



# New Zealand DX Times

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



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

John Campbell, England writes about the automated translation service mentioned last month: I guess the only target languages of DX interest are SS and PP. I've looked at how it performs for these, and it's quite good (sometimes) for short sentences - idiomatic for these too - but it's often very rough for anything more complicated. You're right that the outputs are likely to be joke-quality translations, but DXers need to be careful how they use them. Maybe PP text jokes will work (more often at medium-sized stations), because Brazilians are often laid-back fellows who appreciate a joke. But, for any SS speaking country, the translations are more likely to be seen as insults than jokes. Be careful! Good luck!

John adds: the magazine is particularly good value these days. The April issue is the best I've seen for a long time. Keep up the good work! (Thanks for the encouragement, and good to hear from one of our longtime UK members).

Barry Williams, Auckland reminds Christchurch members that he has most of the Canterbury Branch records (1960s-1980s). Local members may be interested in providing a good home to this material. (I hear there's an initiative coming soon for a social gathering locally with the idea of getting an active branch under discussion again.) Contact Barry through the magazine mailbox or at [president@radiodx.com](mailto:president@radiodx.com) if you can help.

CBC Radio North is upgrading its satellite radio distribution system. The new digital service allows programs to be uplifted from CFYK 1340AM for rebroadcast across northern Canada via an FM transmitter network. (9625 SW Sackville carries the service) (Via Satellite May 2000)

Another new satellite radio service is closer to home. Asiastar has 50+ digital radio channels broadcasting directly to portable receivers containing small, built in 4 inch dish antennas! Launched in late March from French Guiana, the satellite covers China, India, Indonesia, Philippines and Thailand. (Via Satellite May 2000)

Paul Aronsen, Invercargill keeps us at a high altitude, 6000 ft amsl. to be exact: Truckee is about this high up on the CA/NV border, and our place was another 500ft higher up in the snow line and bear country. I had my Sony 7600 portable with me and thought I'd hear some good DX on 60/90mbs using the inbuilt whip aerial. What a disappointment, next to nothing! Just some of the closer local stations.

The MW wasn't much better, with just really close locals. Maybe the Sony 7600 isn't that good, but I've found it to be almost as good as my Sony 6800 on SW, although it's useless on MW. A few years ago, at seaside Riverton Rocks, a friend and I had 500ft of light

**Contribution deadline for next issue is Wednesday June 7th - PO Box 3011, Auckland**

wire and a large kite. We flew this from the front porch, and it was like a huge vertical antenna, soaring over fields and streets. This I really have to try. I've heard of others doing it with amazing results! (Paul, ground conductivity is poor in the mountains around Truckee. Nothing gets out from there either. Let's hear about your kite antenna soon!)

Dave Onley, Melbourne comments: I've tried DXing with the Sony 7600 in Europe and India and found MW a dead loss. I ended up putting 100m of wire out the window and winding 8-10 turns around the radio to make it a nice passive antenna. Sorta worked, then I got overload. Europe is chockers on MW and 41/49mb.

Mark Nicholls, Wellington adds: I'm not sure if it was due to the altitude or distance from the sea or the surrounding mountains or a combination of all three, but there were never any good signals in Queenstown (USA on MW) until 2-3 hours after local sunset. Aussies were quite good later at night though. Queenstown is 1200ft amsl and I used a Sony ICF6800W. I'm definitely of the opinion that a coastal location (away from power noise) is the best bet. And, good luck in striking the right night helps! (Thanks gentlemen, for your varied experiments with DXing from altitude, with attitude!)

George Beardsmore, Mosgiel picks up the comment about striking the right night: My main MW DXing period was 1947-1963 and conditions varied from good to bad to indifferent, but just once in a while, bands opened up for outstanding DX.

Both local and Aussie stations all but disappeared in favor of US/Canadian signals - especially eastern seaboard stations. Channels were alive with stations. In fact, while in theory you could pick up 50 new loggings right across the band, one was lucky to achieve 5-6 as it was normal to send reports of up to 30 minutes to prove ID - hence time is the enemy in such conditions.

None-the-less it was exciting to hear the band open up like this - unfortunately only infrequently - from the Long Beach location (Southland). More recently, I was tuning the 31mb around 0800 UTC late last year and the whole band was dead silent - no static, no man-made interference. It took me a while to realize the band wasn't 'dead' - it was alive with stations both weak and strong, with no QSB - signals nearly all rock steady. I was so fascinated by the event I did nothing but tune the band (no loggings), just not believing conditions. I wonder if other DXers can remember outstanding conditions or events?

George comments: a great column and a great magazine. Regards to all! (Great to hear from you again George. I think everyone has similar stories to share, so keep the mail-bag overflowing folks!)

ZonaLatina has to be 'the motherlode' for DXers interested in Latin America. This media site has (daily updated) links to 750 newspapers, 1100 magazines, 750 radio stations, 700 TV channels from Hispanic USA to Argentina. Oh yes, this is a good one! There are numerous DX links (El Dorado de DXer's amongst others), RadioLatina (a full radio station directory) and to give you an idea, there are 106 separate AM/FM Argentine station links.

There are many research reports on local radio markets, links to radio/TV magazines (if you read SS it helps!) in many countries of Latin America and so much more. It would take days to explore all the links.

According to Los Medios y Mercados de Latinoamerica 1998, the Top 10 favorite radio formats across Latin America are: (1) News (2) Tropical music (3) SS ballads (4) SS pop (5) Sports (6) SS rock (7) EE pop (8) EE ballads (9) weather and (10) EE rock. There are also 100,000+ Hispanics living in Hawaii. They have 5 hours a week on Hawaii Public Radio (KIFO 1380AM etc) and you can enter ZonaLatina at <http://www.zonalatina.com> and have hours of fun!

And, they have a sister website for DXers interested in Europe! This site isn't anywhere near as complex, but does have the best selection of links I've found to European magazines, newspapers, radio and TV. Check it out: <http://www.zonaeuropa.com> for your favorites.

Paul Ormandy, Oamaru has been taking advantage of such modern DX resources available. He writes: logged Radio Buenos Aires 1630AM on Saturday at 0510z, sent the report by e-mail at 2351z and received the reply at 0031z! No v/s, just a short confirmation message in block letters at the top of my original report, from the management of 'Red 92'. (Paul, I believe 40 minutes between sending the report and getting the QSL must be a record anywhere, not just for an Argentinian MW station!)

Now, let's have a roundup of interesting bits and pieces from the Commonwealth Broadcasting Association, London (<http://www.oneworld.org/cba>) starting with South Africa: Channel Africa is to be corporatised later this year, in line with President Mbeki's concept of an African renaissance and to meet South African foreign policy objectives. (SAPA News);

In Sri Lanka, BBC live news in Sinhala/Tamil was dropped from SLBC on April 26. The closure was ordered by the chief censor, accusing the BBC of pro-Tamil Tiger news. Sri Lankans still hear the BBC via shortwave and internet streaming and in related news, a BBC reporter in Sri Lanka was attacked when he tried to record anti-BBC slogans (Mediachannel).

Private radio expands in Kenya (a new FM station in Nairobi is the 7th private station in the country) and Pakistan has a new policy to allow private radio/TV stations for the first time. These will be AM/FM only at this stage.

Chris Mackerell, Wellington suggests visiting <http://www.keconnect.co.uk/company/RNIRadio.html> for news about the Radio North Sea International charity broadcast this year. Chris says: *this site brings back memories of hearing RNI on shortwave from NZ... back in 1973 according to the QSL I've just found in the cellar..10kW on 6205 kHz.* (Remember them well! I recollect hearing Voice of Peace off the coast of Israel that same year on 1540AM)

Stuart Forsyth, England writes: have just received this month's copy of the DXT. *Very interesting all round. It certainly is as good, if not better than the British DX publication 'Communications'. Haven't done any DXing for ages, however have Isle of Man (1368AM) back after waiting two years! Country #43. I'm satisfied. The other was Hrvatski Radio, Croatia logged in 1998 for country #90. I may turn on the AOR today and see what's about and try the freetranslation website to see how my SS reports look! PS: a little amused at your comment about a verie from ZNS Bahamas. What about getting one from Cuba?* (Nice to hear from you Stu. What about Cuba? No such place exists. I deny ever having logged a Cuban. OK, so I got 10 years supply of Gramma newspapers, pictures of Che Guevera and posters. I think the QSLs were intercepted by the SIS!)

Pacific News next as we bring our focus closer to home again: the tallest tower in Papua New Guinea (70.8m) is being built in the center of lalibu township to open parts of the Southern Highlands province to 3 FM networks and EMTV. Upgrading of FM towers has also taken place in Milne Bay, Central and Gulf provinces (Pacific MediaWatch);

SIBC Honiara has installed a new SW transmitter 'dramatically improving signals' on 5020 kHz Radio Hapi Isles. SIBC GM Johnson Honimae says reception in western and Temotu provinces is much improved and 'reports have been received from northern NZ and islands of the Federated States of Micronesia. Funding from Taiwan is part of an upgrade of SIBC facilities (Pacific MediaWatch);

Another new station planned for East Timor: the Kdadalak Media Group (a journalists collective) plan a new station soon to back up their magazine (Lanelok) and newspaper

(Talitakum) based in Dili. (The Age, Melbourne). These items and more are from the University of the South Pacific site (<http://www.usp.ac.fj>)

Meanwhile, you can now listen to KSBS-FM 92 from Pago Pago, American Samoa. They began webcasting on April 17 (you need to download the winamp player though) at <http://www.ksbsfm.com> and have a format of 'oldies, goodies, Samoan, Polynesian, R&B, light rock and smooth jazz' and, from Fiji: <http://www.fijivillage.com> gives you audiostreaming from Viti FM, Navtarang and FM96 including local programs such as Viti FM Suva 102.8 or Ba 103.2) as well as program details and the Fijian and Hindi Top 10 songs of the week. These, and more from East-West Center, Honolulu site: <http://www.ewc.hawaii.edu/PIReport> which has a daily news update from most islands. Another key site for Pacific radio news is: <http://www.asiapacific.org.fj> from Suva.

Again, we're having to hold over some more items and correspondence. Thanks everyone for continuing to support this column, and the others in our fine journal. Next month we'll check out the Southland DX Digest, some views about QSLs from Paul Ormandy, and take a look at WaveStation software which is revolutionising radio in NZ (Access 783 is the latest station switching, and planning audiostreaming at the same time).

In the meantime, Paul Ormandy's SPDXR comes to you with David Miller every second Sunday at 8:30pm on the NUU Country program from Hills AM 1575 in Dunedin, here in the capital, David Ricquish introduces the show during Jazz Jottings every second Saturday at 4:15pm on 2YB Access Radio 783 Wellington, and now, David Norrie every second Friday at 1:05pm on Access Radio 1XU 810 in Auckland. Take the time to listen and invite your friends to hear the latest in shortwave radio news. Listener feedback is encouraged to PO Box 3011.

This month, we continue the Pacific theme with my station of the month: 4BH Brisbane. Part of the 'Australian Radio Network' this is 'Brisbane's continuous easy listening mix 4BH 882' and they've had this format for nearly 30 years. Their AM outlet on 882 is a tough one these days (impossible in Auckland, co-channel Breeze 891 Wellington) except in the South Island. Typical ez listening music, competitions, traffic reports and news. Sitting in a Wellington winter, the daily highs of 26 or more provide encouragement that the sun is out there somewhere. You'll find our Queensland neighbor at: <http://www.4bh.com.au>. Enjoy.

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

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Another bumper month this month. My thanks to all of you that continue to provide excellent articles for your magazine, making it a world-reknowned Radio Listening resource. Yuri's English in Time Order column does not make an appearance this month, as we are bringing you the ever-popular English A00 listing. We don't want your ShortWave guys taking over the magazine completely now, do we?

Many thanks to those of you offering Ana and myself congratulations on our wedding. And congratulations to David Miller and his new wife, who were married the same day as us.

Here's a couple of extra little notes just arrived from Ian Cattermole:

*I have just received a QSL letter from The Voice Of The Revolution Of Tigray in Ethiopia. They give their latest schedule as follows: Monday-Friday. 0400-0500, 0930-1030, 1500-1900. Saturday-Sunday. 0400-0900, 1100-1630. Two frequencies are in use. 5500khz and 7515khz and language is Tigrigna.*

*I also have a newsletter from Radio Taipei International and they are requesting 9*

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*monitors for their English service. Monitors would be required to submit three reception reports per month beginning July 1st.2000 for a one year period. Anybody interested write to: CBS English Dept., P.O. Box 24-38, Taipei, Taiwan.*

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

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Welcome to this month's Report. A reminder that your news and contributions are always welcome to [shortwave.report@radiodx.com](mailto:shortwave.report@radiodx.com). Or by post to 8/81 Kelleway Avenue, Nicholls, ACT 2913, Australia. All times in UTC, frequencies in kiloHertz. Sources: BCDX - World-wide DX Club 'Top News' edited by Wolfgang Buschel; Cumbre - Cumbre DX; DXLD - Glenn Hauser's DX Listening Digest; HCDX - Hard Core DX email list/web site, RUS-DX bulletin.

BONAIRE: Radio Netherland's power plant at Bonaire was completely destroyed by fire following an explosion in a generator. Many hours of transmission time were reassigned to Flevo, Antigua, Ascension, Cypress Creek (USA), Julich, and Komsomolsk-Amur. Staff worked around the clock to get the station back on air, installing two new generators for transmitter power supply, and one small generator for general supply to the facility. By 2 May, full operations were resumed. (RNW)

CLANDESTINE: National Radio of the Saharan Arab Democratic Republic has moved to 7460, ex 7470, to avoid a strong Moroccan outlet which appeared on the frequency. Schedule 0700-0800 and 1800-2300 in Arabic, 2300-0000 Spanish. Runs parallel on MW 1540. (Francis/various)

CZECH REPUBLIC: Radio Prague schedule in English to Australia 2000-2027 11600, 2130-2157 11600 (Radio Prague)

MONGOLIA: Radio Free Asia via Ulan Bator 1100-1400 & 1500-1600 Tibetan 7470; 1530-1630 Korean 5855; 2200-2300 Korean 7460; 2300-0000 Tibetan 7470; Vietnamese 2330-0030 11580; 0000-0100 Lao 15205; 0100-0300 Tibetan 17730; 0600-0700 Tibetan 17720. (Padula, via Cumbre)

RUSSIA/CIS: Various relays for Democratic Voice of Burma 1430-1500 5940 (Mladivostok), 1230-1345 5945 (Mladivostok), 1430-1500 11850 (Dushanbe), 1230-1345 15600 (Dushanbe); Voice of Tibet 2315-0000 9910 (Almaty), 0100-0145 15640 (Dushanbe), 1215-1300 15645 (Dushanbe), 0100-0145 15660 (Almaty), 1215-1300 15685 (Almaty)(BCDX) Voice of Russia in English to Australia/NZ: 0500-0600 21790, 17665, 17625; 0600-0700 21790, 17665, 17625, 15490; 0700-0900 21790, 17665, 17625, 17495, 15490 (VOR) Voice of Tatarstan via Samara 15105. Postcard of Kazan Kremlin with QSL info on back (mainly in Russian!), form letter in English with handwritten note advising they have plans to print their own QSL in summer or autumn. Also details on Diploma for regular reporters. V/s Ildus Ibatullin, QSL Manager. Station advises email addresses of [root@gtkrk.kazan.su](mailto:root@gtkrk.kazan.su) or [postmaster@stvcr.kazan.su](mailto:postmaster@stvcr.kazan.su), and mailing address of QSL Manager, PO Box 134, Kazan, Tatarstan, 420136, Russia. In 3 months for USD (Jary, via Cumbre)

SWAZILAND: Trans World Radio in English via Manzini - 0430-0500 3200; 0430-0735 4775; 0500-0730 6100; 0500-0730 9500; 1730-2015 3200 (TWR)

TURKEY: Voice of Turkey schedule for Australia - 2200-000 15325 Turkish; 0000-0300 21715 Turkish; 0300-0400 21715 English; 0400-1300 21715 Turkish; 130-1330 21540 English; 1300-1600 13655 Turkish; 1600-2200 9560 Turkish; 2030-2130 9525 English (TRT)

UZBEKISTAN: Relays via Tashkent -9430 0000-0030 TWR; 9860 1400-1530 BBC; 12065 1325-1425 RNW; 12065 1050-1220 VAT; 12075 1425-162 RNW; 13745 0030-0130 BBC; 15470

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1330-1400 IBRA;17685 0800-0830 BBC; 17690 1200-1230 RVI (RUS-DX)

VIETNAM: Survey of regional stations, mid-April - 7156 Ha Giang 0858-1425, relays Hanoi 1 0858-1300; Lao Cai 5598 and 6695 1200-1330; 6383 Lai Chau 0955-1155; 4796 Son La 1200-1400; 6501/6564 Cao Bang 1200-1400; 6451 Thai Nguyen 1155-1400; 6387 Yen Bai 1000-1030 and 1200-1300 (Lam, Cumbre)

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

Greetings all. The result of my request for comments on Pirate stations for the best of the month was nearly all one way traffic against Pirates, but I agree with one member who suggested that there be a separate Best of Month for Pirates. However we are now getting stations who are sounding like Pirates by the call or slogan they have chosen. So I am still wanting to hear comments. Please send them in.

On to the month's Mailbag with first up from Bryan Clark, Auckland with one in from Radio for Peace International Costa Rica 25930.

Next is Stuart Forsyth with a long overdue verification from Hrvatski 9830 Country # 90 Also Slovak Radio 9440 and 15460. Hope you are over your illness.

Ray Crawford, Brisbane has in World Beacon Radio 9675 [e m].

Paul Aronsen, Wallacetown World Beacon Radio 6145 [e m] ans well as Bulgaria 7545, Radio Jambi 4925 and Radio Japan 9660.

Jack Searle, Haumoana Has Voice of Greece 9425 and 15650. Thanks for the comments Jack.

John Durham, Tauranga With a good list in VOA Tinian 13650, Puerto Rico AFN 6548, Radio Vilnius via Julich 9855, VOA via Lampertheim 9785 AWR via Julich 9835, Radio Bahai Ecuador 4950, Radio Australia 11550, Radio Taipei via Skelton 3955, WWBS 11900, WTJC 9370, Radio Africa Equatorial Gunea 15185, South African Radio league via Meyertown 15250, Scream of the Butterfly via Miami 7460, Em. Z. del Dragon and Radio Blandengue both Chile and on 14565. Thanks for the help John.

Ian Cattermole, Blenheim With his usual big list. AWR Forli Italy 7230, RDP 11860, 21655, 15540, 15345, 15490, 21830, VOR Khabarovsk 17665 [e m] NHK Ascension 17650, Deutsche Welle Novosibirsk, 7375, Sri Lanka 11840, 15135, Kigali 15370, And Antigua 9700, WWBS 9865, Radio Prague 9865 ERT 9775, KSDA 11895, 9385, 7560, 9370, 11970, 17835, KOL 15480, VOA Iranawila, FEBC 11710, WBCQ 9340. Thanks for the tips Ian

And a huge list From Gunter Jacob, Germany, Radio New Zealand 17690, KHBI 15665, HCJB 9780, 11720, 11960, 12015, 15550, 21470, Deutsche Welle Antigua 15410, Bonaire 15105, Wertachtal 25740, Kigali 9700, kNLS 9615, RadioCanada Intrenational 6040, 6155, 9535, 9755, Radio Vlaanderen Bonaire 11980, 15565, WHRI 5745, VOA Greenville 9590, Kavala 9760, 9845, Ascension 11855, 17885, Botswana 7415, 9775, 17650, Sao Tome 6080, Philippines 11705, 11970, Udorn 9770, 9840, 12015, 15445, Colombo 7115, Iranavila 21840, Radio Austria 21650, Radio Vlaanderen 5910, Radio Denmark 13800, Radio Sweden 7325, 13800, Radio Minsk 7105, Radio Prague 6200, 11640, 15255, 17485, Radio Ukraine 9870, Voice of Russia Moscow 12030, Samara 17660, 7215, 5965, Krasnodar 5940, Kalingrad 1143? Sowetsk 12010, Kishyinov Moldova 7125, Khabarovsk 9905, 15525, Dushanbe 17495, SRI 13685, BBC Seychelles 11730, China Radio International 9670, Kol Israel 7510, Syria 12085, Tashkent 5025, 5060, 9540, Voice of Turkey 6135, 17815. Thank you Gunter.

Laurie Boyer, Invercargill Has them in from Croatia 6235, Prague 15255, World Bea-

con 9765, Greece 17565, 12105, Radio Australia 17705, 15515, Prague 15470, Austria 9870, VOR 23690, Sender Grense 3320, Pakistan 21460, 15485, 15465, 17895, 11895, Finland 11665, Denmark 9985,

**BEST OF MONTH under 9MHz** Ian Cattermole AWR Forli Italy 7230 1kW  
Over 9Mhz John Durham Radio Africa Equatorial Guinea 15185



**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**

- 3255 1900 ??? BBC fair with news in EE — PGA  
3279.6 0950 ECUADOR, L V del Napo with ID and tropical music, 1000 time check and ID in Spanish, fair to good — LM 24/4  
3320 1945 STH AFRICA, R Sonder Grense with political vcomment in Africans with ID 2000 followed by news and sports, fair — LM 23/4  
3325 0945 PNG, R Bougainville good from 0945 to 1100 with pops and ID at 1100 and still going at 1123 — DN 8/4  
3326 2000 NIGERIA, FRCN Lagos with ID as R Nigeria One, news with summary, fair spoilt by atmospherics — LM 23/4  
3335 1900 TAIWAN ?? CBS in Chinese with music, weak — PGA  
3366 2100 GHANA, GBC Accra time pips and ID followed by EE news — LM 24/4  
3976 1028 INDONESIA, RRI Pontianak with firm ID and pops — DN 8/4  
4716.8 1027 BOLIVIA, R Yura in Spanish with ID as Parantaca which turned out to be Potosi, faded out by 1100. Positive ID as R Yura Departamente de Potosi - DN 20/4  
4739 1100 PERU, R Huanta 2000 fair with ID and talk — RC  
4747 1000 PERU, R Huanta with jingle ID, time checks, SS greetings to listeners - LM 20/4  
4760 0630 LIBERIA, ELWA ID in EE with relig prgm, weak but peaked at 0630 — DN 11/4  
4770 1806 NIGERIA, R Kaduna with talk and music, weak — PGA 30/3  
4775 1015 PERU, R Tarma fair in Spanish with ID and huayno music — LM 23/4  
4777 1717 INDONESIA, RRI Jakarta // 9630 weak in Indonesian - PGA 26/4  
4780 1120 GUATEMALA, R Cultural Coatan fair with full ID including call signat 1132 — RC  
4796.7 1320 VIETNAM, R Son La with talk and trad songs, 1330 ID, good — LM 23/4  
4797 1050 ECUADOR, Voz de las Caras fair with ID and talk — RC  
4800 1105 GUATEMALA, R Buenas Nuevas good with vocals and ID at 1115 — RC  
4819.2 1000 HONDURAS, La V Evangelica fair in Spanish with ID, male preacher - LM 23/4  
4820 1118 CAYMAN IS, 4<sup>th</sup> harmonic of R Caymans on 1205, very good on 27/4, heard with ID 1120, gone by 1135, not heard since — RC  
4820 1824 INDIA?? AIR Calcutta?? Fair in EE/vernac with music and news — KVB 14/4  
4826 1030 PERU, R Sicuani fair with lots of talk, ID with echo at 1102 — RC  
4830 1115 THAILAND, R Thailand good with talk prgm — RC

4830 1548 THAILAND, R Thailand // 6070 in Thai, s/off 1602 - PGA 15/4  
 4835 0740 AUSTRALIA, VL8A Alice Springs in EE // 4910 weak — PGA 10/4  
 4845 0645 INDONESIA, RRI Ambon excellent with Koran chants - RC  
 4845 1831 MALAYSIA??, R Malaysia?? Fair in presumed Tamil, ethnic music - KVB 14/4  
 4850 2100 CAMEROON, CRTV with fanfare and time pips with EE ID then headlines, poor on LSB, later buried by R Tashkent — LM 20/4  
 4855.6 1000 PERU, R la Hora Cusco with frequent IDs with time checks, music and vocals with commercials 1014, fair with slight drifting and het — LM 22/4  
 4856 1110 PERU, R La Hora fair to good with lots of IDs in talk prgm — RC  
 4860 1903 INDIA?? AIR Delhi?? Fair in presumed Hindi with ethnic music, news - KVB 8/4  
 4860 1910 INDIA, AIR Delhi good with Indian music — PGA  
 4875 1030 BOLIVIA, La Cruz del Sur strong with Spanish prgm — RC  
 4890.2 1050 PERU, R Chota with musical prgm & messages in SS, ID 1100 - LM 21/4  
 4915 1800 KENYA, KBC with news in EE, fair — LM 21/4  
 4916 1140 COLOMBIA, R Armonias del Caqueta good with talk prgm and ID at 1115 — RC  
 4919 0543 ECUADOR, R Quito fair in Spanish with music & sung ID, rather noisy - CC 8/4  
 4926 1000 BOLIVIA, R San Miguel good at this time with ID and vocals — RC  
 4930 1853 MOZAMBIQUE, R Mocambique fair in Portuguese with ID and news at 1900 then pop music — KVB 8/4  
 4930 1910 TURKMENISTAN, R Ashgabat with often good signals here — PGA  
 4940 1145 CHINA, Huayi BC fair in Chinese vocals, jingles and ID at 1200 — RC  
 4940 1200 SRI LANKA, SLBC with ID and news in EE, good — LM 21/4  
 4950 2000 SAO TOME VOA with EE news, dominant over Angola these days — RC  
 4965 2000 ZAMBIA, Christian Voice good with news in EE — RC  
 5009 1750 MALAGASY REP, R Malagasy with pop songs in French and EE. At 1800 ID in French then Holy Koran. Very strong signal // 3287.6 good — LM 20/4  
 5009.5 1812 MADAGASCAR, R Madagascar fair, unid lang, reggae mx, ID 1856 - KVB 23/4  
 5020 1850 SOLOMON IS, SIBC good in pidgin with music & time (1Hr behind NZ) - CC 17/4  
 5025 2102 BENIN, ORTB with local announcements in vernac. ID in French at 2129 then signal obliterated by VL8A at s/on — LM 22/4  
 5026 1950 UGANDA, R Uganda fair with talk prgm in local dialect with many IDs — RC  
 5030 1155 BHUTAN, BBS Thimpu with folk song them vernac., 1211 end of news then co-channelled by CPBS China — LM 22/4  
 5030 2000 CHINA, CPBS-1 xcellent at s/on in Chinese — RC  
 5035 2000 CENT. AFRICAN REP, Bangui good with French vocals prgm — RC  
 5046.4 0959 INDONESIA, RRI Yogyakarta (Tent) with music but no clear ID at 1000 but better by 1100 but still no ID — DN 8/4  
 5905 1957 UKRAINE, R Ukraine Intl good in EE — PGA 12/4  
 5915 1900 ISRAEL, KOL Israel fair in Arabic prgm daily — PGA  
 5920 1635 SLOVAKIA, R Slovakia Intl good. EE news, ID //6055/7345 less clear - CC 7/4  
 5930 1628 CZECH REP, R Prague fair EE with IS, ID //21745 weaker, some noise - CC 7/4  
 5930 2020 CZECH REP, R Prague fair in EE with item on schools // 11600 better KAB 18/4  
 5950 0720 USA, R Taipei Intl fair in EE with Chinese music, ID 0724 — KAB 24/4  
 5965 2000 MALAYSIA, R Satu wiyth time pips and jingle in Bahasa Malaysian, followed by news, v good — LM 22/4  
 5970 1940 ITALY, RAI fair in EE to Europe — PGA 21/4

5985.8 1430 MYANMAR, R Myanmar Yangon fanfare followed by ID, good with firther ID at 1430 - LM 24/4  
 5995 0645 MALI, RTM Bamako with music and local announcements in French, fair with ID at 0702 — LM 22/4  
 5995 1950 UK, CRCI via Skelton fair in French, into EE 2000 — RC  
 5995 2015 CANADA, RCI good in EE with Canadian news — KAB 19/4  
 6005 0850 JAPAN, NHK Sapporo JKU21 good often here with ID 0900 then news - RC  
 6020 2015 MADAGASCAR, RN fair in EE with Dutch news with Jackie Carver — KAB 19/4  
 6030 2000 CHINA, CNR-1 good in Chinese — RC  
 6045 0720 MONACO, TWR poor in EE with relig prgm // 9870 good — KAB 24/4  
 6050 2100 NIGERIA, FRCN Ibadan with full EE ID at closing. Best on USB at 2000 - LM 25/4  
 6060 0630 BRAZIL, R Universo good in Portuguese with relig prgm // 9565 good - IC 10/4  
 6060 0800 ARGENTINA, R Nacional with time pips and ID in Spanish followed by sports commentary, fair // 15345 v strong — LM 20/4  
 6060 1900 ITALY, RAI with soccer commentary, at 1900 ID in Italian, fair — LM 22/4  
 6065 1730 SWEDEN, R Sweden fair in EE with ID and news, some QRM — CC 11/4  
 6065 1739 SWEDEN, R Sweden fair in EE — PGA 12/4  
 6065 2130 SWEDEN, R Sweden poor EE with 60 Deg. North //9435 fr, 15255 gd - KAB 19/4  
 6080 1705 AUSTRALIA, R Australia good with EE prgm // 5995 — PGA  
 6125 1730 CHINA, CNR in Chinese with s/off at 1730 — PGA  
 6130 0830 CANADA, CHNX-CHNS Halifax with ID and oldies, weak, only heard in USB mode — LM 24/4  
 6140 1710 ??? R Canada Intl noisy with EE prgm — PGA  
 6145 1705 MONACO, TWR s/off 1710 sometimes mentions PO Box 95111??? good - PGA  
 6145 1720 STH AFRICA, World Beacon weak with EE gospel prgm — PGA 11/4  
 6145 1743 STH AFRICA, World Beacon, Meyton poor with address and web site details after EE relig prgm - RC  
 6150 1310 SINGAPORE, R Singapore Intl fair in EE, ID then mx, rather distorted - CC 13/4  
 6160 0800 CANADA, CKZU with ID then CBC relay, good — LM 24/4  
 6160 0925 ANTIGUA?? DW v good in EE with sports news, slight het — GYM 24/4  
 6165 2150 CHAD, R Diff Nationale fair in French mixed with Zambia who s/off 2205 - RC  
 7086.6 1500 AFGANISTAN, V of Sharia with news in heavily accented EE with ID at 1512, fair spoilt by ham QRM at times — LM 24/4  
 7130 2-12 GERMANY??? DW fair in EE with news to Europe, some QRM — KAB 19/4  
 7150 0430 ITALY, RAI fair in EE with news and music, ID 0435 — KVB 2/4  
 7160 0450 ALBANIA, R Tirana poor in EE with political comment — KAB 23/4  
 7160 1527 CHINA, CRI fair in EE, station announcements, ID, scratchy //9785 - CC 27/4  
 7162.7 1412 NEPAL, R Nepal folk music, 1415 time pips and ID and news, good — LM 24/4  
 7185 1248 BANGLADESH, R Bangladesh fair in EE with news and ID at 1259, a little distorted — CC 13/4  
 7195 1915 THAILAND, R Thailand fair in EE with comment on women in broadcasting, ID 1927 // 9655, 11905 not as good — KAB 25/4  
 7230 0659 UK, R Japan relay good in EE, ID, station announcements then off - CC 16/4  
 7240 2045 AUSTRALIA, R Australia fair in Tok Pisin to PNG with world news — KAB 18/4  
 7245 1645 TAJIKISTAN, R Tajikistan with EE ID, fair spoilt by QRM and jamming - LM 21/4  
 7265 0640 GERMANY, Sudwestfunk v good in German, regular — IC 11/4



- 7285 2040 POLAND, Polish Radio fair in EE with political comment — KAB 18/4
- 7315 0650 USA, WHRI excellent in EE gospel — IC 11/4
- 7325 0630 UK, BBC WS v good in Arabic with good lds and e-mail address — IC 11/4
- 7410 1746 INDIA, AIR food in EE with ID and announcements // 11620, 11935 — CC 11/4
- 7410 1917 INDIA, AIR good with EE prgm — PGA 8/4
- 7415 0508 BOTSWANA, VOA relay fair in presumed Hausa — KVB 30/4
- 7415 1828 BOTSWANA, VOA relay fair in EE but faded by 1900, ID 1830 - KVB 28/4
- 7470 2025 ALGERIA, Western Sahara Natl Radio fair/good in Arabic. Also good here at 0730 in Arabic. Station has a good web site at [http:// web.jef.es/rasd](http://web.jef.es/rasd) which gives e-mail address and postal address in Spain - IC 16/4
- 7510 0959 USA, KTBN fair in EE with ID and station announcements — CC 15/4
- 7520 0645 USA, WYFR good in French, into Italian 0700 — IC 11/4

Thanks to all the contributors for this month. Don't forget the frequency changes at the end of March, some of the above information could be out of date by the time you get the magazine. 73's, Ken Baird

### CONTRIBUTORS FOR THIS MONTH

CC - Cliff Couch, Paraparamu, ATS 803A, 60m horizontal loop, 26m wire with Balun: DN — Dave Norrie, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical : GYM — George Muzyka , ICF SW55, WINRADIO, 40m window frame/balcony loop : IC — Ian Cattermole, Blenheim, JRC NRD 535, T2Fd and Alpha Delta antennas: KAB - Ken Baird, Christchurch, R5000, ATS 909: 15m wire, Eavesdropper: KVB — Kevin Brayshaw, Levin, FRG7, ICF 2001, HF Loops & 5MHz dipole : LM — Leigh Morris, Long Point, Sth Australia, R8A, longwire : PGA — Paul Aronsen, Wallacetown, Sony 6800 & 7600G, 400 ft long wire: RC — Ray Crawford, Queensland, SPR4, 300 ft longwire, 2 1.5 wave length dipoles.

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 [ka.baird@paradise.net.nz](mailto:ka.baird@paradise.net.nz)

## bandwatch.over9@radiodx.com with Andy McQueen

Hello from Trentham where we had our first frost this morning and I have a new job so I don't have to work for Pak n' Slave any more. A special welcome to new contributor Johannes Rol from Papatoetoe. What sort of equipment do you have Johannes? All times are UTC

### KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

- 9345 2020 ISRAEL Kol Israel Fr / Gd in Hebrew with "Reshet Bet" pgm 16/4 HJS
- 9420 2040 GREECE Voice of Greece or ER5 Lovely Music at V/good level 16/4 HJS
- 9485 2041 FRANCE RFI Excellent in FF with id at 2056 New Freq? 16/4 # HJS
- 9515 0229 IRAN VOIRIB Fair in SS at 0230 Id Koran reading and off air 23/4 KVB
- 9530 0437 USA? VOA Good in EE with ID then world news 24/4 GYM
- 9535 2136 GREECE? VOA Fair in EE // 9705 24/4 GYM
- 9540 2050 UZBEKISTAN R Tashkent Fair s/off in EE Thanks to tip from Ron Killick 21/4 SHV
- 9575 0543 MOROCCO R Medi Un Good in FF, Nx, mx With AA from 0559 after Id 28/4 KVB
- 9580 0431 BOSNIA R Yugoslavia Strong in EE with News and Id at 0433 11/4 CC
- 9590 0528 CANADA? RCI Fair ID, at 0529 station address, URL& Int Sig 23/4 GYM
- 9615 1322 ALASKA KNLS Fair in EE with Music and Id by OM A little distorted 13/4 CC

- 9630 0817 BRAZIL R Aparecida Moderate in PP with Mx Id 0827 /30 8/4 KVB
- 9640 0337 UKRAINE? R Ukraine Int Fair in EE // 13590 with ID at 0346 and EE broadcast ending at 0359 23/4 GYM
- 9670 2105 SRI LANKA? D/Welle Excellent in EE with "Newstalk" pgm 24/4GYM
- 9675 1800 GT BRITAIN World Beacon via Rampisham stn Good in EE with id and mailing addresses then religious pgms My email report verified next day but no sign of earlier broadcast via St Africa on 6145 kHz at 1700 28/4 #AMQ
- 1945 V/good signal in EE with World Vision Ministry pgm Id email and mailing addresses at 2000 UTC 20/4 LMM
- 2030 Good in EE for this new service Mail address 2251 St Johns Bluff Rd Jacksonville Florida 32246 USA Website [www.worldbeacon.net](http://www.worldbeacon.net) gives additional address in Sth Africa and email address for reports 7/4 IC
- 9680 2040 THAILAND R Thailand Fair with News about Thailand Id and S/off 2045 17/4 CC
- 9704.9 0359 MEXICA R Mexico Int Announcements in both EE & SS stating that RMI goes off the air at this time 9/4 IC
- 9705 2134 THAILAND VOA V/Good in EE with news // 9705, 9535 24/4 GYM
- 9730 2333 GERMANY D/Welle Fair in GG with comments A little noisy 24/4 CC
- 9765 2108 GERMANY? D/Welle Fair-Good in EE with news // 9670 24/4 GYM
- 9795 0400 CANADA Voice of Vietnam Good in VV, new service via Sackville to USA 9/4 IC
- 9835 0500 CYPRUS BBC With News in AA 4/4 TTS
- 9840 2100 SPAIN REE V/good in EE on this new frequency 4/4 IC
- 9845 2328 NETHERLANDS ANTILLIES R Nederland Fair in EE with announcements Interval signal Id and News Noisy background 24/4 CC
- 9870 1607 CHINA CRI Fair in EE with Helen Clark's comments on republicanism Id 1609 Some distortion (Not of the comments I hope — Ed) 7/4 CC
- 11565 0959 HAWAII? WHRI/KWHR Excellent in EE with ID and stn address, but overmodulating 24/4 GYM
- 9885 1254 THAILAND R Thailand Strong in EE with Senior citizens stats in Thailand 13/4 CC
- 9925 1742 BELGIUM RVI Strong in EE with News about Belgium 11/4 CC
- 11570 1601 PAKISTAN R Pakistan fair with Pakistan News // 17740 weaker 7 & 27/4 CC
- 11635 0110 NORWAY R Norway Excellent in Norwegian featuring easy listening Mx including Judy Garland in EE with 'The Easter Parade' // 13800 weaker 21/4 SHV
- 11655 0350 TURKEY VOT Good signing off in EE 28/4 HJS
- 11655 1758 HOLLAND R Nederland Good in EE with frequency schedule huge signal but weak audio // 7120 only fair AMQ
- 11700 0200 BULGARIA R Bulgaria Fair with news in EE to Nth America 14/4 HJS
- 11710 0205 ARGENTINA Poor / Fair EE 14/4 HJS (Note only UTC Mon-Fri. Weekends are in SS. Pgms. Do they still have EE at 1800 in 19m band as I haven't hrd this for years? - Ed)
- 11715 1030 CANADA RKI relay Excellent in EE with traditional Korean Mx 22/4 #SHV
- 1033 Strong in EE with News Id at 1036 4/4 CC
- 11730 0955 CHINA? CRI Excellent in EE with ID, but overmodulating 24/4GYM
- 11740 0555 VATICAN Vatican Radio Strong Latin Mass Id and I/sig 0559 26/4 CC
- 11740 1000 SINGAPORE RTE relay Good in EE with Id as "Radio One" with news and Mx from RTE studios in Cork 22/4 #SHV
- 11740 2130 IRAN VOIRIB V/good in EE //13745 is equal 8/4 #HJS
- 11765 0510 SOUTH AFRICA BBCWS Meyerton Good in EE with comment on assassination

attempts in Serbia // 6195 Good 26/4 KVB

11835 0424 AUSTRIA? RCI V Good in EE with "Maple Leaf Mailbag" pgm 24/4 GYM

11865 2129 GERMANY? D/Welle Excellent in EE with ID and "Women on the Move" pgm // 9670 & 9765 24/4 GYM

11930 0830 PHILIPPINES? VOA Good EE with "VOA News Now" ID, distorted mod 24/4 GYM

11940 0400 ROMANIA R Bucharest Nx in EE then reports Fr — Gd signal 5/4 #HJS  
0420 Fair - Poor in EE with Id 24/4 GYM

11940 1010 SOUTH AFRICA BBCWS Meyerton relay Poor EE under UNID station in CC AMQ

11965 1735 GUAM KSDA Good in EE 'Wavescan' pgm on Sundays UTC AMQ  
11990 1858 KUWAIT R Kuwait Strong in EE with Music and Id 17/4 CC

12065 1022 RUSSIA? R Netherlands Excellent in EE with Id then a science pgm 24/4 GYM  
12075 1558 UZBEKISTAN R Nederland relay Fair in EE with tail end of 'Research File' pgm then Id // 9870 weaker 27/4 CC

12085 1035 MONGOLIA V of Mongolia Good in EE with items on religion and alcoholism in Mongolia Id at S/off 1058 27/4 AMQ

13590 0310 UKRAINE? R Ukraine Int Excellent in EE, news & commentary, "Ukrainian Diary" pgm ending at 0318, ID, "Hello from Kiev" mailbag pgm starting at 0323 23/4 GYM  
0315 Very good with News in EE 26/4 HJS

13650 0122 THAILAND? VOA Fair in EE with ID "This is VOA News Now" at 0128, then "Internet News" pgm on FireTalk software 24/4 GYM

13650 2000 CANADA RCI Good in EE, report on water exports from the Great Lakes 7/4 JR

13660 2300 PORTUGAL RDP Fair in PP to Brazil 29/3 #HJS

13675 0340 UAE R Dubai Excellent in EE on Islam & Christianity 13/4 HJS

13700 1930 HOLLAND R Nederland In EE to West Africa / 21590 & 17605 JR

13710 1024 RUSSIA? R Netherlands Excellent in EE with science pgm 24/4 GYM  
13710 0740 GERMANY RVI Juelich relay Good in EE with item on cross border employment and sports results 3/4 AMQ

13710 2025 SWITZERLAND? SRI V/good in EE closing off broadcast to Africa 20/4 HJS

13720 0114 PORTUGAL? D/Welle V Good in EE with ID and "Arts on the Air" pgm starting at 0115, found off air at 0148 24/4 GYM

13730 0130 AUSTRIA ORF/ R Austria Int in EE to Latin America //9730 JR

13740 2035 VIETNAM V of Vietnam V/good with News in EE 20/4 HJS

13750 2036 CUBA Poor/Fair in EE and best in USB mode 20/4 HJS

13770 2200 USA WSHB Great signal in SS with religious pgm 4/4 HJS

13780 0331 RWANDA or PORTUGAL? D/Welle Exnt EE, ID, item on modem techno 23/4 GYM

13855 0327 SLOVAKIA AWR relay Good in Urdu with full EE id on 2hour 13/4 HJS

15049.2 0330 COSTA RICA RFPI At good level in EE / RR conversation pgm Really weird pgm 7/4 HJS

15105 0410 ROMANIA R Romania Int V/gd in EE // 15355 the same 21/4 # HJS

15115 0145 ECUADOR? HCJB Fair-Good in EE with stn address then listeners letters pgm, ID at 0159 with time pips at 0200 24/4 GYM

15120 2203 USA WYFR Family Radio Good in EE with gospel pgm AMQ  
2215 Fair with Pgm for Africa in EE 10/4 IC

15115 0411 ECUADOR HCJB Fair/Good in EE with "DX Part Line" pgm starting at 0412, "Paul Ormandy's DX Report" starting at 0448 23/4 GYM

15135 2100 RWANDA D/Welle relay Fair in EE with News and 'Newslink' pgm 21/4 #SHV

15160 0330 SPAIN REE Terrific signal in SS to the Americas 23/4 HJS

15160 0700 ECUADOR HCJB V/good in EE on this new frequency change 4/4 IC

15195 0400 USA WSHB V/Good in FF to Africa. 7/4 HJS

15205 0528 USA VOA Strong in EE 2/4 #HJS

15210 1717 FRANCE RFI Strong EE, report on Zimbabwe situation //17605 the same 11/4 CC

15215 0428 GERMANY? RCI Excellent EE, ID, stn address //11940, Int Sig at 0429 24/4 GYM

15240 0041 AUSTRALIA R Australia. V/Good in EE with ID and "Carving Out" pgm // 21740 & 11750 23/4 GYM

15240 1016 N MARIANAS? VOA Excellent in EE with Id // 15425 24/4 GYM

15250 0230 SRI LANKA? VOA Fair in EE with ID then "Talk To America" pgm on computer hacking, heterodyne QRM 23/4 GYM [don't they mean "cracking"? - C.Ed]

15250 0234 SRI LANKA? VOA Fair in EE with Id as "VOA South Asia Relay" then world news 24/4 GYM

15260 0415 IRAN VOIRIB Excellent signal in unknown language 7/4 # HJS

15270 0840 ARMENIA Voice of Armenia Good signal in EE opening with Anthem then Id as "This is Yerevan Your listening to the Voice of Armenia" Programme consists of Newsfile and Mailbox Transmission schedule given Sundays only at this time Note frequency blocked by Taiwan at 0859 23/4 LMM

15295 2300 PORTUGAL RDP Opens in PP for Brazil at vgd strength //13660 as gd 7/4 IC  
2300 V/Good in PP to Brazil 29/3 # HJS

15355 0313 OMAN R Sultanate of Oman Moderate in EE with Mx and Nx with Time signal at 0314 "Seven fourteen" and Id 0320 16/4 KVB

15355 0416 ROMANIA R Romania Fair EE, rept on Romanian orphanages ID 0422 27/4 CC (That would have been very interesting given recent TV stories shown in NZ — Ed)

15355 0507 GABON NHK/R Japan Moderate in SS with Italian from 0530 Nx Mx and JJ lessons Id 0516 / 32 28/4 KVB  
0540 Good in unknown language with Id "NHK World Network" Not listed 5/4.HJS

15380 0238 ROMANIA? R Bucharest Good in EE with strong QRM from stn on same freq but no heterodyne 23/4 GYM

15400 1800 ASCENSION ISLAND BBCWS Good in EE but with QRM from Arabic station on 15395 kHz 3 / 4 AMQ

15410 2030 ?? VOA V/Good in EE with 'Nightline Africa' 9/4 HJS (Morocco? - Ed)

15415 0300 AUSTRALIA? RA Good EE, ID then into world news //15240 & 15515 24/4 GYM

15425 0030 SRI LANKA R Sri Lanka Fair EE, opening All Asia service, freq schedule 22/4 SHV  
0223 Moderate in EE with 50-80's pops Id 0258 16/4 KVB

15425 1013 PHILIPPINES? VOA Excellent in EE with "VOA News Now" ID 24/4 GYM

15445 1720 BOTSWANNA VOA Rel. fr but fluttery EE signal, Music time in Africa AMQ

15470 0347 CZECH REPUBLIC? R Prague Fair-Poor in EE with Id 24/4 GYM

15470 0919 USA? VOA Excellent in EE with weak heterodyne 24/4 GYM

15470 2035 CANADA RCI Good in EE 7/4 HJS (A very popular channel ? — Ed)

15475 1645 GABON Africa No 1 Fair in FF with Afro pops and rap music S/off 1658 Fluctuating signal 14/4 AMQ

15476 2017 ANTARTICA R Nacional Arcangel pgm of Tango & balada Mx in SS 2026 YL announced forthcoming futbol (Soccer) commentary on Domingo (Sunday) in Buenos Aires 2043 Closing announcements with Id by OM "Radio Nacional Arcangel Esperanza" Fair signal suffering from Polar flutter and slightly distorted signal and

splash from RCI on 15470 at times 20/4 LMM

- 15560 0414 MADAGASCAR R Nederland relay Good Dutch with pops S/off 0427 26/4 KVB  
15600 2040 USA? R Taipei Int Good in EE / FF pgm via WYFR? 16/6 HJS  
15630 0045 GREECE V of Greece V/good in Greek 29/4 HJS  
15640 0300 ISRAEL Kol Israel YL, News Israel in withdrawal from South Lebanon 19/4 TTS  
15695 0200 RUSSIA? R Free Asia Fair ID, language announcement Tibetan pgm 9/4 KVB  
15695 2130 USA WYFR Excellent in Italian with religion at 2200 into SS 10/4 # HJS  
15735 1930 RUSSIA VORWS Good in EE with World News then "This is Russia" pgm featuring the anniversary of The End of The Great Patriotic War(WWII) 1/5 AMQ  
17510 0054 USA? WHRI Fair-Good in EE with ID and adverts on radio accessories, then into Japanese at 0058 23/4 GYM  
17580 0047 AUSTRALIA? R Australia Fair-Good in EE // 21740, 11750 & 15240 23/4 GYM  
17590 0530 IRAN VOIRIB Strong in SS with Id after Koran but some QRM HJS  
17650 0308 RUSSIA? VOR Fair-Poor in EE with world news 24/4 GYM  
17675 0304 NEW ZEALAND RNZI Good in EE with Id as "National Radio" then "And Now for Something Completely Different!" pgm special 24/4 GYM  
17710 2200 AUSTRALIA R Australia V Good in EE with ID and news 23/4 GYM  
17725 0335 USA? VOA Good EE w/ "VOA News Now", ID, "Dateline" news pgm 24/4 GYM  
17750 0040 AUSTRALIA? R Australia Fair-Good in EE // 17795 21740 23/4 GYM  
17700 2300 PORTUGAL RDP Excellent in PP to Venezuela 29/4 # HJS (Is this your favourite station Jack ? - Ed)  
17790 0045 SINGAPORE BBCWS Good in EE with Sports News 1/5 AMQ  
17790 0301 THAILAND BBCWS Fair in EE with ID then back to world news items 23/4 GYM  
17825 0330 JAPAN NHK/R Japan Fair only in EE to C America 6/4 HJS  
17835 0530 PAKISTAN R Pakistan V/good in Urdu // 21460 with slight QRM 31/3 HJS  
21470 2015 ECUADOR HCJB Excellent in JJ with full Id HJS  
21505 0835 SAUDI ARABIA BSKSA Strong with Radio play in AA Id at 0906 UTC 31/ 3 HJS  
21540 0454 TURKEY VOT At good strength most days Also heard at 0608UTC 29/3 & 4 PGA  
21540 2004 PORTUGAL RDP Good in PP with Soccer commentary to Venezuela // 21800 equal 31/3 # HJS  
21550 2339 CHILE Voz Christiana Strong in SS with references to Voz Christiana 24/4 CC  
21610 0315 JAPAN? R Japan/NHK Fair in EE with news pgm 24/4 GYM  
21650 0920 AUSTRIA ORF / R Austria Int w/ trans to Asia & Australasia //21765 3 / 4 JR  
21670 2115 JAPAN NHK/R Japan With Asian top news stories S/off 2159 1 / 4 PGA  
21715 0327 TURKEY VOT Fair in EE with ID and stn address 24/4 GYM  
21790 2345 GERMANY D/Welle Strong in EE with id then market place pgm then suddenly off 24/4 CC (I have noticed that too I wonder if they have lost their sign off tapes?- Ed)  
25870 0730 USA WFLA Id as "News Radio'97" pgm Coast to Coast with Evelyn Bagawani , ads for Zyme Communications and Dr Dabliski for prostrate problems Not sure how many watts this transmitter link has but sure puts in a good signal here 24/4 LMM  
25950 0148 USA KGON Portland Oregon Good 0305 Fair to 0400 then poor past 0500 with continuous reggae music. Best in Narrow FM Mode. Finally heard an Id just after the hour After rechecking. Also heard in this band and time period WFLA 25870 and RFPI 25930 30/4 KVB

Thanks very much to all this month's contributors. A # mark indicates a report has been sent to the station. Special thanks to Harold Looker of Nelson for hosting me for morn-

ing tea in Nelson and your comments about this column. Also a big Hello to the boys from Shag Valley It was a great weekend and I heard many stations I have never heard before.

Kelvin Brayshaw reports that his 5 MHz dipole has its legs only 90 degrees apart as the mast is in a corner. As it is operating on its 5th harmonic up in the 25MHz band and has a heading of ENE it could be having a slight VEE effect and be favouring signals from that direction He understands that Rhombi's and VEE beams have to be at least a couple of wavelengths overall to be really effective as directional antennas.

Thanks also Kelvin for phoning me after you finally heard the Id . Like you I also can't stand mystery stations. You are welcome to contact me either via P O Box 3011 Auckland or direct to me at 36A Brentwood Street Trentham Upper Hutt or you can use the Email address as listed. 73's, Andy McQueen

### Shortwave Exchange

AMQ Andy McQueen Trentham Sony 6800 & 40m long wire / CC Cliff couch Paraparaumu Sangean ATS 803A with 60 m horizontal loop / GYM George (Yuri ) Muzyka Ponsonby Auckland Dxing from Putaruru over Easter with Sony ICF SW55 with 40m figure 8 looped longwire / HJS Jack Searle Haumoana Hawkes Bay Icom R71 100 m longwire & 19m & 60m dipoles / IC Ian Catermole Blenheim JRC NRF535 T2FD Alpha Delta / JR Johannes Rol Papatoetoe Auckland / KVB Kelvin Brayshaw Levin FrG7 Sony ICF 2001 5 MHz dipole & 40m horizontal loop LMM Leigh Morris Morphet Vale Sth Australia Drake R8A / PGA Paul Aronsen Wallacetown Sony 6800 & 7600 400ft long wire. / SHV Andy McQueen DXing from Shag Valley Central Otago over Easter with Panasonic DR31 with 80 m long wire / TTS Tristram Speedy Manurewa Auckland Yaesu FRG7700 with 55m N/S random wire.

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

Bryan Clark gives the following which should be of interest to those with radio scanners. The piece comes from IATA's Passenger Services Conference in Bangkok last October at which a single frequency was adopted for use in RF baggage tags at airports. 13.560 MHz is now the recommended frequency for use at airports to track passenger baggage via the use of special baggage tags containing an electronic identification. As baggage is carried along the automated belts between airport check in counters and the aircraft loading bays, the tags will emit information on their destination and flight number, so that automated sorting systems will "read" them and akin to the farmer sorting his flock through a sheep-race, deliver each item to the appropriate baggage trolley for loading. Whether it will be possible for DXers and SWLs to log and QSL suitcases is unclear, but don't forget that there are potentially many radio countries to be heard elsewhere on the shortwaves! (Didn't help to find our passports which were eventually found in the loading bay from Continental's check in desk at Gatwick airport a few years ago. An apology eventually received from Continental after we had returned home - the blame was passed to a contracted Irish company - Editor.)

- 4426 1003 VIM Melbourne with WX High seas tonight Working MV Citation EM  
5680 0831 Kiwi Rescue Yacht under tow to Norfolk Island ETA Whenuapai 0950 BJ  
5680 0844 Kiwi Rescue working Wton Details of vessel Longfellow 35.57 S BJ  
7786 1004 Discussion on fish prices and fishing grounds On 21 day cruise BJ  
7995 1758 South Pole Station gives obs to Mac Weather JC



- 8761 1803 OSU 41 Ostend Marine Radio with frequencies and ID JC  
8855 0830 Manaus/United 987 Thunderstorms Over Santarem EM  
8855 0859 Lima/American 976 EM  
8861 0525 Sal Radio/Springbok Next posn Santa Maria Dakar very active and off frequency Recife also active JC  
8861 0525 Canaries/Air France 3453 Our position FIR boundary between Canaries and Santa Maria at 26.10 N 25 W JC  
8867 0047 VH-KJJ/Auckland Please give your full registered call sign I also don't understand your position Do you mean Guxos ? NM  
8867 2331 Auckland/ZK-JKY Position at FL 065 Next Sarap NM  
8867 2331 ZK-JKY/Auckland Request your SAR Time 0230 NM  
8867 2337 VH-KZJ/Brisbane From Australian Customs You are required to clear Customs. Your choice Lord Howe or Sydney We'll use Lord Howe NM  
8867 0143 NZ 162/Auckland Spa for Wellington Wind 340° 30-45 kmh varying 290° to 030° Wind shear and turbulence Christchurch Spa cancelled NM  
8867 1000 Qantas 26/Tahiti I have lost your data link log on NTPP (Maupiti Ed)/Qantas 26 I have loaded on to data link and have been accepted. Have received your tx NM  
8867 2015 Nadi/Air Van 50 ATD Port Vila 2003 ETA Auckland 2250 JC  
8867 0505 Nadi gives flight clearance to Fortuna (Wallace and Fortuna) JC  
8879 0940 MBN 682/Gander MBN are you on frequency I gave Selcal EFDK which was not acknowledged I'll try again in 10 minutes Selcal acknowledged Climb to and maintain 290 and report reaching EM  
8879 0949 Stations calling Gander please standby EM  
8879 0950 Gander/Flight 952 Posn 63° N 43° W FL 370 64° N 40° W next On crossing ice boundary call Reykjavik on 119.7 EM  
8879 2037 Unid 227/Gander At 35° call 127.9 (Santa Maria) What position after 30W NM  
8903 0939 Tokyo/Japanair 742 Primary this freq Sec 6532 Contact Tokyo 125.9 EM  
8903 0809 Tokyo/Malaysian 994 Secondary 6532 EM  
8903 0810 Tokyo/NZ 99 S/C DPMS EM  
8903 0503 WT(?) 970 advises N'Djamena If we go North to Seb it is going to be 377 miles longer We do not have the fuel It is the honest truth Estimate Kano 0937 We have advised Niamey on fuel situation with Tripoli JC  
8903 0514 QNK 7149 gives position to N'Djamena (Kabo Air Travels Nigeria) JC  
8924 1940 Libyan 620 reports en route Tripoli to Benghazi JC  
8924 1903 Translift Airways Dublin/TLA 815 Estimate Manchester 2010 JC  
8924 2012 Translift Airways Dublin/TLA flight from Malaga 1917 ETA Cologne 2135 JC  
8930 2008 Stockholm/Corsair 553 overhead Corsica Island (Corseair Intl France) JC  
8942 1005 Hong Kong/Transvaal 302 Posn Contact Ho Chi Minh 112.96 JC  
8951 0800 Tokyo S/C tones heard for KPAS EM  
10000 0944 WWV Solar flux 206 A Index 7 EM  
10024 0910 Lima/American 909 EM  
10024 0958 Punta Arenas/Qantas 116 FL 310 Posn 675 Request 350 At your discretion leave 310 for 350 EM  
10024 1146 Cordoba/United 979 at Obara Next Gupla Temp minus 52 FL 370 Wind 40/20 Fuel 44.3 Antigua 1226 NM  
10024 1229 Pascua (Easter Island) /Qantas 115 42° S 107 W NM
- 11238 0717 Air Force Townsville called BJ  
11253 0500 RAF Volmet WX for Manchester etc NM  
11300 2005 Sudan 333/Khartoum Go ahead to L 370 To Jeddah EM  
11300 2036 Tripoli/MCC 9057 FL 310 Poor signal EM  
11300 2140 Khartoum/Brittania 336 EM  
11300 2141 Amiri 5/Khartoum Called several times No reply Qatar Amiri Flight EM  
11300 0417 Cairo calling Royal Maroc flight BJ  
11300 2008 Sanaa/Nairobi Mauritius Air 42 to Mohadishu S/C MSPR NM  
11300 2008 Hargeisa/Mauritius 34 S/C JPRA  
11306 0934 Manaus/American 934 Posn Light chops EM  
11396 0915 Bali/Qantas 61 Request FL 350 Very weak signal EM  
11396 0948 Bali/Speedbird 10 No reply EM  
11396 1018 Jakarta/Indonesian 1418 Posn EM  
11396 1020 Jakarta/Saudia 9608 EM  
11396 0952 Dynasty 668/Manila At 1008 call Manila 118.9 (Western Sector) EM  
11396 1030 Perth/Reach F7YA FL 310 Request FL 350 EM  
11396 1034 Brunei 77/Perth ETA Darwin 1120 EM  
11396 1031 Perth/Speedbird 10 Maintain 310 Call me on 13318 EM  
11396 0951 Ujung/Eva 1256 FL 350 EM  
11396 1045 VH-OYB/Perth Squawk 4536 EM  
11396 1029 Ezeiza Radio in Spanish with WX NM  
13270 0737 New York Volmet Thunder storms over Miami Cloud tops to 240000 Satellite pictures from Bermuda EM  
13282 0841 Tokyo Volmet with WX Seoul 15o Viewpoint 3 QNH 1010 EM  
13306 1030 Iberian 682/Santa Maria 20o North NM  
13306 1030 Britair 001/Santa Maria 48 N 20 W Call Shannon 8906 NM  
13306 1030 KLM 471/Santa Maria 42 N 30 W Minus 50o NM  
13318 0945 Cathay 100/Perth Call Ujung Control 132.5 BJ  
13318 1042 Perth/Lauda 6 Have datalink with Brisbane S/C DRHS NM  
13318 1043 5924/Perth You are requested to call again at BETTA NM  
13318 1047 Malaysia 241/Perth Advise your data link YMMM lost Maintain radio watch S/C QREF NM  
13318 1048 Brunei 71/Perth Contact Brisbane 123.85 Goodnight NM  
13318 1047 Qantas 1/Perth Confirm data link with Brisbane S/C AQCE NM  
13333 1809 Speedbird London/Speedbird 15 Still over Indian Ocean We are trying the solution to the problem and will come back NM  
Thanks to contributors - JC John Charlton Greymouth, Kenwood R5000 30 m wire — NM Neville McKenty Napier, NRD 545 and Icom R70 60 foot antenna sloper, Shortwave listener Discone D 130 - BJ Basil Jamieson Oamaru, Drake R8 and Kenwood R5000, 30 m wire - EM Auckland, Kenwood R5000, T2FD

[broadcast.dx@radiodx.com](mailto:broadcast.dx@radiodx.com) with Paul Ormandy, Oamaru

Hi all, hope you're enjoying the brisk mornings of late... also a good time to look for good propagation into Australia past sunrise and certainly before sunset. Had the company of Peter Chambers and Robert Telenius for a night at Waianakarua recently and whilst the

DX was nothing spectacular, there was plenty of discussion on DX-related themes such as aeriels, technicalities and propagation. One topic was hearing Australians in day-light hours, so if you live on the West Coast in particular, and with the days shortening somewhat, you may be able to pick up the odd Australian station amongst the gaps from New Zealanders not propagating well.

And a new Argentine station on 1630kHz has been heard well down here in the South away from that cursed beacon... Radio Buen Aire with a lively program... plenty of ads and ids. Look for R Tropical 1620 with religious programming and a new station on 1670kHz relaying BBC's Spanish programming.

And a recent thread of e-mails recently highlighted US stations whose transmitters were located in other States... e.g. KQWB 1550 with studios in their City of License, Fargo ND and transmitters across the border in Minnesota, others are WABC 770 New York & WHPT 1210 Philadelphia both with transmitters in NJ, WTOP 1500 Washington DC with their sender in Maryland and one I didn't know about, KMOX 1120 Louisville MO whose transmitter is across the border at Granite IL. I've always counted the actual location of the transmitter when counting States (or anything else for that matter) some DXers count the City of License... what do you think and do you know of any others?

John Allchin, Sydney NSW April 6-14 and I headed 260kms south of Sydney on the annual one week family pilgrimage to Lake Tabourie on the NSW south coast. Packed away in the luggage was the trusty Sony ICF6800W (now off life support and fully restored to full working condition), 160m longwire and a desire to at least eclipse the rather disappointing results of the visit in April last year. No science with the aerial which was simply dragged out along the sand in an E-NE direction connected to the Sony set up in the car parked at the beach edge car park. Five minutes of listening and I had already achieved more than the 1999 visit with 1580 very lively with KMIK and KBLA by 0715 followed shortly afterwards by the usual syndicated talk-fest on 1110, 1120 and 1130, Radio Marti on 1180 but most importantly, my first US X-band DX. Despite the higher noise levels at this end of the band I took IDs on KXOL-1660 and WHTK-1650 and with this the family risked not seeing me for hours as fond memories of the late 70s at Te Araroa came flooding back. 1400 and 1490 were rumbling without producing any proper audio and 910, 1460 and 1470 tried their best to ID. No Latins however. NZers on virtually every channel and fun to hear stations such as 1XTR-1521 overriding 2QN and my old local 1ZB-1080 absolutely annihilating the Australian opposition. This doesn't happen in the Rugby though thankfully. I will send reports to WHTK, KXOL and KVJN if I get the time. I am now the proud owner of a Drake SPR-4 courtesy of Chris Martin who kindly parted with one of two he owned but without a DC cable which we're tracking down, I was unable to use on this trip. Now that I'm set receiver-wise I will try and develop some plans for short DXcursions just north of Sydney. Even at Easter on a day trip to Terrigal, 80kms north of Sydney, 2ZP-1053 and 2ZB-1035 were at good levels on the car radio at 0628, well over an hour before sunset here. This area seems to hold some promise." *Good stuff John... WHTK your first Virginian?*

Laurie Boyer, Invercargill "Only the two back this month in 2WEB 585 and WTIR 1680 both on prepared cards signatures illegible." Hey! At least they QSL'd!

Sutton Burtenshaw, Hamilton, "Two more NZ reports out, 1 lone verie from 1YT. Best DX" *Thanks Sutton.. guess you have plans of getting out into a quieter location too?*

Lindsay Robinson, Invercargill "No logs, QSLs in from WTDY 1670 and R Pacific 738" *You're running out of X-banders now Lins!*

## SPECIAL MAY 2000 LIFT-OUT SUPPLEMENT

### ENGLISH BROADCASTS MARCH 2000 / OCTOBER 2000 (A00)

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 March. 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 to the many SWLers in the League. Reception will be varied, depending on the propagation conditions at the time of listening, so some broadcasts will not be audible all the time. The listings are based on the broadcaster's location, not the transmitter location.

UTC	BROADCASTER	FREQUENCIES
1900	Australia	6080, 7240, 9500, 9580, 9815, 11880
1900	BBC WS	6195, 9410, 9740, 11940, 12060, 12095, 15105, 15400, 17830, 17885
1900	Bulgaria	9400, 11700
1900	China, CRI	9440, 9595, 11750
1900	Ecuador, HCJB	17660
1900	Germany, DW	11785, 11810, 13720, 15390, 17810
1900	Hawaii, KWHR	17650
1900	Hungary	6025
1900	India, AIR	7410, 9950, 11620, 13750, 15075, 15200
1900	Israel, KOL	11605, 15650, 17535, 15640
1900	Kuwait	11990
1900	Malta, V of Med	12060
1900	Netherlands, RN	6020, 7120, 9895, 11655, 13700, 17605, 21590
1900	Nth Korea	6575, 9335, 11710, 13760
1900	NZ, RNZI	17675
1900	Russia	9820, 11675, 12070, 15735
1900	Thailand	7195, 9655, 11905
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	USA, WYFR	18980
1900	Vietnam	9730, 13740
1900	VOA	6160, 7260, 7375, 9525, 9680, 9760, 9840 (M-F), 11780 (M-F), 11870, 11970 (M-F) 13690, 15180, 15410, 15455, 15580
1930	Belarus	7105,
1930	Belguim, RVI	5960
1930	Finland, YLE	6110
1930	Iran, VOIRI	9022, 9575, 11670
1935	Italy, RAI	5970, 7290, 9750
2000	Algeria	11715, 15160
2000	Australia	6080, 7240, 9500, 9580, 9815, 11880, 12080
2000	BBC WS	5975, 5975, 9410, 9740, 12095, 11835, 15400, 17830
2000	Canada	5995, 11690, 13650, 13670, 15325, 15470, 17820, 17870
2000	China, CRI	9440, 15110
2000	Czech Rep, R Prague	5930, 11600
2000	Ecuador, HCJB	17660
2000	Guam, AWR	11970
2000	Hawaii, KWHR	17510
2000	Indonesia	15150
2000	Kuwait	11990
2000	Mongolia	12015, 12085
2000	Netherlands, RN	6020, 7120, 9895, 11655, 13700, 17605, 21590
2000	NZ, RNZI	17675
2000	Russia	9775, 9820, 11675, 15485
2000	Spain, REE	9595, 15285 (Mon — Fri
2000	Switzerland, SRI	13710, 13770, 15220, 17580
2000	Syria, R Damascus	12085, 13610
2000	USA, University N/W	13845
2000	USA, WEWN	15745
2000	USA, WHRI	17650
2000	USA, WSHB	18910
2000	USA, WWCR	12160, 15685
2000	USA, WYFR	15565, 17845, 18980

2000 Vatican 9660, 11625, 13765	2130 Czech Rep, R Prague 11600, 15545	2300 USA, WEWN 9975, 13615	17595
2000 VOA 6095, 9595, 9670, 9770, 11855, 15410, 15445, 15580, 17725, 17745	2130 Guam, AWR 11980, 15550	2300 USA, WWCR 9475	0100 VOA 11820, 13650, 13740, 15250, 17740, 17820
2025 Italy, RAI 7125, 9710, 11880	2130 Iran, VOIRI 13745	2300 VOA 11760, 15185, 15290, 15305, 17735, 17740, 17820	0130 Austria, ORF 9655, 9870, 13730
2030 Africa Beacon 9675	2130 Sweden 9435, 15255	2330 R Netherlands 9845	0130 Guam, AWR 11600
2030 Egypt, R Cairo 15375	2130 USA, WWCR 15685	0000 Australia 12080, 15240, 15415, 17580, 17750, 17759, 17795, 21740	0130 Sri Lanka 15425 (relig. Relay)
2030 Germany, AWR 15560	2200 Australia 17715, 17795, 21740	0000 BBC WS 12095, 15280, 15310, 15360, 17760, 17790	0130 Sweden 13625
2030 India, AIR 11620	2200 BBC WS 9590, 9660, 11835, 11955, 12080, 12095, 15400	0000 Czech Rep, R Prague 11615, 13580	0140 Vatican 9650, 12055
2030 Poland 7285	2200 Canada, RCI 9755, 13670, 15305, 17695, 17835, 17820	0000 Ecuador, HCJB 15115, 21455U	0200 Argentina, RAE 11710 Mon — Fri
2030 Thailand 9680 (15 mins)	2200 China, CRI 9880	0000 Egypt, R Cairo 9900	0200 Australia 12080, 15240, 15415, 15515, 17580, 17750, 21725
2030 Turkey 9525	2200 Costa Rica, RFPI 25930	0000 Finland, YLE 11985 (Sun), 13770	0200 BBC WS 9915, 11760, 11955, 12095, 15310, 17790
2030 Vietnam 9730, 13740	2200 Hawaii, KWHR 17510	0000 Hawaii, KWHR 17510	0200 Bulgaria 11700
2100 Australia 7240, 9500, 9580, 9660, 11880, 12080, 17715, 21740	2200 India, AIR 11620, 11715	0000 India, AIR 13625	0200 Canada, RCI 9755, 11715, 13670, 15170, 15305
2100 BBC WS 9410, 9740, 11680 (Tu - F), 15400	2200 Italy, RAI 11900, 15240	0000 Japan, NHK 13650, 17810	0200 Costa Rica, RFPI 15050
2100 Bulgaria 9400, 11700	2200 Iran, VOIRI 11740, 13745	0000 NZ, RNZI 17675	0200 DW 11945, 11965
2100 Canada, RCI 13650, 13670, 15325, 17820, 17870	2200 NZ, RNZI 17675	0000 USA, University N/W 13845	0200 Egypt, R Cairo 9475
2100 China, CRI 15110	2200 R Free Asia 15680	0000 VOA 11695, 13240, 17735, 17820	0200 Ecuador, HCJB 9745, 15115, 21455U
2100 Cuba, R Havana 13750	2200 Taiwan 11565, 15600	0030 Thailand 15395	0200 Hawaii, KWHR 17510
2100 DW 9765, 9670, 9875, 11865, 11915, 15135	2200 Turkey, VOT 13640	0050 Italy, RAI 11800	0200 NZ, RNZI 17675
2100 Ecuador, HCJB 17660	2200 USA, University N/W 13845	0100 Australia 12080, 15240, 15415, 17580, 17750, 17795, 21725	0200 Romania 9570, 11940, 15380, 17790
2100 Egypt, R Cairo 15375	2200 USA, WEWN 13615	0100 BBC WS 9915, 11955, 12095, 15280, 15310, 17760, 17790	0200 Taiwan, R Taipei Intl 11740
2100 India, AIR 9910, 11620, 11715	2200 USA, WHRI 17650	0100 Canada, RCI 13670, 15170, 15305	0200 V of Russia 11990, 13690, 15595, 17595
2100 NHK/R Japan 9725, 9810, 11850, 17825, 21670	2200 USA, WINB 13790	0100 China, CRI 9570	0200 Vietnam 9695
2100 Nth Korea 13760	2200 USA, WSHB 13770	0100 Czech Rep, R Prague 11615	0200 VOA 11820, 13650, 13740, 15250, 17740, 17820
2100 NZ, RNZI 17675	2200 VOA 11760, 15185, 15290, 15305, 17735, 17820	0100 DW 9640, 11810, 13720	0230 Hungary 9835
2100 Romania 15105	2230 Belgium, RVI 15565	0100 Ecuador, HCJB 9745, 15115	0230 Sweden, R Sweden 9495
2100 Spain, REE 9595, 9840 (Sat, Sun)	2230 Czech Rep, R Prague 11600, 15545	0100 Finland, YLE 11985, 13770 (15 minutes)	0300 Australia 9660, 12080, 15240, 15415, 15515, 17580, 17750, 21725
2100 Sth Korea, RKI 15575	2245 Vatican 9600, 11830	0100 Hawaii, KWHR 17510	0300 BBC WS 9410, 11730, 11760, 11955, 12095, 15310, 17790, 21660
2100 Turkey 9525	2300 Australia 12080, 17715, 17795, 21740	0100 Hungary 9560	0300 China, CRI 9690
2100 USA, University N/W 13845	2300 BBC WS 9590, 11955, 12095, 15280	0100 Indonesia 11785	0300 Costa Rica, RFPI 15050
2100 USA, WEWN 11875, 13615, 15745	2300 Bulgaria 11700	0100 Iran, VOIRI 15085	0300 Czech Rep, R Prague 11615
2100 USA, WHRI 17650	2300 Canada, RCI 9755, 11895, 13670, 15305, 17695	0100 Italy, RAI 11800 (10 mins)	0300 DW 9640, 11810, 13780, 15105
2100 USA, WINB 13790	2300 Costa Rica, RFPI 25930	0100 NHK/R Japan 15590, 17685, 17835, 17845	0300 Ecuador, HCJB 9745, 15115, 21455U
2100 USA, WSHB 15665 (W-Sa, M)	2300 DW 9815, 12055, 13610, 21790	0100 Nth Korea 15230	0300 Egypt, R Cairo 9475
2100 USA, WWCR 12160	2300 Ecuador, HCJB 21455U	0100 NZ, RNZI 17675	0300 Greece 7450, 9420, 12110,
2100 USA, WYFR 15120, 15565, 17845, 21525	2300 Egypt, R Cairo 9900	0100 Slovakia 9440	
2100 VOA 9535, 9595, 9705, 9760, 9705, 11870, 11975, 15185, 15445, 15410, 15580, 17725, 17735	2300 Finland, YLE 11985, 13785 (Sat)	0100 Switzerland, SRI 9885, 9905	
2115 Albania 9540	2300 Hawaii, KWHR 17510	0100 V of Russia 9665, 12045, 15595,	
2115 Egypt, R Cairo 9990	2300 India, AIR 13625		
2130 Austria 13730	2300 Nth Korea 15130		
	2300 NZ, RNZI 17675		
	2300 Romania 11940		
	2300 USA, University N/W 13845		

15630 (10 mins Mon to Sat)	0400 USA, WYFR 9985	0500 USA, WWCR 5070, 5935
0300 Hawaii, KWHR 17510	0400 VOA 7170, 9575, 11965, 15205, 17725	0500 USA, WYFR 5985, 9985, 11580
0300 NHK/R Japan 17825, 21610		0500 Vatican 9660, 11625, 15570
0300 NZ, RNZI 17675	0425 Italy, RAI 5975, 7150	0500 VOA 7170, 7195, 9530, 11965, 12080, 13670, 15205
0300 Philippines 11885	0430 Albania 6115, 7160	0530 Austria, ORF 6015
0300 Taiwan, R Taipei Intl 11825	0430 Austria 6155, 13730	0530 BBC 12045
0300 Turkey 11655, 21715	0430 BBC 21830	0530 UAE 21700
0300 Ukraine 9640, 13590	0430 Netherlands, RN 9590	0600 Australia 12080, 15240, 15415, 15515, 17580, 17750, 21725
0300 V of Russia 9665, 15595, 17565, 17650, 17660	0430 USA, KVOH 9975	0600 BBC WS 6175, 6195, 7160, 9410, 11760, 11765, 12095, 15310, 15360, 15485, 15565, 15575, 17640, 17760, 17790, 17885
0330 BBC 15420	0430 Yugoslavia 9580	0600 Canada, RCI 11715, 13755, 15330, 17675
0330 Czech Rep, R Prague 11600, 15470	0500 Australia 9660, 15240, 15515, 17580, 17750, 21725	0600 Channel Africa 15215
0330 Oman 15355	0500 BBC WS 6005, 6175, 6190, 6195, 7160, 9410, 11760, 11765, 12095, 15310, 15420, 15575, 17640	0600 Costa Rica, RFPI 15050
0330 Sweden, R Sweden 9495	0500 Canada, RCI 5995, 6145, 7290, 9595, 11710, 11830, 13755, 15330	0600 Croatia 11880
0330 UAE 12005, 13675, 15400	0500 Channel Africa 11720	0600 Cuba, R Havana 9550, 9820
0330 USA, WINB 11950	0500 China, CRI 9560	0600 DW 6140, 13790, 15275, 17860
0330 Vietnam 9795	0500 Costa Rica, RFPI 15050	0600 Ecuador, HCJB 9475, 15115, 15160, 21455U
0400 Australia 12080, 15240, 15415, 15515, 17580, 17750, 21725	0500 Croatia 9470	0600 Hawaii, KWHR 17780
0400 BBC WS 6195, 9410, 11760, 11955, 12095, 15310, 15420, 15575, 17640, 17790, 21660	0500 Cuba, R Havana 9820	0600 Kuwait 15110
0400 Belgium, RVI 15565	0500 DW 9670, 9785, 11810, 11985	0600 Malta, V of Med 7150
0400 Canada, RCI 11835, 11975, 13765, 15215, 15435 (M-F)	0500 Ecuador, HCJB 9745, 15115, 21455U	0600 NHK/R Japan 13630, 15230, 15320, 21570
0400 China, CRI 9730	0500 Georgia 11805	0600 Nigeria 7255
0400 Costa Rica, RFPI 15050	0500 Hawaii, KWHR 17780, 11565	0600 NZ, RNZI 17675
0400 Cuba, R Havana 9820, 11705U	0500 Kuwait 15110	0600 NZ, ZLXA 3935
0400 DW 9565, 9765, 13690	0500 Netherlands, RN 6165, 9590	0600 Overcomer Ministry 13810
0400 Ecuador, HCJB 9745, 15115, 21455U	0500 NHK/R Japan 5975, 6110, 7230, 13630, 15590, 21570	0600 Romania 15335
0400 Guam, KTWR 9370	0500 Nigeria, V of 7255	0600 Russia 15490, 17495, 17625, 17665, 21790
0400 Hawaii, KWHR 17780	0500 NZ, RNZI 17675	0600 USA, KTBN 7510
0400 Israel, KOL 9435, 15640, 17535	0500 NZ, ZLXA 3935	0600 USA, University N/W 5935
0400 Mexico 9705	0500 Russia 17625, 17665, 21790	0600 USA, WBCQ 7415
0400 NZ, RNZI 17675	0500 Spain, REE 6055	0600 USA, WEWN 5825
0400 Romania 11940, 17745	0500 Swaziland, TWR 9500	0600 USA, WGTG 5086, 6890U
0400 Russia 9665, 11990, 15595, 17690, 17660, 17650	0500 Switzerland, SRI 9610	0600 USA, WHRI 5745, 7315, 11565
0400 Switzerland, SRI 9885, 9905	0500 USA, KTBN 7510	0600 USA, WJCR 7490
0400 Turkey 21715	0500 USA, University N/W 5755	0600 USA, WMLK 9465
0400 USA, Herald B/C 12020	0500 USA, WBCQ 7415, 9330	0600 USA, WSHB 13650
0400 USA, WBCQ 7415	0500 USA, WEWN 5825	0600 USA, WTJC 9370
0400 USA, WHRI 7315	0500 USA, WHRI 5745, 7315, 11565	0600 USA, WWCR 5070
	0500 USA, WRNO 7355	0600 USA, WYFR 5985, 7355
	0500 USA, WSHB 9840	0600 VOA 6035, 7170, 7195, 9530, 9680, 11805, 11965, 11995, 12080, 13670, 15205
	0500 USA, WTJC 9370	0600 Zambia, Christian V. 9865
		0610 Greece 7475, 9375, 9420, 15630 (10 mins)
		0630 Finland, YLE 15250, 21670 (15 minutes)
		0630 Vatican 11625, 11740, 13765, 15570
		0700 Australia 12080, 15240, 15415, 15515, 17580, 17750, 21725
		0700 Austria, ORF 13730

0700 BBC WS 9580, 11765, 12095, 15360, 15400, 15485, 15565, 17640, 17760, 17790,  
 17830, 21660  
 0700 Belgium, RVI. 5985  
 0700 Costa Rica, RFPI 15050  
 0700 Croatia 13820  
 0700 Czech Rep, R Prague 9880, 11600  
 0700 Ecuador, HCJB 11755, 15160, 21455U  
 0700 Germany, V of Hope 5975  
 0700 Hawaii, KWHR 11565, 17780  
 0700 KHBN 9985, 15725  
 0700 Kuwait 15110  
 0700 Monaco, TWR 6045, 9870  
 0700 NZ, RNZI 15115  
 0700 NZ, ZLXA 3935  
 0700 PNG, Port Moresby 9675  
 0700 Romania 17735  
 0700 Russia 17495, 17625, 17665, 21790  
 0700 Slovakia 9440, 15060, 15460, 17550  
 0700 Sth Africa, TWR 9870  
 0700 Taiwan, R Taipei Intl 5950  
 0700 USA, KTBN 7510  
 0700 USA, KVOH 9975  
 0700 USA, University N/W 5755, 5935, 9725, 17590  
 0700 USA, WEWN 5825  
 0700 USA, WHRI 5745, 7315  
 0700 USA, WJCR 7490  
 0700 USA, WMLK 9465  
 0700 USA, WSHB 7355, 7520, 13650  
 0700 USA, WTJC 9370  
 0700 USA, WWCR 5070, 5935  
 0700 USA, WYFR 7355, 7520  
 0700 Zambia, Christian V. 9865  
 0730 Austria, ORF 15410, 17870  
 0730 Georgia 11910  
 0730 Switzerland, SRI 15545, 17685, 21750  
 0730 USA, WYFR 13695, 15170  
 0730 Vatican 7250, 9645, 11740  
 0745 Guam, KTWR 15200  
 0800 Alaska, KLNS 11765, 11780  
 0800 Australia 5995, 9710, 12080, 13605, 15240, 15415, 17750, 21725  
 0800 BBC WS 6190, 9760, 11995, 12095, 15310, 15360, 15400, 15485, 15565, 17640,  
 17830, 21660, 21830  
 0800 Costa Rica, RFPI 15050  
 0800 Croatia 13820 (7 minutes)  
 0800 Hawaii, KWHR 11565, 17780  
 0800 Ecuador, HCJB 11755, 21455U

0800 Finland, YLE 9560 (Sun)  
 0800 Germany, V of Hope 5975  
 0800 Guam, KTWR/AWR 15200, 15330  
 0800 KHBN 15725  
 0800 Malta, V of Med 11770  
 0800 Mexico, R Mexico Intl 6185  
 0800 NZ, RNZI 15115  
 0800 NZ, ZLXA 3935  
 0800 Overcomer Ministry 13810  
 0800 Pakistan 17835  
 0800 PNG, Port Moresby 4890  
 0800 Russia 15490, 17625, 17495, 17665, 21790  
 0800 Sth Korea, RKI 9570, 13670  
 0800 USA, KAIJ 5810  
 0800 USA, KTBN 7510  
 0800 USA, KVOH 9975  
 0800 USA, University N/W 5935, 9725, 11870, 17590  
 0800 USA, WEWN 5825  
 0800 USA, WJTC 9370  
 0800 USA, WHRI 5745, 7315  
 0800 USA, WSHB 9845, 9860  
 0800 USA, WWCR 5070  
 0800 VOA 13610, 15150  
 0800 Zambia, Christian V. 9865  
 0815 Seychelles, FEBA 15460  
 0830 Switzerland, SRI 9885, 13685  
 0830 Austria, ORF 21650, 21765  
 0830 Georgia 11910  
 0900 Australia 11880, 13605, 17750, 21820  
 0900 BBC WS 11940, 11955, 12095, 15190, 15310, 15360, 15380, 15400, 15485, 15565,  
 17640, 17760, 17790, 21470, 21660  
 0900 China, CRI 11730, 15210  
 0900 Costa Rica, RFPI 15050  
 0900 Czech Rep, R Prague 21745  
 0900 DW 6160, 15105, 15470, 17560, 21680, 21790  
 0900 Ecuador, HCJB 11755, 21455U  
 0900 Germany, Good News Intl 13740  
 0900 Germany, V of Hope 5975  
 0900 Guam, KTWR 15200, 15330  
 0900 Hawaii, KWHR 11565, 17780  
 0900 KHBN 15725  
 0900 NZ, RNZI 15115  
 0900 NZ, ZLXA 3935  
 0900 PNG, Port Moresby 4890  
 0900 Russia 9905, 15460, 15470  
 0900 USA, KTBN 7510



0900 USA, University N/W 5935, 17590  
 0900 USA, WEWN 5825  
 0900 USA, WHRA 7435  
 0900 USA, WHRI 5745, 7315  
 0900 USA, WSHB 9860  
 0900 USA, WWCR 5070  
 0900 VOA 11930, 13610, 15150  
 0900 Zambia, Christian V. 9865  
 0930 Guam, AWR 7230, 11795  
 0930 Guam, KTWR 9865  
 0930 Netherlands, RN 9795, 12065, 13710  
 1000 Australia 11880, 13605, 17750, 21820  
 1000 BBC WS 5965, 6195, 9740, 11955, 12095, 15310, 15565, 15595, 17640, 17760,  
 17830, 17885, 17790, 21470,  
 1000 China, CRI 11730, 15210  
 1000 Ecuador, HCJB 11755, 21455U  
 1000 Guam, AWR 11560  
 1000 Guam, KTWR 9865  
 1000 Hawaii, KWHR 9930, 11565  
 1000 India, AIR 13700, 15020, 17895  
 1000 Ireland, RTE 11740  
 1000 Japan, NHK 9695, 15590, 21570  
 1000 Netherlands, RN 9795, 12065, 13710  
 1000 NZ, RNZI 15115  
 1000 NZ, ZLXA 3935  
 1000 PNG, Port Moresby 4890  
 1000 Singapore, R Corp 6150 (Domestic Service)  
 1000 Solomon Is 5020  
 1000 Switzerland, SRI 15315  
 1000 USA, KTBN 7510  
 1000 USA, University N/W 5935, 6150, 13750, 17590  
 1000 USA, WEWN 7425, 15745  
 1000 USA, WHRI 6040, 9495  
 1000 USA, WSHB 9455, 11840  
 1000 USA, WTJC 9370  
 1000 USA, WWCR 5070, 9475  
 1000 USA, WYFR 5950  
 1000 Vietnam 9840, 12020  
 1000 VOA 6165, 7405, 9590, 9770, 15240, 15425  
 1000 Zambia, Christian V. 9865  
 1030 Ethiopia 7110  
 1030 Israel, KOL 15640, 17535  
 1030 Mongolia 12085  
 1030 Sri Lanka, SLBC 11835, 15120, 17850  
 1030 Sth Korea, RKI 11715

Good listening, 73's Ken Baird and Mike Butler

Bill Woller, Opunake, "Well we made it to Whangarei and back OK. We were a bit worried about negotiating Auckland for the first time but no problems. Reception wise it was a bit of a washout. Rained in the evenings so were confined to my son's house with the loop and it was the noisiest location I have ever tried. Right in the built up area. Power noise, computer noise, every noise imaginable. Strength 9 and all along the band. The only ones to make it through were Noumea 666, Fiji 684, KGU 760 and Fiji 1467. Aussie stations came in earlier than at home. But it shows promise once away from the noise. We will be back there in mid to late August, and try to combine Dxing and a wedding.!!! One Verie in from WTIR 1680, or should I say "Certificate of Reception". Address on Envelope "301 Plymouth Drive N.E.Dalton, Georgia, 30721-9983". Until next time, good dx," Yes, *the WTIR QSL is a beauty!*

Paul Ormandy, Oamaru, "Well, there is nothing like sending out a few reception reports to encourage QSLs for older reports to turn up in the mail... such was the case with QSLs from WTIR 1680 and LS11 R Provincias 1270... then a couple of e-mail QSLs have cybered in too... LS5 R Rivadavia 630 & R Buen Aire 1630 (in just 40 minutes!). Rivadavia also sent a letter and sticker which arrived yesterday and R Buen Aire subsequently also sent a QSL card by e-mail... which when printed looks no different to any other QSL! Spent a few nights at Waianakarua at Easter and managed to log R Buen Aire 1630, R Libertad 820 & WRRU 1660. Conditions were much poorer than mid-March with X-banders once again lacking strength... never mind, it's always great to have a listen from such a quiet location as Waianakarua."

#### Merv Branks Trophy

Paul Ormandy 13, Keith Robinson 7, Lindsay Robinson 5, Sutton Burtenshaw 4, David Ricquish 1 more than Mark Nicholls...

#### Best of the Month

Paul Ormandy with R Rivadavia, Buenos Aires, Argentina 630kHz 5kW

#### Lake Tabourie, NSW Mini Trail

John Allchin, Sydney DXing from Lake Tabourie, 260kms south of Sydney using a SONY ICF6800W and 160m longwire

- 870 0811 HAWAII KAIM Honolulu very good with religious program.
- 910 0843 USA Unid with talk and advts poor-fair thru het but no IDs heard during peaks.
- 1050 0756 USA KTCT San Mateo, CA really packing a punch at time and carving thru splat from 1053 with Sports Fan Radio IDs and sports talk.
- 1390 0800 USA KVIN Turlock, CA with full 'KVIN Turlock-Modesto' ID and back into music, no news.
- 1500 0803 USA Unid - who was the station here 12/4 running // to KVIN-1390. Heard Neil Diamond's 'Song Sung Blue' and though just coincidence that matched KVIN but then went into new song in // KVIN. Lost before any ID, any ideas?
- 1580 0813 USA KMIK Tempe, AZ with 'AM 1580 Radio Disney' ID and frequent Radio Disney IDs. Very consistent signal past 1100.
- 1580 0800 USA KBLA Santa Monica, CA with Radio Unica IDs poor but competing well with KMIK during local sunset here but KMIK dominant once evening set in.
- 1650 0900 USA WHTK Portsmouth, VA coughed up clear ID at this time, had been sitting with this one for a while. Very pleased as makes US state 38 heard.
- 1650 1101 USA Unid with CBS News mixed another. 1105 'AM 1650 ...' ID but call letters lost to a static burst. Two stations, one talk, one music mixed by 1108.

- 1660 0844 USA KXOL Brigham City, UT with oldies format and 'tell your friends about KXOL' ID. The most consistent and strongest X-bander at this location.
- 1690 0902 USA KDDZ Arvada, CO assumed the one breaking through noise from nearby Aussie with Radio Disney prgming // 1580 KMIK.

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

**NEW ZEALAND** Sorry to report that 1017 AM in Christchurch goes on air in early June. Will run 2.5kW co-sited at Marshlands with Rhema (612) and 88Country (1593). Suggest you collect Tonga and Sydney now. 88Country now owns 1593 in Christchurch, not a lease. UCB sold them the frequency.

(Both items from John Peterson, GM of 88Country via David Ricquish)

**NZ RADIO RATINGS** Looking at how AM stations are bearing up in the local rating ratings against the FM competition, but noting that they now officially exclude non-commercial broadcasters like Radio NZ's National Radio (*methinks they may be too much competition, hi! Ed*)

In Auckland, Newstalk ZB (1080 and 89.4 FM) is king of the commercial ratings with 13% of all listeners aged 10 or more. The next AM station is Radio Pacific 702 in 7th place with 4.9%, then Radio Sport 1332 with 4.7%. In Wellington, 91ZM FM is tops with 21%, followed by The Breeze (891 and FM) with 14.5% and Newstalk ZB 1035 with 13.9%. Next AM-er is Radio Sport in 6th place on 6.8% heading off Radio Pacific with 5.2%. Top commercial station in Christchurch is 92 More FM with 20.8%, beating Newstalk ZB (1098) on 15.7%. FM stations fill the next 4 spots, then comes Radio Sport (.....) on 5.7%. Radio Pacific 000 is 9th and 88 Country (FM and 1593 AM) is 14th. Down in Dunedin, the top commercial broadcaster in the ratings is 98 More FM on 15.5%, heading Radio Dunedin 000 with 13.8% and Newstalk ZB 1044 on 10.5%. 4XO (1206? and FM) is back in 7th place, while Radio Sport pips Radio Pacific for 9th spot. As noted above, non-commercial stations are no longer published in these ratings. (Research International via Median Strip)

**ARGENTINA** Received an e-mail reply from Radio Rivadavia 630 staffer, Patricia Costanzo who works as announcer and newsreader. She also will be asking the technical staff for a written QSL letter and is sending some tourist brochures. Her e-mail address is pacostanzo1@yahoo.com though the report was originally sent to rivadavia@mail.com. The reply took 3 days. (Paul Ormandy) I received my quickest QSL ever. I logged R Buen Aire, Argentina 1630 on Saturday at 0510z, sent the report by e-mail at 2351z and received the reply at 0031z! No v/s... just a short confirmation message (in block letters) at the top of my original report, from the management of 'Red 92'... hopefully something will turn up in the post! (Paul Ormandy)

**CANADA** CKTA Taber Alberta 1570 has now left AM. They had been running parallel with their new FM (93.3 The Hawk) for the past couple of months. (Nigel Pimblett via Hard-Core-dx@hard-core-dx.com list, via PWO)

Others departing or applying to move from AM include CHNO Sudbury ON 550 and CKCW Moncton NB 1220. (IRCA)

#### NORTH AMERICAN EXPANDED BAND UPDATE

We start with the occupancy status of the X-Band as at 24 April 2000. Thanks to prolific DXer PAT MARTIN and the International Radio Club of America. After each station there is an

indication of format, hours of operation and how the station QSLs DX reports: Q-card, L-letter, P-prepared card, C-certificate, E- E Mail

- 1620**  
 WPHG Atmore AL — Gospel - 24hrs - Q/L  
 KSMH Auburn CA — Religion -24hrs - L  
 WHLY South Bend IN — Nostalgia - 24hrs - L  
 KAZP Bellevue NE — Sport - 24hrs - L  
 WTAW College Station TX — Talk - 24hrs - Q  
 KYIZ Renton WA - Urb Contmp - 24hrs - L
- 1660**  
 WMIB Marco FL - Nostalgia - 24hrs - Q/L/P/E  
 KRZX Waco TX — News/Talk - L  
 WWRU Elizabeth NJ - SS/Ethnic - 24hrs - L/P  
 KXOL Brigham City UT - Oldies - 24hrs - L/E/P  
 WQSN Kalamazoo MI - Sport - 24hrs - E/L/P

- 1630**  
 KCJJ Iowa City IA - Adult Contmp - 24hrs - E/P  
 KKWY Fox Farm WY - C&W - Q/E  
 XEUT Tijuana BCN — Jazz - Daytime

- 1670**  
 WRNC Warner Robins GA - C&W - 24hrs - L  
 WTDY Madison WI - Talk/Sport - 24hrs - L/P/E

- 1640**  
 KDIA Vallejo CA — Religion - 24hrs - Q/L/P  
 KPBC Lake Oswego OR — Religion - L  
 WKSH Sussex WI — Religion - 24hrs - L

- 1650**  
 KGXL Torrance CA — Jazz - 24hrs - Q/L/P  
 KBDJ Denver CO - Relig/Adlt Contmp - 24hrs  
 KDNZ Cedar Falls IA - NX/TLK-24hr-E/L  
 WHKT Portsmouth VA - REL-C

- 1680**  
 WTIR Winter Garden FL - TIS - 24hrs - C  
 WJNZ Ada MI - Urban Contmp - 24hrs - C/L  
 WTTM Princeton NJ - Nx/Bus/Sprt -24h - L

- 1690**  
 KDDZ Arvada CO — Kids - 24hrs - L  
 WPTX Lexington Park MD-Tlk/Sprt-24h - L

#### Additional observations & news from IRCA "DX Monitor".

- 1620 WTAW addr is 2700 Earl Rudder Freeway South, College Station, TX 77845. (Martin OR)
- 1650 KBDJ CO, Denver CO Christian music, slogan "The Beat" (Martin OR)
- 1660 KRZX TX, Waco with ident for affiliate KRZI, then jingle "KRZI, Newstalk Radio" followed by CBS news. (Godwin MT)
- KAXW Merced CA is the latest X-Bander, due on in May, format to be JRN Spanish hits.
- KWSI Kansas City MO new call letters replacing KBJC.
- WD2XAM Cincinnati OH (Xetron Corp) has been test tx by USA Digital Radio. (Watts KY)
- 1680 WTIR address is 301 Plymouth Dr NE, Dalton GA 30721-9983. Verie signer Merrill Isaacson. (Taylor WA)
- 1690 WPTX Lexington Park MD new callsign replacing WMDM.
- 1700 KQXX finally verified after 8 follow-ups, by Sandra Conche; 1050 Macintosh St, Brownsville TX 78521. (Jackson CA)

#### USA Recent changes courtesy IRCA "DX Monitor" magazine

- 540 KKGO Costa Mesa CA new callsign replacing KNOB.
- 570 WHNZ Pinellas Park FL becomes WTBN "Tampa Bay News"
- 580 KMJ Fresno CA no decision has been made but if they do pursue plans to go to 50kw it will not be in place before end of 2000. (G.Jackson CA)
- 620 WSAW Saint Petersburg FL is getting new callsign WHNZ.

680 WCNN North Atlanta GA now urban AC//WALR-FM ex news format.  
 760 KGU Honolulu HI format was sports, now talk.  
 860 WTEL Philadelphia PA callsign replacing WWDB.  
 910 KNEW Oakland CA format was hot AC//K101-FM, now tech talk "C-net radio" (will focus on technology business with a companion website)  
 920 KGHO Olympia WA back on w/"Good Time Hit Oldies." (Taylor WA)  
 KHTL Albuquerque NM call change to KSVL, contemporary Christian.  
 930 KHJJ Los Angeles CA has reverted to the old call of KHJ.  
 960 KKJX Klamath Falls OR on air 24 hrs NSP w/ESPN sports. (Wein CA)  
 1040 KURS San Diego CA format was regional Mexican, now Unica SS talk.  
 WBZT Boynton Beach FL new callsign replacing WJNO.  
 1050 KMAP Frazier Park CA is now Radio Disney. (D.Gibson CA)  
 1050 KHTL Los Ranchos de Albuquerque NM to 1kw nights DA-1. Ex KNML.  
 1090 KYCW Seattle WA is the latest callsign here ex KMPS, now running "Classic Country.". This was KING from 1948 until 1995, then KINF, KNWX, KRPM until becoming KMPS a few months back! (Cronin WA via Pat Martin)  
 1110 KLIB Sacramento CA letter QSL from Rosa Garnja, Sales. Address: 3463 Ramona Ave, Suite 15, Sacramento CA 95826. (Martin OR)  
 1150 KSRB Seattle WA has CP for 10kw days, directional nights 6kw DA-N.  
 KCCT Corpus Christi TX format was sports, now SS cont. Christian.  
 1200 KOQI Soquel CA has been testing here with 10kw nights. (Hilliker CA)  
 1220 KWKU Pomona CA new callsign replacing KWPA.  
 1290 WCFI Ocala FL with CNN news format is reported silent.  
 1280 KJAX Stockton CA callsign change, becomes KUYL "Kool"  
 1340 KTIK Nampa ID changed frequency to 1350 on 1 January. (Aden ID via Pat Martin)  
 1350 KCKC San Bernadino CA format was sports, now ranchera "R.Canon"  
 1370 KAST Astoria OR is now 24 hours, running Art Bell talkshow from local midnight till 5am. (Martin OR)  
 1380 KZJZ St. Louis MO callsign changed to KSLG "St. Louis Gospel"  
 1400 KBZZ La Junta CO callsign changed to KBLJ "La Junta"  
 1420 KCCN Honolulu HI format was Hawaiian, now ESPN sports, talk.  
 1430 WOWW Germantown TN now carries Radio Disney.  
 KLO Ogden UT QSL letter says they are now 10kw/U2 with a new transmitter site at Layton, UT. Also states that station is 2nd oldest in UT signing on in 1924 and that morning show announcer Len Allen has worked for the station for 53 years! V/S: Arlene Harris, Office Manager. Address: 4155 Harrison Blvd., Suite 206, Ogden, UT 84403. (P.Griffiths CO via Pat Martin)  
 1460 WXOK verified by prepared card v/s Keith Stokes, Director of Engineering, 650 Wooddale St, Baton Rouge LA 70806. (TMJ)  
 1470 WLVU Dunedin FL is new callsign replacing WTBL.  
 1480 KDXX Dallas TX format is now SS romantica "Amor".  
 1490 KWOK Hoquiam WA new call ex KAYO ex KGHO, w/WW1 Hot C&W.  
 1520 KYJY Albuquerque NM callsign replacing KQEO.  
 1540 KZMP University park TX format is now JRN Spanish Hits.  
 KMPC Los Angeles ex KCTD here w/'One-on-One Sports' (Larsen CA)  
 WPTR Albany NY call letters have been reinstated. Standards format.

1560 KZQQ Abilene TX "The Zoo" '1 on 1 Sports' ex KMPC (see 1540)  
 1570 KVTK Vermillion SD new call letters replacing KOSZ.  
 WGSF Fernandina Beach FL increases day power to 10kw ND.  
 1580 KTFN Merced CA format changing to JRN SS hits // KAXW on 1 May.  
 1590 KROY Victorville CA format was classic country, now ESPN sports.  
 1600 KGST Fresno CA format was SS talk, music, now regional Mexican.  
 KIVA Albuquerque NM ex-1580 heard 13/4 w/ "Kiva-1600 KIVA" ident. (Nittler CO)

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

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**WELCOME TO NEW & REJOINING MEMBERS:** DAVID LAMBOURN, P.O. Box 60258, Titirangi, Auckland, JOHN POULTNEY, 89 Elizabeth Street, Invercargill and DAVE ONLEY, 32 Hutton Street, Thornbury Victoria 3071, Australia. David joined up at the Auckland Branch's April meeting, while John and Dave rejoin after an absence of several years. John says he's now retired and can now spend more time at his favourite hobby of SWling and DXing.

**CALLING PHILATETIC DXERS** One of our German members GUNTER JACOB has sent us a first-day philatelic souvenir with a very attractive postage stamp depicting his home town — the three-river city of Passau, issued on 16 March 2000. We will conduct a draw amongst interested members for this attractive item — just send a postcard with your name and address to Stamp Offer, NZRDXL, P.O. Box 3011, Auckland, to arrive no later than 30 May.

**LEAGUE MEMBERS STATIONERY** Our Stationery Secretary BARRY WILLIAMS advises that aerogramme-style report forms are now completely sold out. Aerogramme stock has not been available in New Zealand for overprinting for some years and therefore regrettably this stationery line is now discontinued.

**BOUQUETS & SLOW BOATS** New member Bill Smith notes that he received last month's magazine in his Texas mailbox just 3 days after it was posted in Wellington. However mail delivery to some Australian cities has not been quite so spectacular, with delivery in Adelaide being 5 days later than Texas!!! At this stage there does appear to be a problem with deliveries within Australia as there has been significant variance in arrival dates from one state to another.

**NZRDXL/RADIO NETHERLANDS MILLENNIUM CONTEST** As announced by Jonathan Marks & Diana Janssen, co-hosts of the popular 'Media Network' programme, the following 25 contest participants will receive a new Radio Netherlands Tee-Shirt:

Clemence A. Chikuni of Malawi, Peter Ng of Singapore, Graeme Stevenson of Scotland, William M. Gulycz of Ontario Canada, DON RHODES of Australia, Elias El-Helou of Lebanon, Eamonn O'Connor of Ireland, Gregor Link of Austria, Ralph Brandi of New Jersey USA, Antonio Jesús Pérez Quirantes of Spain, N. Rajiv Kanna of India, Bitu George of Uganda, Tony Barrett of England, Mrs Dora Park of South Africa, Ms D. Kumilonde of Malawi, David H. Cherry, Oregon USA, Christian Ghibaudo of France, our very own PAUL ORMANDY of Oamaru New Zealand, Mr Sujun Parajuli of the Eternal Radio Listeners Club, Nepal, B.Venkkataraman of India, Thomas Lindenthal of Germany, Richard Chen of Trinidad, Michael Rzepecki-Raines, Scotland, Theodoros Solomon of Ethiopia and Joseph McVay of Japan. Congratulations to all these winners!

**SWL MULTI-MODE CONTEST 2000** Details have been received via NZART of a contest for amateur band listeners during the month of June. The goal is to log as many DXCC

countries by mode (CW, SSB, RTTY or SSTV) and by band (10 metres through 160 metres) between 0000 UTC on 1 June and 2400 UTC on 30 June 2000. Points will be awarded as follows: 1 point for each DXCC country in the same continent as the operator, 5 points for others; a "multi" score will be earned at 1 point for each new DXCC country by band and 5 points bonus for each DXCC country logged in the same band in the 4 different modes. The entrants score for each band will be calculated as follows: sum of points earned for the band multiplied by the sum of "multi" for the same band. Each log is to be recorded and separated into lists by band containing DXCC Country, Date, Time, 1st station, RST, 2nd station (except for SSTV logs), points, multi. The "multi" details are to be summarised on a separate sheet. All logs are to be submitted to Marc Nogent, F-11734, 60 Rue Foch, 57390 Audun-le-Tiche, France no later than 30 August 2000. Email: [marc.nogent@wanadoo.fr](mailto:marc.nogent@wanadoo.fr) To receive the results of the contest, please include an IRC or US\$1. The first prizewinner in each country earns a diploma and there will be 2 trophies for the overall winners.

**2000 ANNUAL GENERAL MEETING/MINI-CONVENTION** Mark your calendars now for the DX social event of the year 2000 — the DX League's 2000 Annual General Meeting and Mini-Convention to be held at Motu Moana Scout Camp at Green Bay Auckland from Friday afternoon 13 October to Sunday afternoon 15 October.

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**branch.news@radiodx.com**

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### Auckland

A good turnout on 30 April congratulated Jim Pope on his 80th birthday. Jim has been a member for many years and a regular attender at meetings, as well as DXpeditions where he has excelled as camp cook.

Daniel Bloomfield, President reminded members of the visit to the studios of TVNZ on Sunday May 27. Members will meet at the entrance to the studios, 100 Victoria Street at 2 pm. Non branch members will be welcome provided they call Daniel 8326133 or Evan Murray 4839543 beforehand.

Mike Butler gave frequencies for stations logged during the month. Hope-fully this will encourage members to support the bandwatch sections in the DX Times.

Phil van de Paverd reported that there had been a fire at the Radio Nederlands studio at Bonaire, Caribbean and that transmissions from that transmitter would not now be heard. However since the date of this meeting advice was received advising that the damage had been repaired and that transmissions would be made as normal.

Daniel drew members attention to the three David's South Pacific report broadcast from Dunedin, Wellington and Auckland. These would be made by David Miller in Dunedin, David Ricquish in Wellington and David Norrie in Auckland. Full details appears on page 3 of April DX Times.

Malcolm Holmes announced that the next DXpedition would be held in July. He would be in touch with regular attendees and prospective attendees should contact him on 6207406.

To end the meeting our Technical expert, John West, gave a detailed review of Sony's latest miniature receiver, ICF SW 07, which can receive on all voice modes, and includes synchronous detection.

### North Otago

Excellent meeting with most members present. Display area at the local library was

discussed to attract new blood into the hobby, with luck. Also had a discussion about the historic Electricity Museum.

Peter Illingworth gave us a talk about his recent tramping trip with his family on Greenstone track. Happy DXing from the Oamaru Branch.

### Southland

Hi all, this is to let you know that we in Southland are still around and DXing and at our last Branch meeting at Eddie MacAskill's we had only 6 in attendance with several being unable to come, however we had some good discussions on present and past happenings in the DX World. Eric McIntosh told us about the radio station that used to be on Swan Islands on 6000kHz and as to how it came about on a non-existent island etc. As of yet we still have not heard from DOC with regards to our use of the house at Tiwai, so in the meantime it is still in use for DXing by those who are able to get down there. That's all from Southland for now. Paul Aronsen

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**marketsquare@radiodx.com**

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For sale - "Equinox" baluns, 9:1 ratio housed in waterproof box, standard PL259 UHF plug connection, easily converted for two wire or single wire aeriels, designed for broad Ormandy, 33 Greta Street, Oamaru 8901, tel 03 434 5931, e-mail [paul@radiodx.com](mailto:paul@radiodx.com)

ICOM ICR-70 communications receiver. General Coverage 100kHz to 30,000kHz in thirty 1mhz segments. Ham Band Coverage - 1.8MHz, 3.5MHz, 6.9MHz, 9.9MHz, 13.9MHz, 17.9MHz, 20.9MHz, 24.5MHz, 28MHz. AM, SSB, CW, RTTY. Notch Filter and Passband Tuning. Kit for DC operation included.

My primary shortwave DX receiver since the late eighties, a solid performer on the SW bands. Serial Number 4822. Supplied with instruction manual, schematic, servicing record since purchase. Price: NZ\$600. Contact: Bryan Clark, P.O. Box 3011, Auckland. Tel: (09) 528-4184. email: [bryan@radiodx.com](mailto:bryan@radiodx.com)

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.

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## DXISIMO - FOCUSING ON LATIN AMERICAN, AF- RICAN AND EXOTIC DX with John Durham

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BOLIVIA. Radio Yura new on 4717kHz Radio Yura is a new Bolivian radio station in Yura, provincia Quijarro. Departamento de Potosi. Station heard at 11.50 UTC on April 22 with ID as ¡Esta es Radio Yura. La Voz del layo. recordando siempre que estamos trabajando en onda corta, 4715 de frecuencia en onda corta, desde Yura provincia de Quijarro, departamento de Potosi (Rogildo Fontenelle, hcdx list, April 22 2000)

Station also heard in NZ on April 22 on 4761.8kHz. It came in at fair levels for about 15 minutes from 10.25 UTC so reports (David Norrie, hcdx list, April 22.2000.

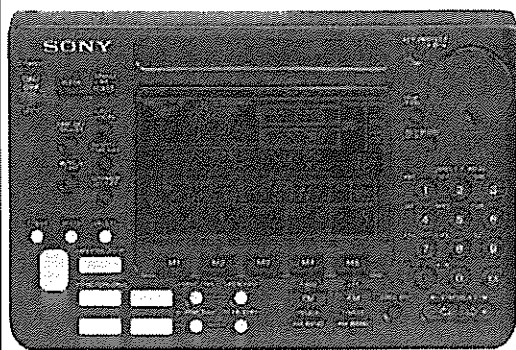
BOLIVIA. Radio Mauro Nunez. Chaquisaca 6065kHz. (hcdx via four winds)

BRAZIL. Radio Educ. D Maranhao. San Luis. 03.20 (Ruben G Margenet, Arg. Conexion digital via four winds)

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# SONY

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ECUADOR. Radio Nacional Espejo.4879.4kHz. 03.51 (Oldenburg.cumbre dx)

EQT.GUINEA. Radio Nacional Bata. 5003.44kHz. 18.55 with folk songs.Programe closed at 19.00 with man in Sp giving frequencies.(Zacharias Liangas-GRC, Apr 18 Top Nx)

IRELAND Reflection radio broadcasts 16.00-23.00 on 3910 kHz (500w),6295 (2kw) and 12255 (200w).Speedy QSL replys with return postage via address iThe Forge, Cranleigh,England.GU6 7BGiBut it is recommended to write direct to the various religious stations that are relayed.

Technical wise the old radio station Radio Fax transmitters are in use.(H-J Koch-D, Martin Elbe-D, Dr.Matthias Zwoch-D, A-DX Apr 23 Top Nx)

The old Radio Fax broadcasts were reported here in NZ back in April of 1991 around 05.45 UTC. Frequencys in use then were 6205 & 12255kHz (Editor.)

ITALY Radio Speranza Modena, is active again on 6231 .24v with fair modulation quality.Religious programmes, Heard today April 19, may be 24 hrs.(Fabrizio Magrone-I,hcdx Apr 19 Top Nx) Sometimes relays programmes from the Vatican Radio.Editor.

PERU radio Ilucan 5678kHz confirms with nice PC letter and photo of my report of Dec 27, v/s Jose Galvez Salazar, Gerente Radio Ilucan. Jr. Lima No 290 ñCutervo.

(Daniele Canonica-SUI, A-DX Apr 16 Top Nx)

PERU. Radio Cielo.4963.2kHz 10.28-10.45 iEsta en sintonia de Radio Cieloï(Pedro F.Arrunategui.Peru.(chasqui dx via four winds)

PERU. Radio san Nicholas.Mendoza.5470.21kHz.11.40 (four winds)

PERU.Radio La Reina de la Selva. Chachapayas.5468.84.(sw bulletin via four winds)

## DX PROGRAMMES IN ENGLISH - APRIL 2000 with

Arthur de Maine

TIME	FREQ	COUNTRY	STATION	PROGRAM AND DETAILS
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### SUNDAY

0000	17510	Hawaii	KWHR	Dxing with Cumbre poor 30/04
0110	15115	Ecuador	HCJB	DX Partyline fair 30/04
0200	15049	Costa Rica	RFPI	World*Oæ Radio fair 9/04
0245	11700	Bulgaria	R. Bulgaria	DX Program good, 9400 poor to fair 9/04
0315	11655	Turkey	VOT	DX Program fair to good, 9/04 fortnightly
0335	11705	Cuba	R. Havana	DX Unlimited good in USB 9/04
0410	9745	Ecuador	HCJB	DX Partyline good 9/04
0410	15115	Ecuador	HCJB	DX Partyline good, better than 9745, 9/04
0430	5745	USA	WHRI	Dxing with Cumbre poor to fair 30/04
0510	6055	Spain	REE	Radio Waves very good, 9/04
0535	9550	Cuba	R. Havana	DXers Unlimited fr-gd, better than 9820/9830 USB 9/04
0600	17780	Hawaii	KTWR	Dxing with Cumbre good 16/04
1000	11560	Guam	KSDA	Wavescan fair to good 23/04
1030	11795	Guam	KSDA	Wavescan good slightly noisy 23/04
1040	11715	South Korea	R. Korea	Multiwave Feedback very good 23/04
2130	15550	Guam	KSDA	Wavescan good slight interference 23/04
2140	15575	South Korea	R. Korea	Multiwave Feedback good 23/04

### MONDAY

0140	15170	Canada	RCI	Maple Leaf Mailbag very good 1/05 fortnightly
0410	15215	Canada	RCI	CIDX Report Fortnightly good 17/04
0410	11835	Canada	RCI	CIDX Report Fortnightly good 17/04
1035	17895	India	AIR	Listeners program very good 01/05

### WEDNESDAY

0930	11755	Ecuador	HCJB	Ham Radio Today very good 19/04
0930	7435	USA	WWCR	Communications world fair, interf. RTTY, better in USB 19/04

### THURSDAY

0800	15330	Guam	KTWR	Pacific DX Report very good 20/04
1000	12065	Netherlands	R. Netherlands, Media Network, 9795 and 13710 also v.gd	20/04

### SATURDAY

0135	15250	USA	VOA	Communications World fair to good 15/4
0300	17510	Hawaii	KWHR	Dxing with Cumbre good 15/4
0500	7315	USA	WHRI	Dxing with Cumbre fair 15/4
0500	5745	USA	WHRI	Dxing with Cumbre good 15/4
0600	17780	USA	KWHR	Dxing with Cumbre good 22/04
0605	15160	Ecuador	HCJB	DX Partyline good 22/04
0730	7315	USA	WHRI	Dxing with Cumbre fair 22/04
0730	5745	USA	WHRI	Dxing with Cumbre fair to good, slight interference 22/04
0910	11755	Ecuador	HCJB	DX Partyline good 22/04



All of these programmes have been heard here in Paremata, Wellington, NZ and are in English, receivers JRC NRD-515 and Drake R-8 coupled to a 30 metre longwire.

### WAIANAKARUA 2000 – Special Shortwave Trail

Paul Ormandy — Drake SPR4, Bryan Clark — AOR 7030+

- 3288 1840 MADAGASKAR R Madagascar, Antananarivo, one of the strongest 90mb Africans at this time. Also noted signals from: BBC Meyerton 3255, TWR Swaziland 3200 & 3240, MBC Blantyre 3380
- 3456.2 1853 UNID pres. Indonesian 'amatir' w/ snatches of Indonesian-sounding music between heavily distorted annmnts, transmission kept breaking up. Ormandy Mar 13
- 4463.6 1037 UNID presume Peruvian, weak signal w/huayños getting splattered by China 4460. Ormandy Mar 17
- 4534.1 1030 PERU Radio Horizonte audible w/ fr receipt. ID in Spanish at 1048. Clark Mar 17
- 4760 0600 LIBERIA ELWA Monrovia, weak sign at sign-on, in English with relig but never getting much above thresh-hold level. Other evening Africans heard in the 0530-0630 were: Nigeria 4770 (Id: "...the network of the millennium"), Mali 4835, Upper Volta 4815, Sao Tome 4950, Togo 5047. Ormandy Mar 13
- 4820 1455 INDIA AIR Calcutta, poor-fair in English w/political item. Some co-channel QRM from China. Ormandy Mar 16
- 4885 1900 KENYA Voice of Kenya, Nairobi, noted back here after being on 4935 the day before in addition to 4915, the latter closed shortly after 1900 but 4885 was heard past 2000z. Ormandy Mar 13/14
- 4990.9 0604 SURINAME Radio Apinte fr nightly, all-night music prgm, jingle & spoken idents. Audible past 0730 when both Hindi and Dutch type languages used. Clark Mar 14-16
- 5015 1855 TURKMENISTAN Turkmen R, Ashgabat, presume the one here w/instrumentals and RR-sounding language... much better in RR on 4930. Ormandy Mar 13
- 5027 1900 UGANDA R Uganda, Kampala, noted w/news in English in // to 4976, then back into vernacular later on. Other sunrise Africans noted were: Madagascar 5009.6, Tanzania 5050, Christian Voice 4965, VOA Sao Tome 4950, Angola 4950, Mali 4835, Lesotho 4800, Mali 4783 & 4835, Togo 5047, Zambia 6265 & 6165, Rwanda 6055, Tanzania-Zanzibar 11734. Ormandy Mar 13
- 5055 0558 COSTA RICA TIFC Faro del Caribe, poor w/sermon in Spanish, heavy het from presumed Fair Guyana. Ormandy Mar 13
- 5678 1058 PERU Radio Ilucan with long string of recorded commercials in Spanish. 1102 ident as 'Radio Ilucan... la Voz de los Andes'. Good, clear reception. Clark Mar 17
- 5985.7 1430 MYANMAR Myanmar Radio, Yangon opening English programme with ident, frequencies and talk on coffee production. Clark Mar 16
- 6105 0550 COSTA RICA Radio Universidad with classical music daily mixed Radio Liberty. Audible as early as 0440. Sign off announcements in Spanish at 0559 with distinctive theme, the end of which is in the clear after Liberty closes at 0559:30. Clark Mar 16-18
- 6134.8 1019 BOLIVIA Radio Santa Cruz opened abruptly with strong signal, educational prgm. Ident in Spanish 1042. Next day noted strong at 0952 with identification as 'Radio Santa Cruz, la Primera'. Clark Mar 16-17
- 6140 1002 URUGUAY Radio Monte Carlo with poor signals 2 consecutive days. News format prgm. Best before Radio Santa Cruz Bolivia opens on adj 6135. Clark Mar 15-16

- 6190 0426 GERMANY Deutschlandfunk, Bremen, poor-fair in German, mostly talk prog though some QRM from BBC 6195. Ormandy Mar 13
- 6895 0428 ISRAEL Galei Zahal very good with string of recorded commercials in Hebrew, news at 0430. Clark Mar 14
- 6900 0543 TURKEY Turkish Meteorological Radio, Bandirma(?). tent. the one here with Turkish music, far too strong to be the Somalian. Ormandy Mar 13
- 6995 0404 CLANDESTINE Voice of the People of Kurdistan, Sulaymaniyah, poor-fair w/AA (?) prog, heard past 0500 in what seemed to be another language. Ormandy Mar 13
- 7100 1759 ERITREA VOBME Asmara fr, apparent nx on the hour. Close 1830. Clark Mar 14
- 7125 0642 GUINEA RTV Guinéeenne, Conakry, amazingly good signal with spoken prog till 0655 then music till 0715 when a newscast followed for 15 minutes. Ormandy Mar 14
- 7210 0300 BELARUS Radio Minsk with interval signal, multi-lingual ident in Belarussian, Russian, English & German. English news, comment and folk songs followed till 0329. Also audible in English but much poorer reception at 2030. Clark Mar 14
- 7335 2018 CANADA CHU Ottawa, amazing long-path signal propagating Eastwards to reach NZ. Weak but audible with time-pips. Ormandy Mar 13
- 7465 1910 BULGARIA Radio Bulgaria with frequent idents in Russian, very good, with parallel 5865 good strength. Clark Mar 17
- 9489.7 0319 UNIDENTIFIED C.I.S RR type lang with apparent 'Radio Kiev' ident. At 0347 ident given as 'Radio Rossi'. Looks like the Abkhazia relay here has gone. Clark Mar 14.
- 9490 0359 BELGIUM RTBF Brussels with multi-lingual ident including English, then French prgm from 0400, very good signal. Clark Mar 14
- 9649.9 0240 UNID possibly Emisora Ciudad de Montevideo on extended sched for 'Teatro de Verano'. Pr improving to fr at 0358 when Deutsche Welle opens on 9650. Mentions of Montevideo. Heard past 0500, not audible on subsequent days. Clark Mar 17
- 9705 0425 MEXICO Radio Mexico International vgd in English with full ident, then into Spanish at 0430. USB mode to avoid big het from Ethiopia 9704. Clark Mar 16
- 9730 0330 SRI LANKA SLBC 'All Asia Morning Show' ident, then syndicated religious prgm. Weak, mucxh better on parallel 15425. Clark Mar 17
- 9737.5 0302 PARAGUAY Radio nacional del Paraguay full ident in Spanish including SW frequency, good and clear. Clark Mar 14
- 9965 0300 ARMENIA R Yerevan, pr-fr w/multi-lingual IDs, Armenian pg. Ormandy Mar 13
- 11705 0335 CUBA Radio Havana very good in USB mode with 'Sports Magazine' then 'DXers Unlimited'. Parallel 9820 only fair. Clark Mar 14
- 11734 1825 TANZANIA Radio Tanzania Zanzibar in clear. Swahili talk though splash from Radio Philipinas 11730. ID 1900 but reception more difficult from this time. Clark Mar 18
- 11734.8 0155 URUGUAY Radio Oriental tentatively the Spanish sports commentary here in clear till covered by All India Radio's Pushto Service from 0213. Still just audible when AIR Dari Service continues from 0300 but lost around 0315. Clark Mar 17
- 11915 0232 BRAZIL R Gaucha, Porto Alegre, poor-fair w/two DJs and fast-paced char show. Other early afternoon Latins: Bandeirantes 9645 & 11925, Paraguay 9737, Aparecida 9630, XERMEX 9705, Gazeta 15325, Guaiba 11785, Tupi 9565. Ormandy Mar 13
- 13745 2130 IRAN Voice of the Islamic Republic of Iran very strong at sign-on in English to South East Asia & Australia. Clark Mar 15
- 15160 2010 ALGERIA Radio Algiers International very good strength in English with news. Parallel 11750.4 was poor, distorted. Clark Mar 15

- 15345 2204 ARGENTINA RAE Buenos Aires strong in Italian with full ident, frequency and programme schedule. Clark Mar 16
- 15355 0330 OMAN R Oman, fair signal in EE, sked 03-0400, running "English FM", lots of EZL English pops. Thanks to Ian Cattermole for the tip. Ormandy Mar 13 0315 Time pips then news in English. Good signal. Clark Mar 14
- 15476 1922 ARGENTINE ANTARCTIC LRA36 R Nacional, Baha Esperanza, fair signal w/tangos, slight fluttery fading with noticeable echo... multi-path back over the North Pole??? Ormandy Mar 13 15475.5 Easily audible 3 consecutive days till signoff around 2045, but missing Friday & Saturday. Clark Mar 14-16
- 15725 2044 CLANDESTINE (Uganda?) R Liberte, weak signal in French in USB mode, w/ mostly 11k though used a Celine Dion CD as background but had the level too high. Id at 2046 and traced through to close just after 2300. Ormandy, Clark Mar 17
- 25929.8 0437 COSTA RICA Radio for Peace International regular all-day in English. Still good and clear this late, with interview about Gonzales child tug-of-war. Clar Mar 17
- 25950 0229 USA KFXX Portland OR, with all-sports program "Look who's talking on The Fan" and "Sports Radio 9-10 The Fan" ids, ad for "Buster's Texas-style BBQ" Ormandy, Clark Mar 15
- 26425 0121 UNIDENTIFIED Latin American music & lively announcements in Spanish till 0135 close. Suspected TexMex location and Citizen Band operator. Clark Mar 17

## SHORTWAVE RECEPTION IN NEW ZEALAND – AN UPDATE by Cliff Couch

In my article on this subject published in the April 1997 Issue of the "NZ DX Times", based on "Shortwave Bandwatch" loggings reported over the three years August 1993 to July 1996, I indicated that the reception patterns for the 13, 16, 90 and 120 metre bands were tentative because of minimal data. Also, there was insufficient data to make any sort of meaningful plot of the 11 metre band loggings.

Thanks to Basil Jamieson and Alistair Sutherland of the North Otago Branch, who made available back issues of the "NZ DX Times", I have now been able to check the pattern of reception for each of these bands over a 12-year period (1988-1999). Hence the following comparison of the hours when signals have been heard (all times in UTC):

SW Band	3 Year Survey	12-Year Survey
11rn (26 mHz)	Insufficient Data	Mid-Summer: 1700 to 1230 April: 1800 to 1430 Mid-Winter: 2300 to 0700 October: 1800 to 1430
13m (21 mHz)	Mid-Summer: 1800 to 0900 Mid-Winter: 2100 to 0600	Heard 24 hours of the day
16m (17 mHz)	Mid-Summer: 1700 to 1100 Mid-Winter: 2000 to 0800	Heard 24 hours of the day
90m (3 mHz)	Mid-Summer: 0730 to 1730 Mid-Winter: 0400 to 2030	Mid-Summer: 0730 to 1730 Mid-Winter: 0300 to 2030
120m (2 mHz)	Mid-Summer: 1100 to 1700 Mid-Winter: 0800 to 2000	Mid-Summer: 0900 to 1730 Mid-Winter: 0730 to 2000

Data for the 11 and 120 metre bands, even over the 12 year period, is sparse in place, especially in the early morning hours. These bands will continue to be monitored to obtain more definitive reception patterns. With the exception of the 11 metre band, the transition in the limits of the reception times from mid-summer to mid-winter to mid-summer is approximately linear as is apparent in Diagram B of the original article. The zig-zag pattern of the 11 metre band reception is so different from that of all the other shortwave bands that it still must be regarded as tentative.

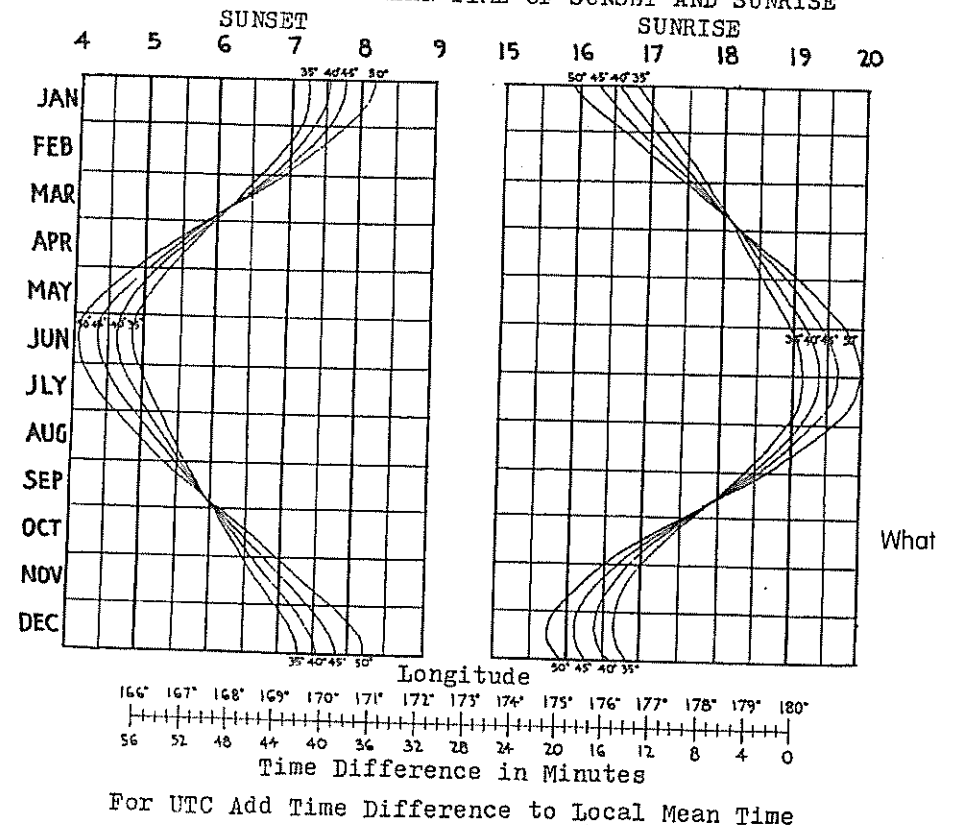
(Members wanting a copy of the original article and diagrams should send a self addressed envelope with two 40 cent mint stamps to "Shortwave Survey" c/o NZRDXL, P.O. Box 3011, Auckland)

## SUNSET AND SUNRISE IN NEW ZEALAND

by Cliff Couch

The time of sunrise became very much a matter of public interest as New Zealand geared itself up to welcome in the new millennium. For DXers, however, the times of sunset and sunrise have always been of particular interest as to a large extent the changes in the

DIAGRAM A: LOCAL MEAN TIME OF SUNSET AND SUNRISE



times of DX reception throughout the year relate directly to the changes in the times of local sunset and local sunrise. For example, we talk about the 60-metre band Africans coming in within one hour either side of sunset and sunrise, or South American medium wave stations being heard up to 2 hours before sunset mid year.

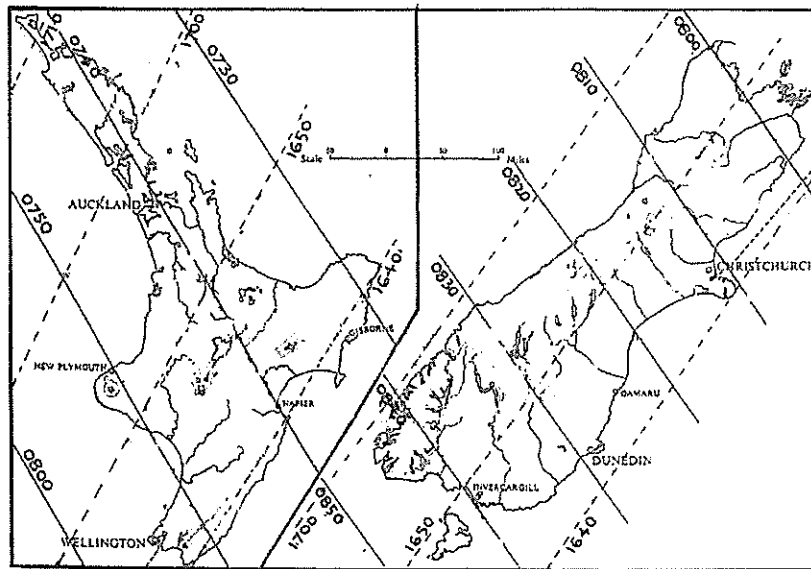
What time is Sunset/Sunrise? This question is easily answered in the main centres as the times of local sunset and sunrise are given day by day in the local newspaper. But, in the absence of sunset/sunrise tables, how do you get on in a more remote location like East Cape which has been used a number of times for DXpeditions?

Diagram A gives the means of obtaining a close approximation to the times of local sunset and sunrise anywhere in New Zealand at any time of the year. The curved lines on the graph show the Local Mean Time for each 5 degrees of South Latitude. The accompanying scale gives the time difference in minutes to be added to the Local Mean Time to obtain UTC. (For convenience, 0 hours Local Mean Time has been taken as midday to facilitate the conversion to UTC) For a given latitude and longitude at a given date, first plot where the interpolated value of the latitude falls at the given time of the month, then estimate the Local Mean Time from the hour values at the top. For the given longitude, read off the time difference from the scale and add it to the Local Mean Time to find UTC.

**Example: Sunrise at East Cape (37° 42' South, 178° 35' East) on 6 November.**

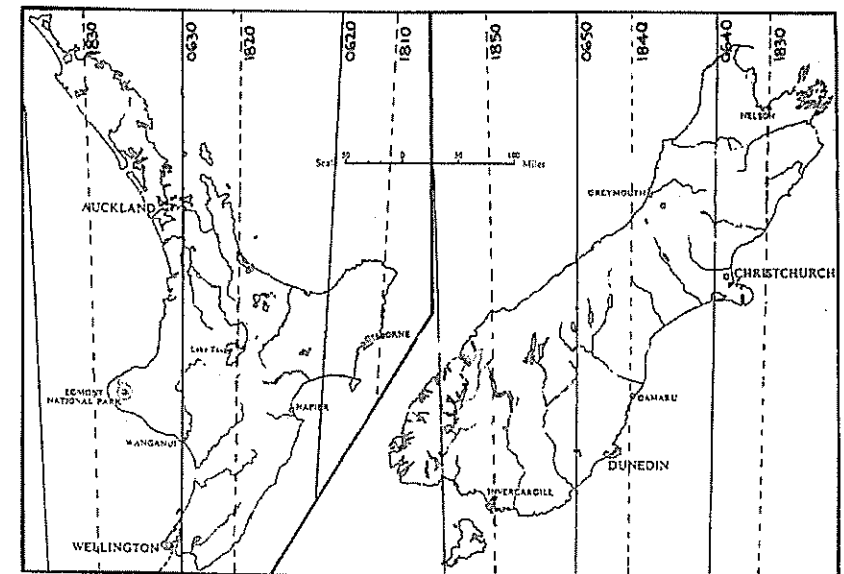
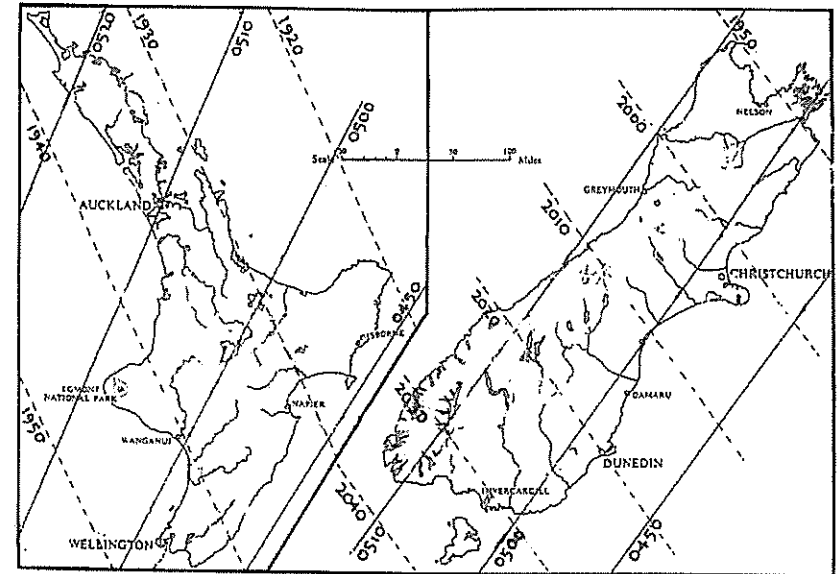
Local Mean Time from graph	16.50
Time difference from scale	+ .06
UTC of Sunrise	16.56
Value from Sunrise Tables	16.55

DIAGRAM B: TIME (UTC) OF SUNSET AND SUNRISE AT SUMMER SOLSTICE (DEC.22)



from one time of the year to another. These differences are illustrated in Diagrams B, C & D. Diagrams B and C show the times of sunset and sunrise at the summer and winter solstices respectively, while Diagram D shows these times at the autumn equinox.

DIAGRAM C: TIME (UTC) OF SUNSET AND SUNRISE AT WINTER SOLSTICE (JUN.21)



Sunset and Sunrise at Spring Equinox (Sep.23) 14 Minutes Earlier

### Surprising Time Differences

It is important to relate reception times to the times of local sunset and sunrise as there are surprising differences in these times from one part of the country to the other, and

In each diagram the unbroken lines crossing the country show the position of the grey line separating daylight from darkness at every 10 minutes of UTC at sunset. The 'broken lines show the same at sunrise. As the small correction needed to convert Local Apparent Time to Local Mean Time, hence UTC, has a different value at the spring equinox, the times of sunset and sunrise at that time of the year are 14 minutes earlier than those shown for the autumn equinox. To obtain the time of sunset and sunrise at a particular place in New Zealand on Diagrams B, C & D, interpolate the value of UTC for the position on the map from the nearest time lines, e.g. sunset at Oamaru at the summer solstice will be at 0824 and sunrise will be at 1644 (UTC).

The differences in times of sunset and sunrise between places in New Zealand are greatest at the solstices when the sun is overhead at the respective tropics and the inclination of the grey line to the meridian is at its maximum. At the equinoxes, when the sun is overhead at the equator, the grey line is parallel to the meridian and the differences in times of sunset and sunrise between places are equal to the time equivalents of their differences in longitude. For example, it will be seen from Diagrams B, C & D that, at the summer solstice, the sun sets 1 hour 07 minutes later in Invercargill than in Gisborne. This difference reduces to 0 hours 40 minutes at the autumn and spring equinoxes, and again to 0 hours 12 minutes at the June solstice. The times of sunrise vary conversely.

## Sugar Island Radio *with David Ricquish, Wellington*

It's hard to hear a radio station from there, but you can have a taste of Mauritius during your next DX session. Much of the brown sugar available in your local supermarket comes from Mauritius, an Indian Ocean island about 8 hours flying west of Perth.

Older DXers will remember hearing the SW service, sadly no longer on air, and these days you'll need excellent luck to hear one of the 4 MW transmitters using no more than 1kW.

You can have better luck with live audio from Sugar FM, and enjoy a curious mixture of English, French and Hindi music, advertisements and local news and weather. If you're planning a holiday there (Air Mauritius flies regularly from Melbourne and Perth), check the weather before you go.

### Mauritius Broadcasting Corporation

The national broadcaster is the Mauritius Broadcasting Corporation, established on June 8 1964 and with 500 staff providing radio and TV programs for the island and its dependencies.

Broadcasts are in French, English, Hindustani, Creole, Chinese and various other Indian languages. Educational programs are produced by the Mauritius College of the Air.

### Radio Maurice began in 1927

Radio broadcasting began on August 9, 1927. Mr Charles Jollivet broadcast from his home in Beau Bassin as 'Radio Maurice', using a 1kW MW transmitter, 2 record players and a carbon granule microphone. He later moved the station to the attic of the Plaza Theatre in Rose Hill. The station broadcast for 2 hours a day with music and news.

### Societe des Radiophilles

Ten years later, in 1937, Mr P. Adam began broadcasts for the 'Societe des Radiophilles' using a 60w Phillips transmitter on 42m. The station also started in his home in Forest Side,

and moved later to the Town Hall in Curepipe, the main government center on the island.

### France Libre d'Outremer

With the outbreak of World War II, the British Ministry of Defence commandeered both Radio Maurice and Societe des Radiophilles. In late 1939, a new station also began broadcasting, with delegated authority from General Charles de Gaulle. Known as 'France Libre d'Outremer' and operated by Messrs H Montocchio and F M d'Unienville, it broadcast from near the Highlands sugar factory. It used a secondhand 1kW SW transmitter obtained from the South African Broadcasting Company.

### Mauritius Broadcasting Service

In 1944, the MBS was established as part of the government Public Relations Office. It took over France Libre d'Outremer and Societe des Radiophilles, and merged both stations, initially broadcasting from the former Radio Maurice studio in the Plaza Theater, Rose Hill. In 1945, new studios were opened at the Teachers Training College in Forest Side. Daily morning, midday and evening transmissions took place on a 1kW SW transmitter converted to MW at 225m.

### Shortwave

Later, a 10kW Phillips SW transmitter broadcast on 4.850kc and 9.710kc and relays of the domestic service were broadcast to Rodrigues Island and other dependencies of Mauritius colony. These ceased in the 1980s because the transmitter was old and no spare parts were available. SW is now regarded as too expensive, with erratic reception, and unnecessary since a MW transmitter was installed on Rodrigues Island.

### Current Broadcasts

MBC broadcasts the RM1 program on 684kHz MW with 1kW from Malherbes, the RM2 program on 819kHz MW with 1kW also from Malherbes, and Radio Rodrigues from Citronelle on 1206kHz MW with 1kW.

There is also a 24 hour BBC World Service relay transmitter at Bigara, on 1575kHz MW with 500 watts.

There are 3 FM services: Sugar FM, Planet FM and FM Sansar. All operate from Malherbes, Signal Mountain and Jurancon with powers ranging from 500w to 1kW.

### Website

The MBC website is found at <<http://www.mbc.intnet.mu>><http://www.mbc.intnet.mu> and includes local weather, evening news, a video clip of the history of radio on the island produced by MBC-TV, a live audio link to Sugar FM/RM1 and information about radio and TV services including much of the data included in this article. The contact details are: MBC, 1, Louis Pasteur Street, Forest Side, Mauritius. Tel (+230) 675 5001 Fax (+230) 675 7332 and email address is: <[mailto:mbc@intnet.mu](mailto:mailto:mbc@intnet.mu)>[mbc@intnet.mu](mailto:mbc@intnet.mu) .

### Mauritius Information

If you want to know more about Mauritius, you can contact in New Zealand: Consulate of the Republic of Mauritius, PO Box 22244, Auckland T: (09) 276 3789 F: (09) 276 3342 email: <<mailto:uacadmin@wave.co.nz>>[uacadmin@wave.co.nz](mailto:uacadmin@wave.co.nz) and in Australia: High Commission for the Republic of Mauritius, 2 Beale Crescent, Deakin, Canberra ACT 2600 T: (02) 6281 1203 F: (02) 6282 3235 email: <[mailto:Mauritius@caber.net](mailto:mailto:Mauritius@caber.net)>[Mauritius@caber.net](mailto:Mauritius@caber.net)

## 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)*.

The NZRDXL is administered from Auckland by:  
**NZRDXL AdCom, PO Box 3011, Auckland**  
Patron - Jack Fox

president@radiodx.com - Barry Williams  
National Secretary - Evan Murray (Tel. 09 483 9543)

vice.president@radiodx.com - Bryan Clark  
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