20/11	BML
1500	6210	R Fana	ETHIOPIA	-	IC
1526	7160,9785	CRI	CHINA	16/11	CC
1530	9930	R Free Viet.	???	-	IC
1530	15460	VOA	USA	-	JM
1530 - 1537	3315	AIR	INDIA	16/11	CC
1543	15715	KVOH?	USA?	-	JM
1555	11730	NHK/R Jap	JAPAN	23/11	CC
1610	11570	R Pakistan	PAKISTAN	9/11	CC
1613	11615,17850	RFI	FRANCE	23/11	CC
1615	3915	BBC WS	UK	18/11	NMK
1616	13675,13650,15395	R Dubai	UAE	23/11	CC
1630	6140,15145	D/Welle	GERMANY	-	AMQ
1632	15255	R Cairo	EGYPT	23/11	CC
1645	6140	DW	GERMANY	9/11	CC
1708	3915	BBC WS	UK	23/11	KVB
1717	3915	BBC WS	UK	9/11	CC
1721	2310	ABC	AUSTRALIA	2/11	KVB
1722	3935	ZLXA	NZ	18/11	NMK
1728	9470	VORWS	RUSSIA	9/11	CC
1730	7560	KSDA AWR	GUAM	17/11	NMK
1730 - 1740	4880	AIR	INDIA	16/11	NMK
1733	13710	R Aust/ORF	AUSTRIA	9/11	CC
1737	5915,6055,7345	R Slov Intl	SLOVAKIA	9/11	CC
1740	13765	Vatican R.	VATICAN CITY	19/11	PVP
1745	6155,13730	ORF/RAI	AUSTRIA	19/11	PVP
1748	17830	BBC WS	UK	-	AMQ
1755 - 1757	17895	VOA	USA	-	???
1758	9825	NHK/R Jap	JAPAN	14/11	PVP
1800	5930,7315	R Prague	CZECH REP	20/11	BML
1800	7315,5930	R Prague	CZECH REP	9/11	KAB
1800	9890	VORWS	RUSSIA	19/11	PVP
1800	17820	RCI	CANADA	-	???
1800 - 1806	15240	VOA	USA	14/11	NMK
1800 - 1825	9780.5	Yemen R.	YEMEN	4/11	PVP
1802	17565,17705	V o Greece	GREECE	28/11	BDC
1805	17705	V o Greece	GREECE	-	AMQ
1809	25930	RFPI	COSTA RICA	27/11	BDC
1810	9780.5	Yemen R.	YEMEN	26/11	BML
1810 - 1810	15390	R Cairo	EGYPT	14/11	NMK
1814	7410	AIR	INDIA	10/11	KAB
1815	7340	V of Russia	CIS	9/11	KAB
1818	6040	VOA	USA	14/11	KAB

1818	17870	Channel Afr	SOUTH AFRICA	17/11	PVP
1825	5940,11510,9840,7340	V o Russ	WSCIS	28/11	BML
1829	7185	R Bang.	BANGLADESH	26/11	CC
1830	5910,9925	RVI	BELGIUM	9/11	KAB
1830	6065	R Sweden	SWEDEN	9/11	KAB
1830	13600	RVI	BELGIUM	-	HJS
1830	13600,17695	RVI	BELGIUM	4/11	PVP
1830	13640,21630	RTE	???	-	IC
1832	11990	R Kuwait	KUWAIT	26/11	CC
1840	6040,9760	VOA	USA	16/11	NMK
1840	6080,7240	R Australia	AUSTRALIA	10/11	KAB
1845	6000,7285	R Polonia	POLAND	28/11	BML
1846 - 1859	7410	AIR	INDIA	NMK	10/11
1848	9925,13600	RVI	BELGIUM	14/11	PVP
1855	17605	R Ned.	NETHERLANDS	26/11	CC
1900	7275	RKI	S. KOREA	14/11	KAB
1920	6195	BBC WS	UK	9/11	KAB
1920	9840,11970,13725	VOA	USA	-	AMQ
1920	17830	BBC WS	UK	2/11	NMK
1926	15185.7	R Africa	EQ. GUINEA?	-	HJS
1930	7345	R Slov. Intl	SLOVAKIA	14/11	KAB
1930	11620,15200	AIR	INDIA	-	IC
1935	9525	VOA	USA	-	HJS
1935	13650	CRI	CHINA	-	PRP
1940	17660	HCJB	ECUADOR	-	???
1944	9910,13750	AIR	INDIA	28/11	BDC
1945 - 2000	18910	WSHB	USA	31/10	NMK
1949	9555	HSK9	THAILAND	-	???
1958	15149.8	RRI	INDONESIA	28/11	BDC
2000	17885	VOA	USA	-	???
2020	21590	BBC WS	UK	-	HJS
2035	11990	R Kuwait	KUWAIT	18/11	NMK
2040	21525	WYFR	USA	-	HJS
2045	9410	BBC WS	GT BRITAIN	11/11	NMK
2050	13615	WEWN	USA	15/11	???
2055 - 2100	12080	R Australia	AUSTRALIA	18/11	NMK
2100	11880	R Australia	AUSTRALIA	17/11	NMK
2100	15135	D/Welle	GERMANY	4/11	NMK
2100	15325	RCI	CANADA	15/11	NMK
2110	9595	VOA	USA	16/11	NMK
2115	9500	R Australia	AUSTRALIA	10/11	NMK
2115	9580	R Australia	AUSTRALIA	-	???
2115	12085	R Dam.	SYRIA	-	HJS
2120	9740	BBC WS	UK	13/11	NMK
2120	15565	WYFR	USA	15/11	NMK
2125	21740	R Australia	AUSTRALIA	-	HJS



2130	15565		WYFR	USA	-	HJS
2130	15685		WWCR	USA	-	HJS
2135 - 2145	15135,17560		D/Welle	GERMANY	-	HJS
2136	11735		VOA	USA	-	HJS
2138	9840		V o Vietnam	VIETNAM	-	AMQ
2140 - 2159	21610		R JAPAN	JAPAN	3/11	NMK
2200	17580		R Australia	AUSTRALIA	9/11	NMK
2200	17845	WYFR	USA	7/11		NMK
2210	17650	WHRI?	USA?	8/11		NMK
2212	17675	RNZI	NZ	8/11		NMK
2215	12160	WWCR	USA	4/11		NMK
2230	11955	BBC WS	UK	17/11		NMK
2230	13670	RVI	BELGUIM	-		IC
2230	17820	VOA	USA	31/10		NMK
2245	15185	VOA	USA	13/11		NMK
2245 - 2258	15610	KTWR	GUAM	12/11		NMK
2300	17675	RNZI	NZ	-		HJS
2300 - 2314	11950	WINB	USA	17/11		NMK
2310	17735	VOA	USA	8&15/11		NMK
2330	25930	RFPI	COSTA RICA	27/11		PWO
2359	17510	WHRI	USA	27/10		NMK
2359 - 2145	17560	D/Welle	GERMANY	8/11		NMK

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FOR SALE: ICOM 8500 just 5 months old, current model, AM, SSB, CW, VHF, VLF. Easy to use. \$2,650. Telephone Mike Osborne (09) 486-1706.

For sale - "Equinox" baluns, 9:1 ratio housed in waterproof box, standard PL259 UHF plug connection, easily converted for two wire of single wire aerials, designed for broad coverage i.e. 150kHz to 30MHz. Price \$40 shipped anywhere in NZ. Please order from Paul Ormandy, 33 Greta Street, Oamaru 8901, tel 03 434 5931, e-mail paul@radiodx.com

tv.fm@radiodx.com with Brian Withers in Taradale

Welcome to another month closer to the DX season. These are the combined November and December notes, as the November column was pulled due to lack of space.

Brian Palamountain of Nelson has logged the following from 28/9 to 1/10 on a Sanyo ICF 2001, 90.8 Raotu 90FM, 91.0 ZM FM Auckland, 92.4 Energy FM Rahotu, 92.7 Maniopota FM Pio Pio (1st time heard), 93.2 Energy FM New Plymouth, 93.8 R Pacific Palmerston North, 94.6 Life FM Hamilton (1st time heard), 94.6 FM country Hamilton, 95.0 BFM Auckland, 95.4 The Rock Manawatu (Strong signal), 95.4 R Nayland Stoke Nelson on air 17-26 Sept 99, 95.6 The Rock New Plymouth, 96.0 Concert FM Kaitaia (Best long distance signal & 1st time heard), 98.0 Easy FM New Plymouth, 100.0 Impact FM Nelson Polytechnic & from the south only Fifeshire FM on 94.0 Murchison. QSLed 88 Country FM & Channel Z 99.3 both Christchurch.

Your Editor heard Peak FM 88.3 Havelock North, Trip FM 88.4 & Hamilton Boys High

on 100.6, Chill FM on 100.4 & 88.0 in Taupo. Rhema testing 93.5 Hawkes Bay from 25/11/99.  
**STATION NEWS:-** Trip FM 88.4 Waikato Hospital with dance music. The Edge 93.0 P. North now on. 88.5 Soul FM Tauranga with new-age music. Blowhole FM 88.4 Mount Maunganui with rock music. (All reported by James Johnston of Havelock North). Emergency radio test from Hamilton Boys High on 100.6 until midday close down on 24/11/99 (via Editor).  
 Send news & Log's to PO Box 7072 Taradale 4030 or DX Times PO Box 3011 Auckland.

## DX/SWL HOBBY PROGRAMMES

Updated to 30 November 1999 All days and times are UTC. Prepared by Neville McKenty & Bryan Clark

### SATURDAY

- 0030 "Feedback", Radio Australia 21740, 17795
- 0135 "Communications World — Part A", VOA 15300, 17740
- 0300 "DXing with Cumbre", KWHR Hawaii 17510
- 0300 "Continent of Media", Radio for Peace International Costa Rica 15049
- 0330 "World of Radio", Radio for Peace International Costa Rica 15049
- 0500 "DXing with Cumbre", WHRI 7315
- 0530 "KWHR Mailbag", KWHR Hawaii 17780
- 0535 "Communications World — Part A, VOA 7295, 15205, 7170, 9700, 11825
- 0600 "DXing with Cumbre", KWHR Hawaii 17780 and WHRI 7315, 5745
- 0610 "Feedback", Radio Australia 15515, 15415, 15240
- 0700 "Communications World" — Parts A, B & C", VOA Greenville 6873 SSB
- 0710 "DX Partyline", HCJB Ecuador 9780
- 0800 "DXing with Cumbre", KWHR Hawaii 11565
- 0830 "DXing with Cumbre", WHRI 7315, 5745
- 0910 "DX Partyline" HCJB Ecuador 11755
- 0930 "Continent of Media", Radio for Peace International Costa Rica 6975
- 0935 "Communications World — Part B", VOA 15150, 13650
- 1135 "Communications World — Part A", VOA 9760, 9645, 11705, 11720, 15425, 6110
- 1145 "Radio Bulgaria Calling", Radio Bulgaria 15700, 17500
- 1230 "World of Radio", WWCR 15685
- 1335 "Communications World — Part B", VOA 15425, 11705, 21665
- 1735 "Communications World — Part A", VOA 15205, 9760
- 1730 "Continent of Media", Radio for Peace International Costa Rica 25930 USB
- 1800 "World of Radio", Radio for Peace International Costa Rica 25930 USB
- 1900 "DXing with Cumbre", WHRI 13760
- 1910 "DX Partyline" HCJB Ecuador 21455 USB, 17660
- 1935 "Communications World — Part C", VOA 15580, 15180
- 2030 "World of Radio", WWCR Tennessee 12160
- 2110 "DXers Unlimited", Radio Havana Cuba 13660 USB, 13750 USB
- 2135 "Communications World — Part B", VOA 15185, 17735
- 2230 "DXing with Cumbre", WHRI 17650
- 2335 "Communications World — Part C", VOA 17735, 17820

## SUNDAY

- 0000 "DXing with Cumbre", KWHR Hawaii 17510  
0110 "DX Partyline", HCJB Ecuador 21455 usb, 12015, 9745  
0245 "Radio Bulgaria Calling", Radio Bulgaria 9400  
0330 "Feedback", Radio Australia 15515, 15415  
0345 "DXers Unlimited", Radio Havana Cuba 9820  
0345 "Radio Bulgaria Calling", Radio Bulgaria 9400  
0410 "DX Partyline", HCJB Ecuador 9745, 12015, 21455 usb  
0520 "Radio Waves", Radio Exterior Espana 6055  
0530 "DXing with Cumbre", WHRI 5745  
0545 "DXers Unlimited, Radio Havana Cuba 9550, 9820  
0600 "DXing with Cumbre", KWHR Hawaii 17780  
0730 "World of Radio", WWCR Tennessee 5070  
0930 "Continent of Media", Radio for Peace International Costa Rica 6975  
1000 "World of Radio", Radio for Peace International Costa Rica 6975  
2135 "Maple Leaf Mailbag", RCI Montreal 17820, 15325, 13690, 13650, 11945  
2230 "Radio World", Radio Vlanderen International 13670

## MONDAY

- 0235 "Maple Leaf Mailbag", RCI Montreal 11865, 9755  
0400 "Radio World", Radio Vlanderen International Belgium 11980  
0700 "World of Radio", Radio for Peace International Costa Rica 6975  
0700 "Wonderful World of Wireless" & "Wavescan", ZLXA Levin 3935 and 1602  
1900 "Wonderful World of Wireless" & "Wavescan", ZLXA Levin 3935 and 1602

## TUESDAY

- 0830 "Wavescan", WRMI Miami 7385  
0900 "Pacific DX Report", KTWG Guam 15200  
1830 "MediaScan", Radio Sweden 6065 (1st & 3rd Tuesday of month)  
1900 "World of Radio", Radio for Peace International Costa Rica 25930

## WEDNESDAY

- 0230 "Continent of Media", Radio for Peace International Costa Rica 15049  
0300 "World of Radio", Radio for Peace International Costa Rica 15049  
0536 "DXers Unlimited, Radio Havana Cuba 9550, 9820  
0730 "Ham Radio Today", HCJB Ecuador 9780  
0930 "Ham Radio Today", HCJB Ecuador 11755  
1930 "Ham Radio Today", HCJB Ecuador 17660, 21455 USB

## THURSDAY

- 0130 "Ham Radio Today", HCJB Ecuador 21455 USB, 12015, 9745  
0430 "Ham Radio Today", HCJB Ecuador 21455 USB, 9745, 12015  
0800 "Pacific DX Report", KTWG Guam 15330  
0954 "Media Network", Radio Netherlands, 7260, 9790, 12065  
1330 "Communications World - Parts A, B & C", WWCR Tennessee 15685  
1954 "Media Network", Radio Netherlands 17605, 9895  
2130 "World of Radio", WWCR Tennessee 15685 (possibly now on 9475)

## FRIDAY

- 0454 "Media Network", Radio Netherlands, 9590, 6165  
0800 "Radio Waves", Access Radio Palmerston North 999AM (1st Fri of month)  
1030 "Pacific DX Report", KTWG Guam 9865  
1900 "Continent of Media", Radio for Peace International Costa Rica 25930  
1930 "World of Radio", Radio for Peace International Costa Rica 25930  
2100 "Ask WWCR", WWCR Tennessee 15685 (possibly now on 9475)  
2110 "Feedback", Radio Australia 21740, 11880, 17580  
If you find this listing useful, please let us or the Chief Editor know. Nev & Bryan.

[branch.news@radiodx.com](mailto:branch.news@radiodx.com)

## North Otago

The December meeting was held at Alistair Sutherlands home with most members in attendance. Correspondence etc dealt with, also Hocken library. Convention Febuary 2002, discussed bookings, more details on the DX Times web site as they become available.

All this was followed by our annual auction, which happened to be a lot of fun, then a Pot Luck Supper, I wonder how many gained extra weight?

All the best for Xmas & the Y2K New Year from the North Otago Branch.

## DXing the USA On Medium-Wave by Paul Ormandy

### Part One: The Best Months

A question I've been asked on several occasions and one I've answered purely on my assumptions over the past 25 years has been "What's the best time to hear Americans?"... well, generally speaking in the period preceding our sunset till their sunrise... with enhanced listening around those times, more on that later... let's deal with the best months first...

I've long been an advocate of DXing during the Equinoxes and have heard some really fabulous stuff during late March and late September, enough to make those times of the year my first consideration when planning a DXpedition... however, I have now researched back issues of the DX Times for the past 11 years and come up with the table below which illustrates that, depending on which part of the USA you want to hear, there are other months when activity from certain areas is greater than others. The table is compiled from all the loggings reported to the MW section of the DXT... and it took more than a couple of hours to compile! Study these figures then I'll make some conclusions... you will note that I have opted to split the USA up into the standard time zones, Pacific (PST), Mountain (MST), Central (CST) and Eastern (EST) in order to make the list less daunting whilst still retaining it's usefulness...

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Sub
PST	135	111	70	137	32	61	52	65	54	143	81	119	1060
MST	37	27	18	29	6	16	8	29	17	35	17	46	285
CST	83	89	47	90	28	60	25	55	37	84	42	63	703
EST	38	62	28	41	10	9	7	12	17	50	25	28	327
Total	293	289	163	297	76	146	92	161	125	312	165	256	2375

OK... so the best four months for reception from the USA in order are, October, January, February and April... those Equinox months of March and September have let me down!

The best months for reception of PST stations: October, April and January. MST stations: December, January, & October. CST stations: April, February, October & January. EST stations: February, October. You will note that even though the MST zone is closer to New Zealand than the CST zone, the sheer number of stations operating in this area, and it's higher population density and greater area accounts for this. Now, onto the best time, in hours and minutes...

### Part Two: Sunrise Lift - a DX Sweet-Spot

One of my major interests in DXing MW has been chasing signals from all over the USA. Over the years I have come to appreciate that there is a very real propagation phenomenon known as "Sunrise Lift"... an enhancement of signals from the preceding twilight through to Sunrise at a transmitter location. Many times I've experienced stations peaking very strongly, if albeit briefly, before fading very rapidly as Old Man Sol starts his work for the day... even low-powered stations you didn't even know existed would pop their heads up to be nabbed. The trouble is, most of these lifts occurred either very late at night or early into the morning... some after 3 a.m.... so to maximise sleep-hours and DX, just when should I be listening.

Back when I started DXing from Waianakarua, I hit those sudden peaks more by accident than planning though realised that the phenomena existed and had been stations hitting sunrise had been reported in the DX Times many since I joined the League back in the mid 70's. Then I heard about a sunrise-sunset protractor called "The DX Edge" which determined these times using a plastic holder with a map of the World and twelve clear slides, one for each month of the year, which had the sunrise/sunset terminator on them. The idea was to fit the relevant month into the slide, adjust it to the UTC time-scale and Hey Presto! You could see which part of the World was in dark or day and where sunrise/sunset was being experienced at any given time... an invaluable tool for the DXer. Whilst the DX Edge was very useful, it did have some limitations, chiefly as far as the US goes, there wasn't a whole lot of detail on the map and it wasn't always possible to exactly tell when Sunrise would occur... and the restriction of scale also made accuracy a problem and when you're dealing with a window of only around 30 minutes... those factors grew ominously important! So, enter the Internet...

There are several sources of sunrise/sunset information available though there was only one that appealed to me because of it's intuitive approach (I hate reading instructions!) and it's graphical representation. It's called "Geoclock" and can be downloaded at [www.clark.net/pub/bblake/geoclock](http://www.clark.net/pub/bblake/geoclock) - the program is shareware for 30 days and I am seriously considering buying it... Anyway, it made compiling the following charts very easy and has given me plenty of ideas for future articles. (Like the Greyline enhancement mode.. that's another story and another cold, wet weekend job!

Rather than compile a huge list with Sunrise times for every State, like the best month table above, I've chosen to use the four time-zones and taken representative samples from each zone then generalised the data to provide something less complex yet still very useful. The cities chosen for each zone are, PST: Western - Eureka CA, NW - Olympia WA, SE - El Centro CA, Eastern - Ely NV. MST: - Western - Boise ID, NW - Miles City MT, SE - Hobbs NM, Eastern - Scottsbluff NE. CST: Western - Amarillo TX, NW - Minot ND, SE - Panama City FL, Eastern - St Louis MO. EST: Western - Terre Haute IN, NW - Muskegon MI, SE - Miami FL, Eastern - Bangor ME. Some explanation of the data is necessary...

Calculations are based on Sunrise on the 15th day of the month.

- The times are rounded to the nearest 5 minutes.
- There are many approximations as Sunrise information wasn't available for the exact limits of each zone... these times are a guide only.
- The "From" time includes a twilight period prior to Sunrise as that appears to be when signals start to peak. Therefore, the earliest Sunrise in that time-zone is about 30 minutes after the "From" time. The twilight period varies from 23 to 40 minutes ranging from North to South across the year and has been approximated at 30 minutes.
- The "To" is the last Sunrise in that time-zone.
- The "First" and "Last" are the regions of the State which experience sunrise in that order... you will note some interesting patterns particularly in the EST times due to Bangor ME being considerably further East than a more central easterly city like Norfolk VA. Nevertheless, I thought it important to include some data from the very North East of the USA as this is an area seldom heard in NZ (with the exception of WBZ Boston MA 1030kHz).
- For the study, the Sunrise time at 4 locations within each time zone were used, North-West (NW), South East (SE), East (E) & West (W). The East of one time zone is close to the West of the neighbouring zone. And some time zones overlap as the States aren't all neat little squares... for example, West Texas protrudes some distance into the neighbouring MST States so consultation of an Atlas in conjunction with these times would be a good idea.
- Whilst the focus of this study has been on the USA, it would be possible to gain an idea of sunset times both North and South of the USA (i.e. Mexico and Canada) by using a piece of string across a globe or ruler laid across a flat map between the study cities... whilst the latter will be inaccurate, it may still give a reasonable indication... and I guess a study of Canadian sunrises won't be too far away either!

PST	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
From	14:15	13:55	13:20	12:35	11:55	11:45	11:55	12:30	12:50	13:20	13:45	14:00
To	15:50	15:15	14:30	13:40	13:00	12:45	13:00	13:55	13:55	14:30	15:15	15:50
First	SE	SE	E	E	E	E	E	E	E	SE	SE	SE
Last	NW	NW	W	W	W	W	W	W	W	NW	NW	NW
MST	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
From	13:25	13:05	12:30	11:45	11:05	10:50	11:05	11:35	12:05	12:25	12:55	13:20
To	15:25	14:45	13:55	13:05	12:20	12:05	12:15	12:50	13:25	14:00	14:45	15:20
First	SE	SE	E	E	E	E	E	E	E	SE	SE	SE
Last	NW	NW	W	W	W	W	W	W	W	NW	NW	NW
CST	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
From	12:10	11:55	11:20	10:45	10:20	10:05	10:20	10:40	11:10	11:15	11:40	12:00
To	14:30	13:55	12:55	12:15	11:45	11:30	11:45	12:05	12:05	13:05	13:55	14:30
First	SE	SE	SE	SE	SE/E	E	E	SE	SE	SE	SE	SE
Last	NW	NW	W/NW	W	W	W	W	W	W	NW	NW	NW
EST	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
From	11:40	11:05	10:15	09:20	08:35	08:20	08:35	09:10	09:45	10:20	11:05	11:30
To	13:15	12:45	12:00	11:10	10:35	10:30	10:40	11:05	11:25	12:00	12:40	13:10
First	SE/E	E	E	E	E	E	E	E	E	E	E	SE
Last	NW	NW	W	W	W/SE	SE	SE	SE	W	W/NW	NW	NW

Part 3 of this article will appear in the January 2000 issue of the NZ DX Times.

## NEW ZEALAND RADIO DX LEAGUE (Inc.)

The New Zealand Radio DX League (Inc.) is a non-profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing. NZRDXL is a founding member of the *South Pacific Association of Radio Clubs (SPARC)*.

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