



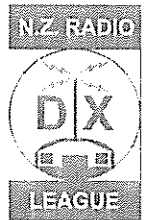
New Zealand DX Times

Monthly journal of the

New Zealand Radio DX League (est. 1948)

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<http://radiodx.com>



talkback@radiodx.com with David Ricquish, Wellington

Richard D'Angelo, Wyomissing PA checks in with news about the site for the Danish SW Club International mentioned last month: the Danish club split from the Nordic Shortwave Center (<http://www.nordicdx.com>) over distribution of the electronic weekly newsletter DX Window. Since then, DSWCI has established its own site at <http://www.dswci.dk> and the DX Window hasn't returned as an electronic supplement to the monthly bulletin, DX News. The Nordic Shortwave Center site, including the valuable information mentioned by Ken, is now affiliated with Hard-Core DX.

Ken Baird, Christchurch meantime, provides the following update: Nordic DX have now combined with Hard-Core DX for an excellent site at <http://www.hard-core-dx.com> and this is really good. Retains all the good technical info from the Nordic site whilst adding all the latest DX news.

Also, [ilgradio.de](http://www.ilgradio.de) has now changed to <http://www.ilg.de/> and is one of the very good radio sites on the web which I check out regularly. Also found a new site with a complete list of all EE broadcasts over the whole 24 hour period. It's <http://www.dxing.de/indexenglish.htm> and is very, very complete. Makes my efforts look insignificant. Getting some good feedback on Talkback. It's the first part of the magazine I read each month!

Paul Friedrichs, Auckland is a new contributor this month. He writes: I'd like to express my appreciation, and thank Yuri Muzyka for his 'Shortwave in Time Order', well done! Also my thanks to all the contributors. Whilst I'm at it, I'd also like to thank Evan Murray for his 'Utilities' contributions. Thanks Evan. (Thank you Paul, these are welcome words of encouragement).

Talking of Utilities, World's Airlines Fight for Radio Frequencies is the header for a recent article in 'Airwise News' which discusses a new threat to airline frequencies. The changes, which would allow mobile telecommunications services, including personal telephones into bandwidths until now used only by airlines and their support operations will be discussed at a UN conference in Istanbul, beginning May.

Find the full article at <http://news.airwise.com/stories/2000/03/954326822.html> and subscribe to free daily aviation news at <http://www.airwise.com> to stay on top of the issue in coming months.

John Peterson, Christchurch is GM of 88Country. Originally from Oregon, John is currently under persuasion to join the club. In the meantime he writes: a new Christchurch station begins broadcasting in early June on 1017 AM. They have a 2.5kW transmitter and

Contribution deadline for next issue is Wednesday May 3rd - PO Box 3011, Auckland

will share the site at Marshland currently used by Rhema (3XG 612) and 88Country (1593). Incidentally, we now own the 1593 AM frequency. It was sold to us by UCB. They don't normally give up their frequencies, but they've done so in this case.

(Thanks John. 88Country has just entered the Christchurch ratings with a 1.1% share which should increase now the AM transmitter is in use)

Struggling with foreign language DX reports? Those with web access can check out <http://www.freetranslation.com> and have some fun. You write your reports in English, simply choose the language you want (Spanish, French, Italian etc) and up pops the report in the language you've chosen. It's free. It's not perfect. It should give the station a lot of laughs. But, they'll understand you're an idiot who listens to their station thousands of miles away, and when they pick themselves off the floor, you may luck a QSL. Seriously, the translations are workable. (I wonder if they have one in Bahamian for my ZNS reports?) (big yawn - CE).

Another station not exactly famed for replying to DX reports is Radio Fiji. The Fiji Broadcasting Corporation which owns them, seems to have been renamed Island Network Corporation Limited. Address remains PO Box 334, Suva and network IDs are now for the Bula Network. This news and other Pacific radio news can be found at <http://www.piba.org> the website for the Pacific Island Broadcasting Association.

In related Fiji news, Radio Pasifik 88.8 FM student radio at the University of the South Pacific stays on air after the Students' Association paid US\$12,000 debts to the USP Media Centre. You can find the story at <http://www.usp.ac.fj> and it's increasingly typical of problems facing Pacific radio today. Freedom of media expression is a rare quality in the Pacific islands. Talkback radio hosts in particular are having a tough time in Fiji.

Jack Searle, Haumoana, Hawkes Bay is our 'birthday boy' this month! Whilst providing details about Radio Kidnappers (for our SPDXR project) he also writes: DXing has almost been a non-event in the past month with an almost total lack of enthusiasm on my part. This happens from time to time, and then I recover and take-off again! Last year, I filled 5 1/2 pages of my Log Book with reports sent, but so far this year, the total is 15 sent so it's little wonder that the returns are almost nil. My excuse is old age! I'll be 80 in a few weeks time! In the meantime, all best wishes. Happy Birthday from all the DXT team Jack, and thanks for your continuing pithy comments and support of the club! Many happy returns!

Chris Mackerell, Wellington checks in again: I see some other sod has found CBC (Cyprus Broadc.Corp) on the net! Guess I can blame you for the 'net congestion' from now on...I have to admit all three Cyprus channels on the net are pretty good in terms of audio quality, and they make a nice change from the boring stuff on the airwaves here! Chris has a radio related site at <http://www.owdijim.gen.nz> for those interested!

Meanwhile, back in Fiji the University of the South Pacific has plans to broadcast regionally via USPNET 2000. You can already hear Radio Pasifik (see story above) on-line. This is an integrated voice/data/video system allowing live lectures from three campuses. By 2007, 50% of students will be Distance Learning. Pasifik Nius also reports that local rebroadcasts (AM, FM and SW) are possible from any of the participating states once the system is fully operational.

For now, regular island-wide power blackouts (Fiji) threaten the plans, and when lightning wrecked the Vanuatu transmitter recently, it stayed off until technicians reached there from Suva. Power supplies are a major problem for Pacific radio. Net reports of 'superpowered' SW transmitters at places like Wake Island overlook difficulties shipping xmitters and generators and finding an economic and regular supply of diesel oil!

Arthur Williams, Invercargill writes: I'm still doing repair work on the old radios as time permits. I'd like to offer my services to NZRDXL members. I also have a few of the older valve sets available for sale. I'm running out of space, so getting rather selective in what I collect myself now. I've been collecting HMV radios, the more unusual and rarer models. With the ongoing popularity of the net, I wonder what the future can hold for DXing as a hobby. Thanks Arthur, we hope you rejoin the club shortly. Contact Arthur at: Georgetown Radio, 26 Centre Street, Invercargill or over the air at ZL4TIS.

Blair F Smith, Rockhampton, Qld recently wrote to 2YB Access Radio reporting reception and commenting: Re the call 2YB, I had wondered what had happened to 1YA etc - probably the same as our ABC - 2BA is now Radio South East, but so is 5MG. Confusing? When I rang and asked where ABC Radio Carpentaria was, no-one could tell me! I'll try and listen from time to time, I'm probably one of your most distant listeners. (Access Radio Relay) Perhaps a Qld member could invite Blair to join the club!

Chris Martin, Brisbane, Qld reports on some recent Aussie DX: Sam Dellit and I went out on April 7 to Cudgen Beach, far north NSW, 1 and 1/4 hours drive from Ormeau. We ran out 300m at 80deg mag. Latin signals on 60 and 90mb blew us away. We didn't have a MW antenna pointing at Latin America though, and MW was on the nose. Also, Harry Weatherley and Brian Dodgson were DXing at Cape Conran/Marlo (Vic) on April 6. Again, MW was no good, but 60/90mb Latins were excellent, with many Brazilian stations heard. Great to see such activity Chris. Dave Onley has also been out and about near Melbourne.

Our Pacific News concludes this month with: Tahiti-nui TV (TNTV) launching free-to-air TV on June 29 from Papeete. Channel still to be allocated, TNTV is 70% owned by the local government, 30% by investors. This will be TV for Polynesians' says French Polynesian president Gaston Flosse. Aitutaki TV (Cook Islands) is run by local businessmen who broke into the padlocked station recently. Now given the facilities by the government, the station runs mostly advert free programs received via satellite. Full details at <http://www.pidp.ewc.hawaii.edu> and their Pacific Report (excellent daily news).

East Timor has Radio Falintil 88.1 FM in Dili operated by former resistance fighters. They plan to change name to 'Radio Vos de Esperanca' and may activate on SW as many East Timorese have SW radios. More details: <http://www.usp.ac.fj>

Next month we'll hear some reminiscences from George Beardsmore (Mosgiel) and problems of DXing at altitude in Northern California with Paul Aronsen (Invercargill) as our mailbag overflows this month. Keep those letters and e-mails rolling in!

In the meantime, move over the Three Tenors, here come the Three Davids! Bringing you South Pacific DX Report from Dunedin is David Miller, every second Sunday at 8:30pm in his NUU Country program on 4XS Hills AM 1575 Dunedin; in the capital, David Ricquish introduces the show during Jazz Jottings every second Saturday at 4:15pm on 2YB Access Radio 783 Wellington; and the latest addition to the network is David Norrie every second Friday at 1:05pm on 1XU Access Radio 810 Auckland. 1XU's daytime signal covers all the Auckland metro area, and reaches into Northland and the Waikato/BOP.

Paul Ormandy's SPDXR is now almost nationwide and you don't have to be called David to host the show on your local community station. Plains FM in Christchurch have agreed to carry the show too, we just need a local member to host the program, and for local members to club together to cover the small charge every two weeks. Contact me if you can help bring shortwave radio news to the Christchurch area and gain valuable publicity for the club and the hobby.

This month, my station of the month is KLVE-FM Los Angeles. One of the top rating stations in LA, this was one of my favorites when cruising the freeways during my 4 years living in LA! It's all Spanish, with 'musica romantica' and some of the top Latin music acts on radio today. Every May 5 they help sponsor the 'Cinco de Mayo' celebrations (Mexican Independence Day) known as 'Fiesta Broadway'. This is a massive, free, outdoor concert with multiple stages. We went along and heard Luis Miguel, Pandora, and Brazilian superstar Xuxa. Hear them this year, at <http://www.klve.com> and enjoy 'K-Love, Radio Amor' without the cost of a plane ticket to LA. (You'll need Windows Media Player, download at the site)

Radio Amor has been in the air for Andy Gardner and Ana, married in Mexico this month; and also for David Miller, planning marriage in the Philippines this month. Well done gentlemen. Enjoy. Ciao.

editorial@radiodx.com with Andy Gardner, Mexico

Loads of special articles to try and squeeze in this month so I'll keep it short and sweet, as per usual. Sorry about the delay getting this issue out - these things tend to happen when you have your wedding and honeymoon right around the date you usually put the magazine together. Hopefully this will be a oncer! It certainly was a very enjoyable time and thanks to all of you that wished us well. Hopefully you will get to meet Ana one day soon.

The number of extra articles we are receiving for publication is very pleasing, and I hope that they will continue to arrive, as it makes the magazine all the more interesting to read, apart from those boring columns that Mr Liquorice and that funny looking DXer from down south put together, of course. That's enough stirring for one month - see you in May!

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

Welcome to this month's edition. The new broadcasting season, A00, started on March 26 so there are lots of new frequencies for the northern summer period. All times in UTC (Universal Time), and frequencies in kiloHertz. Sources: DXLD - Glenn Hauser's DX Listening Digest; Cumbre - Cumbre DX; BCDX - Wolfgang Bueschel's Worldwide DX Club 'Top News'.

AFGHANISTAN Voice of Sharia Russian DXers confirm broadcasts in Russian commenced Mar 7 between 1630-1700 on 7074v. Station announces 7000 and 1107. Reception is poor, with a lot of ham interference. Poor modulation doesn't help either. (Sergei Sosodkin, via Johnson in Cumbre)

ALASKA New season schedule for KNLS, Anchor Point: English 11780 0800-0900, 9615 1300-1400; Russian 9615 0900-1000 & 1100-1200, 11780 1700-1800; Mandarin 9615 1000-1100 & 1200-1300 & 1400-1700 (KNLS)

ALBANIA New schedule for Radio Tirana in English: 1830-1845 7180, 9510; 2130-2200 7130, 9540; 0145-0200 6115, 7160; 0230-0300 6115, 7160. Albanian 2300-0200 6090, 7270; 0200-0330 6090, 7270. (Station, via Volker Willschrey, DXLD)

ARMENIA Trans World Radio via Kamo, for Central Asia: 0030-0045 daily Kazakh 6240; 0045-0100 daily Korean 6240; 1625-1640 daily English 5895; 1640-1655 Fri-Sun Turkmen 5895; 1640-1655 Mon-Thu Kirgiz 5895; 1655-1710 daily Uzbek 5895; 1710-1740 Sun Tajik 5895 (IWR)

BELGIUM RVI has introduced a new English service for East Asia/Australia at 1130, on 9865 via Petropavlovsk-Kamchatka in Russian Far East. Providing good reception here in Canberra. Other times for English (Brussels Calling) 0400 15565 (via Bonaire); 0700 5985;

1730 5910, 9925, 13710, 17735; 1930 5960 (Julich); 2230 15565 (Bonaire). RVI in Dutch to Australasia 1200-1230 on 9865 (via P.K), 17690 (Tashkent). (RVI)

BULGARIA Radio Bulgaria in English: 0200-0300 9400, 11700; 1100-1200 15700, 17500; 1900-2000 9400, 11700; 2100-2200 9400, 11700; 2300-0000 9400, 11700 (Ivanov, BCDX)

CANADA Just for the record, here are the details of the new Voice of Vietnam relays via Sackville, from the RCI Engineering department: 0100-0259 on 9695 with 250 kW on 268 degrees; 0300-0359 on 9795 with 250 kW on 227 degrees; 0400-0459 on 9795 with 250 kW on 227 degrees. For the record, the target for all of these is listed as the USA. (Westenhaver, via Cumbre)

CLANDESTINE National Radio of the Saharan Arab Democratic Republic has reactivated on 7470 and has been widely heard in 2100-2300 and 0700-0800 period in Arabic and Spanish. Believed to come from transmitters in Algeria, beamed towards Morocco. (Various sources) The station is operated by the Western Saharan exile government, and believed to originate from either Algeria or Morocco (Clandestine Radio Intel) 7470 2305 ID "Esta es Radio Nacional de la Republica Arabe Saharawi" in Sp, then w/nx. (Yimber Gaviria, Colombia via BCDX, Apr 1)

DEMOCRATIC REPUBLIC OF CONGO Radio Liberte on 15725usb is a new clandestine station, broadcasting from Gbadolite in the extreme north west of the Democratic Republic of Congo. Station is on air from 1800-2300 approx. Programming in French and Lingala, with African/US/European pop music/Several clear IDs in French heard around 1830 followed by talk in presumed Lingala. The last half of the broadcast seems to be mostly continuous music - both African and US/European. (Various)

ECUADOR HCB has moved to 15160 for English to Europe 0600-0800 (Francis)

GUATEMALA A new station, discovered by Glenn Hauser, 4052.5, Radio Verdad, in the 1145-1230 time range. (DXLD)

HAWAII Que Huong Radio is now broadcasting according to the following schedule: Monday to Saturday 1300-1359 9930, Monday to Saturday 2300-2359 17510, Web: www.quehuongmedia.com. Radio Free Vietnam has extended from 30 minutes to 1 hour: 1500-1600 9930. Web: www.rfvn.com (Maes, Apr, Cumbre) All via KWHR (Francis)

HUNGARY Radio Budapest in Hungarian to Australia 1000-1100 21560 (also on 6025 to Europe), moves to 1100-1200 Sundays, and 2100-2200 11890. English at 0100-0130 9560; 0230-0300 9835; 1900-1930 6025, 9750; 2100-2130 6025; 2130-2230 3975 (Andreas Volk, ADDX via BCDX)

JORDAN Radio Jordan on new 17680 in English 1100-1300, then to 11690 1300-1730. (Tony Rogers, British DX Club, via DXLD)

MALTA Voice of the Mediterranean via relays in Russia (R) and Italy (I): Mon-Thu 7150(I)0500-0530 Italian, 0530-0600 Arabic, 0600-0630 English; 12060 (R) 1900-2000 English, 2000-2100 Arabic. Fri only 7150 (I)0500-0530 Italian, 0530-0600 Arabic, 0600-0630 English, 12060 (R) 1900-2100 Arabic. Sat 7150 (I) 0500-0530 Italian, 0530-0600 Arabic, 0600-0630 English; 12060 (R) 1900-2000 English, 2000-2100 Arabic. Sun 17570 (R) 0500-0600 Japanese, 11770 (I)0700-0800 Italian, 0800-0900 English, 0900-1000 Maltese, 1000-1100 French, 1100-1200 German; 12060 (R) 1900-2000 English, 2000-2030 FF, 2030-2100 German (BCDX)

NETHERLANDS New times for 'Media Network' 1000 to the Pacific and Far East on 9795, 12065 and 13710; 1130 to Europe on 6045 and 9860; 1500 to Asia on 9890, 13075 and 15590; 1800 to E/S Africa on 11655, 7120 and 6020; 1930 to W/S Africa on 6020, 7120, 9895, 13700, 17605 and 21590; 2100 to Europe on 1512. The show also has two releases on Fridays

(though still Thursday evening in North America) at 0000 to East and Central USA/Canada on 6165 and 9845; 0500 to Central & Western USA/Canada on 6165 and 9590 (RN)

PAPUA NEW GUINEA Radio Western Highlands, 3375, is off air for an indefinite period according to a report in today's "National" newspaper in Port Moresby. Staff are demanding the provincial government provide 24-hour security and replace vehicles stolen by thieves. In the latest incident, the station manager and driver were held up at gunpoint at a roadblock and their vehicle was stolen. Two vehicles were lost to thieves last year, and the transmitter was vandalised. Thieves also broke into the station manager's office. (Francis)

PERU Some recent loggings via Cumbre summarised: 4515.7 Radio Amistad 2340-2352 (Veldhuis, Mar 12); 4750.1 Radio San Francisco Solana 0219-0257 (Mohrmann, Mar 10); 4790 Radio Atlantida, Iquitos 0155-0203 (Veldhuis, Mar 15); 4824.4 Radio La Voz de la Selva 1128-1150 (Kanai, Mar 11); 4904.73 Radio La Oroya 1035-1046 (Kanai, Mar 11); 5025 Radio Quillabamba 1155-1236 (Arrunategui, Mar 11); 5300 Radio Superior (pres) 1018-1116 (Norrie, Mar 11); 6520.23 Radio Paucartambo 1026 (Norrie, Mar 11); 6895.4 Radio San Miguel 1033 (Norrie, Mar 11)

PHILIPPINES English from FEBC will cease around June-July - they have dropped their 0930 broadcast. Now only at 1300-1500 11995, 0000-0130 15175. (Various)

RUSSIA Voice of Russia world service in Russia, summer schedule: to Australia/NZ/Pacific 1200-1300 9945, 15510, 15460, 15560, 17610; 1300-1400 9945, 15510, 15560, 17610 (Johnson, Cumbre) Radio Chechnya Svobodnaya's new schedule is: 0200-0500 and 1330-2000 on 7335; 0200-1700 on 12045; 0530-1400 on 15620; 1730-2000 on 9940; via St. Petersburg (Jan Nieuwenhuis, DX Hotline, via DXLD)

SOUTH AFRICA/UNITED KINGDOM World Beacon African Service is a new African-American inspired gospel broadcaster via Meyerton. Schedule: 1600-1800 6145. Also on 9675 1800-2200 via Rampisham, UK. Their web site is at www.worldbeacon.net; email reception@worldbeacon.net, or by post to 2251 St John's Bluff Road, Jacksonville, Florida 32246, USA (Francis)

TAIWAN Relay of RDP, to East Timor in Portuguese and Tetum: 1000-1100 11550, 1400-1500 15345, 2200-2300 11550 (RDP) Radio Australia's off-shore relay from CBS will continue until at least mid-Aug 2000. This service is in Bahasa Indonesia and is broadcast daily at 0900-1000 and 2300-0000 on 11550. The target regions are Sumatra and Java (RA, via Richard Jary, BCDX)

USA New schedule for VOA "Communications World" to East Asia and Pacific - 0133 on 7115 9635 11705 11725 11820 13650 15250 17740 17820; 0933 on 11775 13610 15150 (all via Tinian); 1333 on 6160 9645 9760 15160 15425; 1733 on 6160 7125 9645; 2133 on 9705 11870 15185 17735 17820 (esp. for the Pacific)(VOA)

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

Having had a request from three members I would like to hear from other members for their opinions on this subject. Should Pirate short-wave stations be included in contention for the best of month awards? Some things make me personally feel that they shouldn't. I find it hard at times to believe their stated power - like ham operators years ago who used to state one power and run on another to try and fool the inspectors. Also they are more like ham radio operators than shortwave international broadcasters. Please let me have your opinion. Well on with the months mailbag.

First up is our old friend Jack Searle, Haumoana with them back from Amateur Radio Mirrors International via Meyertown South Africa 21530, Radio Nederland via Bonaire 17605, Deutsche Welle via Tricomalee 17560.

Paul R Peacock, Blenheim has Radio France International 11615, CRI via Spain 9690. Arthur de Maine, Wellington also has three back RVI Belgium 11980, Radio Slovakia 11990, Radio Japan 11850.

Leigh Morris, South Australia has them in from Libya Radio Jamahiriya 15435, Radio Africa Equatorial Guinea 15185.5, Radio Vilnius 9710, Radio Ethiopia 7165

Lindsay Robinson, Invercargill has one in from Radio Cairo 9990.

Paul Aronsen, Invercargill has Radio Vlaanderen 11980. Speedy recovery Paul.

Robert A Park, Lower Hutt shows us how with veries in from Radio Prague 15255, KSDA 11980, Radio Japan 17835, RNZI 17690, Radio Vlaanderen 11980, WSHB 12020, 15665, Radio Maryja/ Samara 12010, Deutsche Welle 25740, HCJB 11755. Well done Robert.

Ian Cattermole, Blenheim with another big list. Radio Continental 5370, V.O.I.R.I. 7190, High Adventure Radio 11515, Radio Portugal 11980, 21800, 13755, 21840, 11800, Israel 11590, Radio Singapore 7235, 9590, 6150, 9665, VOA Iranawila 15340, 21510, VOA Ascension 17885, AWR FORLI 7260, RCI Skelton 11980, RCI Sackville 6045, Croatia 5900, RFE/RL Morocco 11915 [EM], RFA via KWHR 9930, Galei Zahal 15785, Radio Taipei 9355, Radio RSG 6015, FEBA 15530, Radio Pakistan 21460 [EM], Radio Rossi 7210, 7440, CRI 5145, Radio Pilipinas 11730

BEST OF MONTH

Under 9MHz AWR Forli Italy 7260 2.5 kW Ian Cattermole.

Over 9MHz Amateur Radio Mirrors South Africa 21530 250kW Jack Searle



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
3210	0750	USA, WWCR in EE with prgm on health issues, fair signals most nights — PGA
3287	1836	MADAGASCAR, RTV Malagasy v weak with music prgm // 5010 — pGA 24/3
3335	1745	TAIWAN, CBS in Chinese with EE ID at 1800 — PGA 24/3
	1854	TAIWAN?? CBS Taipei?? Fr CC, pop mx, possible ID "Taipei" at 1900 - KVB 31/3
3380	1849	MALAWI, Spoken prgm and noisy often — PGA 25/3
3912	1614	?? clandestine, unknown dialect, possibly V.o. the People, Sth Korea - TTS 16/3
3925	0926	JAPAN, R Tampa fair in JJ w/ ads, phone-in, ID 0959//6055 fair - KVB 25/3
3935	0840	NZ, ZLXA in EE with developments after WW2 — KAB 8/3
3955	0632	UK, BBC WS fair in EE with news and sport, ID 0634 — KVB 6/3
3960	1629	CHINA, PBS Urmigi in Chinese, s/off at 1756 — PGA 13/3
3965	1845	UK??? R Taipei Intl moderate in EE with Mailbox and comment about recent elections, ID 1846 - KVB 25/3

3970 1700 HUNGARY, R Budapest with s/on with weak signal — PGA 13/3
 4770 1800 NIGERIA, R Nigeria fair in EE with ID — BML 13/3
 4788.70930 INDONESIA, RRI Fak Fak with ID and radiograms. Station has returned after being silent from protesters in studio earlier this year — LM 24/3
 4800 1920 LESOTHO, weak with spoken prgm — PGA 25/3
 4800.5 0945 MEXICO, Xerta Radio poor in Spanish with IDs — BML 14./3
 4825 0650 BRAZIL, R Cancao Nova poor/fair in Portuguese, ID 0658 — KVB 18/3
 4835 0819 AUSTRALIA, Alice Springs fair in EE with music and mention of Alice Springs and Tennant Creek, off at 0830 — KAB 8/3
 4890 0803 PNG, Port Moresby v good in EE with weather report and music — GYM 18/3
 4890 0830 PNG, Port Moresby fair in EE with local news after ID — KAB 8/3
 4903 0702 CHAD?? R Nationale?? Fair in French w/ mx & comment, some QRN - CC 29/2
 4919 0650 ECUADOR, R Quito fair in Spanish and music, ID 0659 — KVB 19/3
 0900 ECUADOR, R Quito with ID in Spanish with news and commercials. Very strong but distorted audio — LM 24/3
 4925 1630 INDONESIA, RRI Jambi good with s/off at 1656 — PGA 14/3
 4950 1907 SAO TOME, VOA relay poor in EE with comment about Sth Africa, ID 1926 - KVB
 4950.2 0850 ECUADOR, R Baha'1 Otavalo with music and canned ID in Spanish, 0905 prgm continues in Quecha — LM 23/3
 4960 0755 VANUATU, R Vanuatu good in Bislama, ID 0756 — CC 16/3
 0835 VANUATU, R Vanuatu fr in Bislama w/ local news, wx, strong het - KAB 9/3
 4965 1834 ZAMBIA, R Christian Voice in EE, there most days — PGA 21/3
 1916 ZAMBIA, R Christian Voice poor in EE with sports and music, ID 1930 — KVB
 4970 1759 PAKISTAN, R Pakistan fair signal and s/off at 1809 — PGA 13/3
 4976 1910 UGANDA, R Uganda weak with songs and music — PGA 26/3
 5005 1645 NEPAL, fair with music, s/off at 1715 — PGA 8/3
 5009.5 1659 MALAGASY REP, R Madagascar fair/moderate in French with news and music, ID 1702 as RTV Malagasy — KVB 17/3
 5020 0800 SOLOMON IS, SIBC good in EE with T/S then ID and news at 0800 — CC 16/3
 0819 SOLOMON IS, SIBC gd EE ID 0819, job advert for tech at SIBC, - GYM 18/3
 5030 0850 COSTA RICA, University N/W with Dr Gene Scott using old AWR facilities, fair // 6150 better — IC 22/3
 5035 0735 BRAZIL, R Aparecida fair in vernac/Spanish with relig prgm, IS 0801 followed by prgm in Portuguese — KVB 1/3
 5039.2 0952 PERU, R Libertad poor with huayno music and comment in Spanish - LM 24/3
 5050 1855 TANZANIA, in EE with ID at 1900 etc — PGA 28/3
 5070 0758 USA, WWCR fair in EE with ID at 0758 — GYM 18/3
 5300 1018 PERU, R Superior with natl anthem at s/on improving to peak signal at 1050, ID at 1022 with hum from 1116 — DN 11/3
 5900 1828 FRANCE, RFI good in French with comment on Kosovo, ID 1830 — KAB 9/3
 5920 1856 SLOVAKIA, R Slovakia Intl good in EE, ID, nx headlines //6055 as gd - CC 31/3
 5935 0825 USA, WWCR fair with relig prgm in EE — KAB 8/3
 5950 0747 USA, R Taipei Intl good in EE with Let's Learn Chinese — CC 29/2
 5955 1759 NETHERLANDS, RN with news etc, fair — PGA 17/3
 5970 0840 BRAZIL, R Itatiaia good and regular in Portuguese — IC 6/3
 5975 1910 STH KOREA, RKI fair in EE with repeated ID // 7275 worse, bad QRM - CC 31/3

2000 SINGAPORE, BBC WS v good in EE with News Hour — RP 12/3
 5980 0820 USA, R Marti good in Spanish with jamming, comment and music — KAB 8/3
 1805 GERMANY, DW v good in RR, news of American primaries, ID 1814 - KAB 9/3
 5985 2015 CONGO, R Congo good with comment on food problems in Africa, 2056 ID then into rap music — LM 26/3
 5995 0635 MOROCCO?? VOA v good in EE //7170 off air at 0700 — GYM 18/3
 6015 0548 AUSTRIA, ORF fair in EE with music after ID at 0548, comment on electric car project — KAB 8/3
 6040 0540 ITALY, RAI poor with EE pop music, QRN & QRM, in Italian, ID 0547 after comment - KAB 8/3
 6045 0600 CANADA, RCI v good in EE with news — IC 29/2
 2015 ZAMBIA, ZNBC fair in Shona with Radio Two ID followed by news — LM 24/3
 6055 0540 SPAIN, REE v good in EE with Press Review — KAB 8/3
 6060 0830 ARGENTINA, R Nacional good in SS with comment after ID 0835 - KAB 17/3
 1006 ARGENTINA, R Nacional in Spanish with firm ID over bubble jammer directed at R Marti — DN 27/3
 6065 1935 SWEDEN, R Sweden good in EE w/ 60 Degrees North (A00 Schedule) - CC 31/3
 6070 0804 CHILE, Voz Christiana v good in SS with singing and ID on hour - RP # 12/3
 0811 CHILE, R Voz Christiana good in SS with male singer, female with ID - CC 16/3
 6090 0740 ANGUILLA, University N/W, Dr Gene Scott with sermon on love after prgm and reception details in EE — PRP 16/3 #
 6100 0500 GERMANY, DW good in German with news and singing, ID at 0528 — RP 29/3
 6115 0705 PERU, R Union good in Spanish with ID and lively latin music — CC 19/3
 6130 0720 CANADA, CHNX shortwave fair with ID, address and tx location - BML 1/3
 6135 0906 BOLIVIA, R Santa Cruz with ID at s/on then into music - LM 23/3
 6150 0600 UK, RCI fair in EE with current affairs, ID 0628 - RP 25/3
 0700 COSTA RICA, University N/W good with Dr Gene Scott — RP 25/3
 6165 0615 CROATIA, Hrvatska RTV gd, Croatian, gd ID 0630 //7365 not as good - IC 8/3
 2130 ZAMBIA, ZNBC with request prgm, EE ID at 2156 then off at 2203 — LM 26/3
 2210 CHAD, Tchadienne N'Djamena, Radiff Nationale in French good with afro pops, 2228 s/off with ID — LM 26/3
 6185 0635 VATICAN, Vatican Radio good at start then faded EE ID at s/on 0620 - RP # 11/3
 6195 1004 ??? BBC WS good in EE // 17640 & 15360 — GYM 18/3
 6249.8 1041 PERU, LV del Andahuaylas only LSB audible, USB obliterated by noise, music, comment, poor — DN 11/3
 6458 0630 USA, AFRTS fair in EE on USB with news and ID at 0700 — RP # 12/3
 6520.5 1026 PERU, R Paucartambo firm ID good with freq. Variation — DN 11/3
 6895.4 1033 PERU, R San Miguel with talk on economics and nubers announcements, hams on LSB. A very big echo which does not appear during music — DN 11/3
 6975 0754 COSTA RICA, RFPI fair in EE, ID, tlk abt conservation in US, some QRN - CC 29/2
 7125 0520 CIS, V of Russia weak in EE with talk prgm, interview w/ musician - RP # 11/3
 1840 GUINEA, RTV Guinea poor in French, blocked by 1900 — BML 14/3
 7150 2050 INDIA, AIR fair in EE poor by 2110 — IC 7/3
 7170 0633 UK?? VOA excellent in EE with ID off at 0700 — GYM 18/3
 7180 0530 CIS, V of Russia good in EE — PGA
 7190 1930 IRAN, VOIRI poor opening at this time in EE — IC 26/2

7225 0628 PORTUGAL?? DW v good in EE with ID then German lesson // 9565 - GYM 18/3
 7245 1542 IRAN, VOIRI good in EE with news // 9885 as good — CC 27/2
 7250 2050 VATICAN, R Vaticana v good in EE — IC 24/2
 7255 0516 NIGERIA, R Nigeria good in EE with mail box prgm and mx requests - CC 19/3
 0550 NIGERIA, V of Nigeria fair in EE, comment on Afro affairs, IS, ID 0600 - KAB 1/3
 7470 1930 DEMOCRATIC ARAB SAHARA REP, Nat. Radio with talk in Arabic, also noted at
 0730 UTC — LM 24/3
 7475 0456 ISRAEL, KOL Israel fair in EE with news etc at 0500 — PGA 20/3
 7475 0500 ISRAEL, KOL Israel v good in EE with s/on and IS at 0500 & 0515, news and
 weather — RP # 11/3
 7510 2000 ISRAEL, KOL Israel fair in EE quickly deteriorating // 11605 — IC 4/3
 7530 1802 SOMALIA, R Hargeisa fair in Somali, close 1900 — BML 7/3
 7545 1803 BULGARIA, R Bulgaria in French // 7535 — PGA 11/3

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

BML - Bill McLeod, Christchurch, NRD 545, 60m wire, 12m vertical: CC - Cliff Couch, Paraparaumu, ATS 803A, 60m horizontal loop, 26m wire with Balun: DN - Dave Norrie, Auckland, AOR 7030, T2FD, 25m longwire with balun, 12m vertical : GYM - George Muzyka , ICF SW55, WINRADIO, 40m window frame/balcony loop : IC - Ian Cattermole, Blenheim, JRC NRD 545, 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, AOR 7030, R8A, longwires/Beveridges : PGA - Paul Aronsen, Wallacetown, Sony 6800 & 7600G, 400 ft long wire : PRP - Paul Peacock, Blenheim, Sony 6800, SW Listener : RP - Robert Park, Lower Hutt, R1000, 40ft longwire : TTS - Tristram Speedy, Auckland, FRG 7700, N/S 55m longwire.

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

bandwatch.over9@radiodx.com with Andy McQueen

Hello from Trentham where the trees are all showing off their autumn colours perhaps the few sharp jolts we had a few weeks ago has let them know the seasons are changing. A special welcome to 2 new contributors but long time DXers Paul Aronsen and from Southland and Rex Gillett from South Australia.

Many stations have changed frequencies and times as from the end of March. So not all maybe found as listed. All times are UTC.

KHZ TIME COUNTRY STATION & PGM DETAILS INITIALS

9022 1910 IRAN VOIRIB Moderate to Fair in FF with Nx & Mx with Id at 1930 followed by
 pgm In EE 31/3 KVB
 9335.2 1933 NORTH KOREA R Pyongyang at gd level in EE but not easy copy 7/3 HJS
 9340 2100 USAWCBQ V/good in EE using USB. Their long awaited new frequency 27/2 IC
 9370.8 0740 USA WTJC V/good in EE with gospel pgm 5/3 HJS

9435 0508 ISRAEL Kol Israel Fair in EE with local & World Nx Id @ 0510 19/3 CC
 9485 2045 FRANCE RFI Good in French HJS
 9495 0330 SWEDEN R Sweden Good in EE with Sounds Nordic 28/3 JSB
 9500 1620 GREECE VOA Kavala relay Good in EE AMQ
 9530 0600 ROMANIA RRI Good in EE with Local and World News 28/3 JSB
 9535 1920 THAILAND R Thailand Good until 1930 in EE then co-channel QRM 14/3 #HJS
 9545 0600 GERMANY D/Welle Ex sig, unid lang. with news D/W Id at 0600 7 06303/3 #RP
 9550 0530 CUBA R Habana Cuba V/Good in EE Id 0535 and often after with Dxers Unlim-
 ited at 0550 5/3 #RP
 9560 0554 CANADA CRI relay Excellent in EE ending tx giving freqs & times 18/3 GYM
 9580 1500 AUSTRALIA R Australia Good in EE with 'Asia Today' pgm 28/3 JSB
 9565 0558 GERMANY D/Welle Excellent in EE with I/sig and Id then into News 18/3 GYM
 9570 0700 SOUTH KOREA RKI In EE to Aus/NZ asking for reports to rki@kbs.co.kr 28/3 JSB
 9590 1259 SINGAPORE R Singapore Int Good in EE with news and commentary AMQ
 9615 0820 ALASKA KNLS Fair in EE with ID, station ancts then mx. A little scratchy 16/3 CC
 9640 0330 GERMANY? D/Welle Good in EE Id at 0330 then GG language lesson 18/3 GYM
 9645 0800 BRAZIL R Bandierantes Fair in PP, song 'It never rains in Sth California' 19/3 #RP
 9655 0500 MOROCCO VOA relay Fair in AA then EE Id 0528 then into FF 31/3 # RP
 9655 1930 CHINA CRI Good opening in Albanian but soon co-channel QRM 17/3 HJS
 9660 0300 FRENCH GUIANA NHK/R Japan Good in JJ with EE Id at S/on 1 / 4 #RP
 9670 0510 ANTIGUA D/Welle Poor in EE with Newslink pgm Blocked by RAI at 0535 25/3
 RP 0500 Good with 'Newsline in EE 29/3 JSB
 9680 2000 THAILAND R Thailand vgd in GG w/ EE Id 2015, FF pgm at 2030 into EE 1/4 #RP
 9680 2120 SPAIN REE Excellent in EE AMQ
 9690 0300 SPAIN CRI Relay Ex in EE with News & Current Affairs Id at 0300 29/3 #RP 0330
 Good in EE with 'Moshee Journal' travel pgm 18/3 GYM
 9690 0500 AUSTRIA ? RCI relay Fair in EE with Canadian Nx for Africa Clear id at 0500 &
 0530 S/off 5/3 #RP
 9695 1015 JAPAN NHK/ R Japan Good in EE Interview with Harpist 26/3 #RP
 1140 Good in EE AMQ
 9704 2 1850 ETHIOPIA Ethiopian Radio Fair in Vernacular pgm Nat Service //7110, 5990
 Blocked at 1930 11/3 BML
 9710 2030 ITALY RAI Int Fair EE w/ QRM frm 9715 Clear S/on S/off IDs 2045 Nx pgm 8/3 #RP
 9715 1950 GERMANY D/Welle Ex sig in unknown language with Id at 1900 18/3 # RP
 9720 1500 MONGOLIA V of Mongolia Opens in EE Poor and noisy signal 10/3 IC
 9730 0400 FRENCH GUIANA? CRI Relay Good in EE with World & China News 28/3 JSB
 9735 0400 GERMANY D/Welle Naeun relay ? Ex in GG with I/sig and lots of Id 27/3 #RP
 9737.7 0920 PARAGUAY R Nacional del Paraguay with Paraguayan Guaranía Mx with brief
 ID in SS easily clear of D/Welle on 9735 and BBC on 9740 24/3 LMM
 9740 1200 SINGAPORE BBCWS Good in EE to S/off 1430 28/3 JSB
 9740 2015 SINGAPORE BBC WS Ex in EE with Newshour 25/3 RP
 9755 0200 CANADA RCI Good in EE with Tapestry pgm 28/3 JSB
 9760 1820 GREECE VOA Kavala relay Ex in EE with Billboard Magazine 18/3 #RP
 9775 0720 GREECE Voice of Greece V/good in German // 11645 also good 7/3 IC
 9780 0800 ECUADOR HCJB V/good in EE with DX pgm Good Id at 0830 11/3 #RP
 9785 0455 GERMANY ? D/Welle Ex in EE Nx and Newslink pgms 1 / 4 # RP (Via Sines

Portugal — Ed)

9795 0930 NETH ANTILLIES R Nederland Bonaire V/good in EE with Nx, C/Affairs 1/4 # RP
0930 Good in EE with 'Sincerely yours' pgm 28/3 JSB

9830 0346 RUSSIA V of Vietnam Strong in EE Environment protection in Hanoi 27/3 CC

9845 2015 CZECH REPUBLIC ? R Liberty ex sig in unid language ID "R Sloboda" 29/3 #RP

9865 0420 UKRAINE R Ukraine Int Good in EE but speech hard to follow Talks & Music
Clear Id at 0444 and 0458 S/off 11/3 #RP

9865 1130 BELGUIM RVI Good in EE to Aus/NZ Excellent EE, looking for sig reports 28/3 JSB

9870 0400 UKRAINE R Ukraine Int Good in EE 5/3 IC
0438 Good in EE to S/off at 0500 24/3 PGA

9885 0450 SWITZERLAND ? SRI Tourism pgm in EE 7/3 PGA

9890 1430 MADAGASCAR R Nederland Good in EE with 2hour pgms 28/3 JSB

9890 2000 RUSSIA VOR With European News but some fade #TTS

9910 2100 INDIA AIR Good in EE, ID 2100 QRM from RTTY station on several days 25/3 #RP

9925 0303 GERMANY Croatian Radio Fair Croatian with News 27/3 CC

9970 0715 BELGUIM RTBF Good in FF with some Utility QRM 29/3 BML

9990 2136 EGYPT R Cairo Fair in EE past 2200 Nx Mx & pgm about stamp collecting Id 2141
& 54 11/3 KVB

11515 0540 LEBANON Voice of Hope Good signal in EE 24/3 PGA

11565 2105 USA WYFR Good in EE with Relig pgm Gave clear id at 2129 6/3 #RP

11590 0900 CHINA CHBC V/good with EE Id 25/3 # RP

11600 0759 CZECH REPUBLIC R Prague Fair in EE with I/sig ,Id then news 29/2 CC

11605 2019 ISRAEL Kol Israel EE Discussion on future Christian Community gd sig 20/3 EMM

11615 0028 CZECH REPUBLIC R Prague fr I/sig, id in various langs Distorted sig 26/3 CC

11615 1600 FRANCE RFI Good with 90 minute pgm in EE // 15210 28/3 JSB

11640 0600 SOUTH AFRICA TWR Good in EE with Relig pgm Id at S/off 0615 19/3 # RP

11655 0318 FINLAND YLE R Finland Good in EE with 'Starting Finish' ended 0323 then Id &
into SS 18/3 GYM

11690 0500 CHILE Voz Christiana V/gd in SS with Clear Id at 0500 30/3 # RP

11705 0316 CUBA R Habana Cuba Weak in USB mode Id and YL in English 31/3 CC

11715 2045 INDIA AIR Aligarh Good in EE to Pacific HJS

11720 1918 PHILIPPINES R Pilipinas Fair in unknown language with music and Id 31/3 CC

11785 2020 INDONESIA V of Indonesia fair in unknown language with loud whistle Jakarta
mentioned. Not heard some days 14/3 #RP

11787 2135 IRAQ R Iraq Int gd sig but fading Clear ID 2100 and often during pgm 7/3 #RP

11805 0630 GEORGIA R Georgia Poor to Fair with EE pgm signing on "This is Radio Georgia"
then local Nx & Mx 15/3 #PRP

11825 0529 CANADA RCI Strong signal with Id repeated in EE & FF then into FF pgm. Is listed
as 11830 in PWBR 31/3 CC (It is also listed as 11830 on their web site Ed)

11825 0632 GT BRITAIN ? VOA Wooferton Ex in EE with News Now S/off 0700 25/3 # RP

11845 0630 GT BRITAIN BBC good signal in EE with computers talk. Id at 2100 into unknown
language 14/3 RP

11860 1930 PORTUGAL RDP Strong in PP // 21655 not quite so good 29/2 IC
2015 V/gd in PP with easy listening music and not on new sked 3/3 HJS

11860 2150 INDONESIA RRI Jakarta Good in Indonesian at 2159 suddenly much harder to
hear Not heard often on this frequency // 15126 6/3 IC

11865 0200 CANADA RCI Weak in EE most days not heard Id at 0200 with Nx and spec-
trum Pgm 7/3 # RP

11865 2203 SRI LANKA D/Welle Good in Indonesian with World Nx Id at 2208 11/3 KVB

11880 0600 GERMANY Croatian Radio Good in EE 28/2 IC

11905 0600 GT BRITAIN Skelton relay Good in EE with Nx then 'Earthwatch' pgm Clear id at
0629 11/3 # RP

11925 0800 BRAZIL R Bandierantes Good in PP Time Pips at 0815 & 0830 Sao Paulo men-
tioned 18/3 #RP

11935 2035 SAUDI ARABIA BSKSA Good in AA with Arabic type singing 8/3 #RP

11995 2226 GT BRITAIN BBCWS Good in EE with news that Mexico goes over to Daylight
saving time but this move unpopular 31/3 EMM (Maybe using Singapore relay? - Ed)

11980 0419 NETH ANTILLIES RVI Bonaire relay Fair signal in EE 8/3 PGA

11980 1940 THAILAND BBCWS Fair EE, ID 1946 then 'Off the Shelf' pgm Closed 2000 9/3 RP

12070 1530 UZBEKISTAN R Nederland relay Fair in EE with World Nx and Id //12090 less
clear 27/2 CC

12085 2008 MONGOLIA V of Mongolia Fair in EE 1/4 BML

12689 0630 USA AFRTS Fair in USB mode EE pgm of Music Countdown Id 0700 18/3 #RP

13590 0430 UKRAINE R Ukraine Int Excellent in EE with plenty of Id's 15/ 3 HJS
0446 In English with Id 0446 RGG

13610 1930 GERMANY D/Welle V/good in EE with 'African Report' Off air suddenly at 1945
with no S/off 7/3 #RP

13645 1858 BELGUIM R Vlaandareen Int with I/sig and Id at 1858 // 13600 RGG

13660 2015 GERMANY SRI via Juelich relay sin Good in EE with News & Sports

13675 1550 VATICAN CITY Vatican Radio Good in EE with focus on Jubilee year 2000 AMQ

13740 1740 GERMANY ? RVI Gd EE, talk abt cross border employment in Europe 3/ 4 AMQ

13750 2045 CUBA R Habana Cuba Good in EE AMQ

13765 1945 VATICAN CITY Vatican Radio With Latin Mass // 5885 RGG

13780 0315 RWANDA D/Welle Fair in GG with I/sig & ID 0330 18/3 # RP (Or Sines Portugal)

13790 0300 IRAN VOIRIB V/strong S9+ with 2hour of Holy Quran, ID //11680 noisy 25/3 HJS

13820 0811 GERMANY Croatian Radio Good in EE Madeline Albright visits Croatia F18 landed
Pula airport 10/3 EMM
1900 Fair with EE News and Weather 8/3 IC

15084 0400 IRAN VOIRIB V/gd signal in unknown language 27/3 #RP
0750 Fair / Good in German // 21770 excellent 2/3 HJS

15105 0458 RUSSIA? V of Tartarstan via Samara relay I/sig at 0500 Fanfare and Id by YL
"Tartar radio" Dialogue/documentary between 2 announcers with brief bridges of
orchestral Mx Fair signal 25/3 LMM

15110 0758 KUWAIT R Kuwait Fair/good in EE S/on with Freqs and times 2/3 HJS

15130 2200 USA WYFR Opens in PP to South America Fr/Gd signal HJS

15135 2115 RWANDA D/Welle Kigali relay Excellent in EE Newslink & Insight pgms S/off
2146 8/3 # RP

15150 2000 INDONESIA V of Indonesia Good in EE 4/3 HJS

2042 Clear in EE with Id & transmission details till 2050 then blocked by spurious and
overmodulated transmission 31/3 BDC

15160 2000 ALGERIA R Algiers Int Fair EE, News, Clear ID 2000, freq, address info 10/3 #RP
2000 RTV Algerienne Good in EE 1/3 IC

15195 1208 FRANCE RFI Good in EE with News Bulletin AMQ
15200 0745 GUAM KTRW Fair in EE with Id and station ancts Some QRM 16/3 CC
15200 2300 FRENCH GUIANA RFI gd FF, ID at s/on 'Manchester United' mentioned 2/4 #RP
15275 0100 RWANDA? D/Welle Fair GG, Clear s/on ID, 'Deutschland' mentioned 3/3 #RP
15285 0000 USA WSHB Fair in EE with fading Usual Christian Science format 27/3 #RP
15295 2300 PORTUGAL RDP Good in PP to Brazil // 13600 only fair 28/3 HJS
15325 0430 BRAZIL R Gazette Fair signal with Relig pgm 28/3 #RP
15335 0140 PHILIPPINES R Veritas Asia Fair signal in unknown language but with clear EE Id and freq info @ 0200 2/3 #RP
15335 0440 ROUMANIA RRI Strong signal but with only fair modulation. EE pgm on types of construction to withstand earthquakes followed by DX Mailbag Id 0440 19/3 KVB
15350 0830 TURKEY VOT Good with pgm 'Yesterday & Today' 26/3 EMM
15355 0311 OMAN R Sultanate of Oman V/good signal in EE Id at 0315 then News and local events 7/3 #RP
15360 1001 SINGAPORE ? BBCWS Fair in EE // 17640 Good 18/3 GYM
15375 0530 CHILE Voz Christiana V/good in SS with "Christiana" Id at 0532 12/3 #RP
15390 1915 RWANDA D/Welle Kigali relay Good EE 'Spectrum'pgm ID at s/off 1945 11/3 #RP
15400 0337 UAE R Dubai Fair EE talk about Somalis //13625 as good 12005 poor 31/3 CC
15400 1826 ASCENSION ISLAND BBCWS Mdrte EE, pgm on Lambeth Palace ID 1830 1/4 KVB
15420 0335 SOUTH AFRICA BBCWS V/gd in EE with Nx and World today pgm 29/3 # RP
1833 Fair/Poor in EE with fluttery signal Investment pgm Id 1859 1 / 4 KVB
15435 2030 LIBYA V. of Africa gd EE sig though somewhat muffled audio. FF @2040 1/3 IC
15445 1720 BOTSWANNA VOA relay Fair but fluttery in EE, 'Voices from Africa' pgm AMQ
15475.6 2350 ANTARTICA LRA36 Good in SS with extended broadcast Id as "R Nacional Mendoza" Closed at 0043 28/3 BML
15485 0730 GT BRITAIN? BBCWS Ex in EE with Outlook & Spotlight pgms 19/3 #RP
15565 2330 BELGIUM? RVI Good in EE with Radio World 28/3 JSB
15560 0330 MADAGASCAR R Nederland V/gd signal with EE at S/on 0330 #RP
15610 2215 GUAM AWR Strong with English / Chinese lessons HJS
15620 0755 GERMANY AWR V/gd AA, AWR Nicosia QTH given sev times. ID 0756 1/4 #RP
15640 2035 ISRAEL Kol Israel V/Good in French 16/3 HJS
15650 2000 ISRAEL Kol Israel V/good with English with News 27/3 # HJS
15650 2130 GREECE V of Greece Strong in Greek Is around 2150 26/3 #HJS
15665 2040 USA WSHB V/strong in French to Central & West Africa HJS
15705 0732 NORWAY R Denmark Ex Signal in Danish Id at s/off 0755 1 / 4 #RP
15725 2030 CONGO? R Liberte Congo Political speech in FF, hilfe mx accompanied by drums then several mentions of Renamo and Bemba 2055 Announcement " Le Congo ... bemba" 2130 Live phone calls from listeners Poor sig 26/3 Also noted 0830 UTC LMM
15735 0530 SLOVAKIA AWR Strong in Arabic 28/3 #HJS
15785 2105 ISRAEL Galei Zahal good in Hebrew, rock mx, songs in Hebrew w/ much clapping and whistling by DJ with greetings of Shalom mentioned my love is Israel my time is Israel 1258 Commercials for Dominique Footwear and the Sound protection Company Distinctive top of the Hour jingle Id "Shalom Geli Zahel,, Le Israel" 25/3 LMM
17560 2100 SRI LANKA D/Welle Excellent in EE with 'Newslink' pgm with Id at S/on 6/3 #RP
17580 0521 AUSTRALIA R Australia Good in EE with 'Pacific beat' pgm 17/3 GYM
17650 0415 RUSSIA VOR Fair in EE with strong QRM from BBC 17640 17640kHz 1 / 4 # RP
17650 2030 USA WHRA Super signal in EE offering 2 Tee-shirts at \$12.00 HJS
17675 0339 NEW ZEALAND RNZI Fair EE with special edition of 'Women's World' 18/3 GYM
17680 1100 JORDAN R Jordan Amman Fair in EE Announced big special hour of Radio pops Comment about Ultra Marathon run sponsored by Electronics Society 25/3 LMM New sked 1100-1300 17680 &1300- 1730 11690 kHz.
17690 0533 UNKNOWN STATION Weak in Asian Language Who? 23/3 HJS
17720 0700 ROAMNIA RRI Good in EE with C/ Affairs Id 0710 &0721 // 21480 18/3 #RP
17750 0530 AUSTRALIA R Australia Opens without Id after 'Waltzing Matilda' and into EE / Asian language lessons HJS
0704 Fair in EE with Id // 21725 Very good signal 18/3 GYM
17760 2015 UNITED ARAB EMIRATES UAE R. Abu Dhabi V/strong in AA radio play? 24/3 HJS
17810 1900 SRI LANKA D/Welle Excellent in EE with 'Newslink' pgm, ID at S/on1900 14/3 RP
17830 0730 ASCENSION ISLAND BBCWS Fair EE, listeners letters/requests ID 0745 19/3 RP
17880 0130 GUAM KSDA Fair in Mandarin with EE id at S/of f 0159 6/3 #RP
17885 2025 ASCENSION ISLAND VOA relay Good in EE to Africa 25/3 #HJS
18910 1900 USA WSHB Weak in EE not often heard with Rlg pgm with id at 1900 9/3 #RP
18950 0707 NORWAY R Norway Moderate in Norwegian with Nx and interview I/sig 0729 and switched over to R Denmark Id at 0730 followed by Talk in Danish 19/3 KVB
18960 1230 SWEDEN R Sweden Good in EE with '60 degrees Nth' pgm #AMQ
21455 0630 ECUADOR HCJB In USB mode with EE pgm on travel in Ecuador then pgm about iniating conversation usually about the weather Fair signal Also heard 0410 with poor signal 15/3 #PRP
21455 1059 GT BRITAIN Unknown Station in EE with time pips then straight into domestic British network feed od 'Rock 'n Roll Football' giving English sports results and iniling talkback calls on 0500 30 12 15 Good & clear signal Maybe a weekend sports feed by Merlin Network? 1 / 4 BDC (April Fool show ?- Ed)
21480 0700 ROMANIA RRI with EE news and commentary RGG
21490 0730 IRAN VOIRIB In AA with familiar theme RGG
21495 0500 SAUDI ARABIA BKSA Ex in AA with lots of singing but no music 12/3 #RP
0529 Excellent in Arabic 20/3 #HJS
21500 1115 CHILE Voz Christiana Good and clear in SS with relig. talk // 6070 1 / 4 BDC
2050 V/gd in SS with Id 2058 Talking and singing pgm 6/3 #RP
2100 V/gd in SS 21550 the same HJS
21500 2100 USA R Marti weak SS with theme music & ID after above Station closes 31/3 BD
21510 1200 UKRAINE R Ukraine Int with News in English RGG
21530 0820 Unknown Station Announces as "Amateur Radio Parade International" with entirely Ham Radio programme to sign off at 0900 Freqs given as 9750 & 21530 Next Sunday on 21725 QSL for 2 IRC's PO Box 1842 Hillcrest 365 Seemed to emanate from Southern Africa (Your on the right track .See last months TIMES for full address — Ed)
21550 0800 GERMANY V of Democratic Path of Ethiopian Unity at good strength with poliitical speech in Amharic and freedom folk songs 0830 Id as "Foneta Democrasi" Mailing address and website in LA given 26/3 LMM
21560 1100 HUNGARY R Budapest with I/sig and Id in local language RGG
21600 2000 USA R Marti Good SS, fading EE sentence at 2019, Marti mentio 2000 2/3 #RP
2000 V/good in SS programming to Cuba
21610 0318 JAPAN NHK/R Japan Strong in EE with Asian News // 17825 weaker 27/3 CC

21650 0833 AUSTRIA ORF/ R Austria Int Good in EE with 'Report from Austria' chocolate production in Salzburg // 21765 Good 18/3 GYM
 21690 1200 FINLAND YLE R Finland I/sig and Id Excellent signal to Australia RGG
 21705 0702 SLOVAKIA R Slovakia Int EE pgm with Id's at 0710 & 0720 RGG
 21720 1802 SWITZERLAND SRI Ex in FF with Nx Id 1807 Closes 1816 26/3 BDC
 21745 1030 CZECH REPUBLIC R Prague International Sce with id in various languages RGG
 21765 1000 AUSTRIA R Austria Int with Id in various languages //21650 RGG
 21770 0712 IRAN VOIRIB V/good in FF // 15260 & 21470, Off 0830 RGG
 21770 1100 SWITZERLAND? SRI With programme in EE RGG (Via Sottens —Ed)
 21810 0530 IRAN VOIRIB With Vocal Anthem S/on at 0530 RGG
 21820 0930 AUSTRALIA R Australia Ex in EE with Science Show Id 1000 25/3 # RP
 21830 0830 GT BRITAIN? BBCWS V/gd in EE with Relig pgm with id at S/off 12/3 RP
 25870 0152 USA WFLA Poor /Fair in EE Phone in about spiritual experiences Mx Florida weather and Ads. Still audible past 0430 19/3 KVB

Thanks very much to all this month's contributors. A # mark indicates a report has been sent to the station. I wish you all both contributors and readers a very happy Easter. I will be heading down to the Deep South of the Mainland for a few days DXing

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 Email. One final point if possible can you send in your contributions early you don't have to wait until the final deadline and this would ease the pressure for me.

Shortwave Exchange

AMQ Andy McQueen Trentham Sony 6800 & 40m long wire BDC Bryan Clark Mission Bay Auckland AOR 7030 BML Bruce McLeod Christchurch NRD 545 with 60m long wire & 12m vertical CC Cliff couch Paraparaumu Sangean ATS 803A with 60 m horizontal loop EMM Evan Murray Birkdale Auckland Kenwood R5000 T2FD antenna GYM George (Yuri) Muzyka Ponsonby Auckland Dxing from Waipu Cove Northland 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 JSB Jon Standingbear Beaumont Ca USA Palstar R30 Drake SW2 & off centre fed dipole KVB Kelvin Brayshaw Levin FrG7 Sony ICF 2001 5 MHz dipole & 40m horizontal loop LMM Leigh Morris Morphett Vale Sth Australia Drake R8A PGA Paul Aronsen Wallacetown Sony 6800 & 7600 400ft long wire PRP Paul Peacock Blenheim Sony 6800 RGG Rex Gillett Adelaide South Australia Sony ICF 7600DS with common inverted 'L' antenna approx. 15 m high 20 m long running N/ S RP Robert Park Lower Hutt Kenwood R1000 with 40ft long wire. TTS Tristram Speedy Manurewa Auckland Yaesu FRG7700 with 55m N/S random wire.

utilities@radiodx.com with Evan Murray, Auckland

The RNZAF Air Show held just recently at Whenuapai displayed the Service to good effect in spite of the alarm and despondency spread by the Government and media. Our ears were assailed by the scream of Skyhawk and Macchi aircraft in simulated air attacks tho' we didn't see the airdrop of paras, probably the SAS. Prior to the last CHOGM it was reported, secretly, that the Royal Air Force had brought several platoons of paratroops who were to train in long distance parachute infiltration, by being dropped from C130 aircraft

several miles off the coast, parasailing to land, near Auckland.

It is reported in a recent issue of Monitoring Times that the Indonesian city of Ujung Pandang has reverted to its original name of Makassar. Ujung, as it is commonly referred to in aero comms, uses the frequencies 3470, 6556 and 11396 in South East Asia 3 area and 5550, 8918, 2956, 6544 and 11309 for domestic traffic. Whether there will be a change in the Aero Comms name to Makassar is not known but readers should be aware of the possibility, recalling that Bombay is now Mumbai and Madras now Chennai.

A new computer program, AirNav tracking, has recently been introduced. This program runs on a PC and allows the user to visually track the flight of an aircraft as its position reports are entered into the computer. Not much is known of this at the moment but it would be of interest to people who had friends travelling on a particular flight and to a particular destination. More will be published when it becomes available.

Loggings reported in March are as follows -

5525 0930 ZME 20 Raoul Island w/ days activities, inc water collection. EM
 5598 0715 MEC 672/Gander. 52N 50W FL 340 Next 55N 45W at 0753. EM
 5634 1759 Perth/Springbok 281 airborne Perth 1735 ETA Jo'burg 0330. JC (Distance Perth-Johannesburg 4484 miles Ed)
 6215 1817 Nuku'Alofa working f/v setting lines 19.28 S 175.26 N. JC
 6640 1245 QSY 13261 San Francisco/Polar Tiger out of Melbourne for Hong Kong and requests S/C watch. JC
 8846 1906 Nadi/Funafuti passing traffic info. JC
 8867 0801 Brisbane/TAW How do you read. Reading you 4. EM
 8867 0802 NZ 50/San Francisco Maintain 370 and report reaching. EM
 8867 0804 Argentina 1180/Auckland Posn 171 W 48 S at 0801. Next 170 W 47 S at 0838. EM
 8867 0055 Auckland/N5KC. BJ
 8867 1040 Auckland/Argentina 1181 Posn 61 S 10 W. BJ
 8891 1329 Arctic Radio. JC
 8891 0617 Montreal Radio/United 954 S/C ARBF. JC
 8903 0607 N'Djamena/Libyan 1289 Posn. JC
 8903 0545 Kano and Kinshasa heard in QRN. JC
 8930 1912 Stockholm/RKA 5613 on ground Vienna Request P/P. JC
 8930 1922 Stockholm/Viking 1834 gives Posn as Lisbon. JC
 8942 1108 Singapore/Dynasty 648. BJ
 8942 1105 Manila/Indonesian 853. BJ
 8948 1228 Bombay wrkg flights from Delhi to Islamabad & Bangalore. JC
 10024 0823 Bogota/GCO 3000 Go to 128.8. EM
 10024 0938 Argentina 1313/Cordoba in SS. EM
 10024 0944 Punta Arenas/QF 115 50S 115W blockk 310/370 40S 100W.EM
 10024 0907 Cenamer/LAN Chile 813. EM
 10024 0853 Santa Cruz/American 946. EM
 10024 1017 Cenamer/LAN Chile flight in SS. JC
 10024 0914 Merida working flights in SS. JC
 10024 0908 Punta Arenas/Qantas 115 in box 310/350 Posn 0919. EM
 10024 0950 Santiago/Qantas 115 FL 340 Posn next 60 S 100 W. EM
 10066 1955 Saudia 868/Yangon Advise posn PTN (Pathein Myanmar) EM

11247 0414 RAF Cyprus flight watch with WX for LIPR(Rimini) LIMJ (Genoa) LDSP (Split) LWSK (Skopje). EM
 11253 0418 Architect with WX for RAF Bases Colour coded. EM
 11256 1948 Holloway/Ethiopian 0734 on ground Copenhagen. JC
 11256 1948 Holloway/Ethiopian 887 Departed Harare 1947/50 for Juba. JC
 11300 2059 Khartoum/Britannia 336A bound for Baghdad ETA 2147. EM
 11345 1925 Stockholm/Sterling 745 PP to company in Denmark. JC
 11396 1927 Perth/PKCTC Position. Continue Jakarta on 6556. EM
 11396 1930 Ujung Pandang/Cathay 103 Position. EM
 11396 1551 Manila/Qantas 128. Reading U 4. SC ADHM. FL 370. EM
 11396 0939 Bali Radio/UN 465 maintaining FL 230. JC
 11396 1053 Perth advises Speedbird 112 next report Christmas Island. JC
 11396 2109 Jakarta/Madagascar 010 SC AKEF. BJ
 11396 2144 Ujung Radio/Kampuchea 1000. No reply. BJ
 13306 0737 National 104/Perth. What is your ETA. 0754 Cocos. EM
 13318 1047 Perth/Speedbird 10. BJ
 17904 0725 Air Mike 1/San Francisco. BJ

Thanks to this month's contributors — John Charleton, Basil Jamieson and your editor. Contributions should be sent to 14 Kia Ora Road, Birkdale, Auckland or to e-mail to utilities@radiodx.com

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

Hi all. Well, after spending yet another successful week at Waiakarua, once again I'm left finding time for reception reports and even Bryan Clark has beaten me to it by sending out reception reports already!

If the Sun's rotation every 27 days is anything to go by, then around the 14th of April and 12th May will be very good times to make an effort for a spot of DXing the A-index hit 1 on the 16th of March and stayed low for the next few days allowing all sorts of Latin lovelies to be heard!

And as a feature for next month, on the suggestion of David Ricquish, let's have a Pacific and Australian Trail so please turn on your radio and let us know what you can pick up from across the 'pond' and the islands.

Lindsay Robinson, Invercargill, "Logs during the Equinox weekend at Tiwai WTDY 1670 (new state), KAZP 1620 and WMDM 1690 (new state). One QSL from WAFN 1700". Good work Lins

David Ricquish, Wellington, "OK, don't get excited. In a weak moment, I sat down, turned on the radio, logged two stations, wrote the reports and they'll be in the mail tomorrow. I then opened a brand new League Log Book and entered the two logs on the clean front page. It's like starting DX all over again. Who knows, I may be inspired to log some more before the April deadline. Anyway, to make sure you get some support for your section... Logs are: 88 Country 1593, Solid Gold FM 1233 Part 2: "Well, my first QSL in about 5 years. It gives me some encouragement to send more reports. Also, my first e-mail QSL 88 Country AM 1593." There's hope for us all!

Keith Robinson, Invercargill, "reported 2NTC 1701 Radio Italia 1620 & 162,9 Alive AM 1620 and verified Radio Sport 927 Shepparton 1260, 88 Country 1593, R Waatea 603."

Laurie Boyer, Invercargill just sneak in a deadline with the following: "Not a lot happening down here but I have had the following in. The ones with the Asterisk following were heard in Australia. 4RF 1629*, 2PB 1458*, 2RN 143*, 4AK1242*, 4WK 1359*, Radio Islam 1620*, 2MM 1665* Southern Star 1026, 657, 900, 909, 882, 963, 981, Radio Watea 603, 3YT 918. Went down to Tiwai for the March meeting but as usual when I go there reception was lousy."

Bill Woller, Opunake, "Greetings. I thought I had better send something down this month, although reception conditions have been pretty erratic on the AM band. We are hoping to get away to Whangarei for the last week of the school holidays so hopefully will be able to fit in the loop and a receiver. I have not been that far north before so should be able to search out a few Pacific Islanders. Nothing out, (!!) nothing in, but there was a good opening on 23rd March on the X Band and then again on the 31st March." Thanks Bill, your contributions from Whangarei will be most welcome for the Pacific Trail - am still working on the 1300kHz unid.

Sutton Burtenshaw, Hamilton "Only 2 NZ reports out this month and have not done any extra listening. QSLs in from 1YE and 1YK" Plenty of long, cold winter nights soon!

Bryan Clark, Auckland travelled south to Waiakarua for 5 nights DX and now has the task of writing reports to: LBV Mundial Brazil 940, Radio Nacional Uruguay 1130, Radio Monte Carlo 930, KYW 1060, Atlantico Argentina 1120, WTDY 1670, LV3 Radio Cordoba 700, Imparcial Uruguay 1090, Radio Buenos Aires 1350 (I see BDC lucked out on conditions yet again - CE)

Paul Ormandy, Oamaru, Reports from the week at Waiakarua are on there way eventually to R Brigadier Lopez 1150, R Maria 580, R Ovacion 620, R del Pacifico 640, R La Luz 1080 (unid Peruvian), R Antarqui 1110, R Misericordia 1300 (unid Peruvian), Radiomundo 1170, R Rivadavia 630, R Tropical 1620, Sistema LBV Mundial 940 & R dif Boas Novas 1320 (tent.). No QSLs back and I'd better get my act together if any of these are going to reply!

Best of the Month

Lindsay Robinson with WAFM Miami FL 1700kHz 1kW

Merv Branks Trophy

Paul Ormandy 13, Keith Robinson 7, Lindsay Robinson 5, Sutton Burtenshaw 3, David Ricquish 1 more than Bryan Clark.

The Opunake Trail - from Bill Woller

1570 07.25 CANADA. CKTA ?? Male and Female anns .Alternating. Mxd with deep growl of something off frequency slightly. Call at 07.28 sounded like CKTA. Then gone.

1650 08.13 USA KCNZ Cedar Falls Ia. Good with talk on Local and Federal

1650 10.35 USA WHKT Portsmouth Va. V/G News then weather at 10.27.

1660 11.48 USA KXOL Brigham City UT. Usual oldies, Good Id @ 11.50.

1670 11.40 USA WTDY Madison Wisc. Good over WRNC, ID at 11.45. Government with a few snippets of news thrown in now and then. Brief morse well under at 09.25. Possibly test ???

1680 08.37 USA WJNZ Ada Mich. fair with Rap mxd with Talk under

Waiakarua DXpedition 2000

Once again, Bryan Clark from Auckland and myself left our loved ones behind for what some people call "male bonding". I prefer the term "radio-therapy". The event was our annual splurge on DXing at Waiakarua, Bryan has been a regular participant at these

events since 1986, missing few years between then and now. Laurie Boyer from Invercargill was to join us but was unfortunately prevented from doing so because of a spot of bad health.

And it didn't get off to a good start. I went down the day before Bryan arrived to set up the listening area and put up a couple of temporary aerals. The day dawned with heavy rain, which continued for the next 24 hours turning into a real deluge with 125mm over that period. Three of the aerals cross the Waianakarua river and drop onto a river-flat which was a few feet under water as a result of the torrential rain, and two of the wires were down, one of which was a major aerial for North America, and because of the flood levels I wasn't game to cross the river to resurrect them till 4 days afterwards. As it turned out, conditions from the USA weren't great and we lost little from the 'disaster'.

Setting an exact date began back in January with careful monitoring of solar activity to pick a date which coincided with a low A-index and avoiding a coronal hole which would have plagued reception, suggested that a week prior to the 20th of March would be wise. Indeed, the 22nd onwards would have led to disturbed conditions so we did get it right.

Well, as we were nearing the maximum of the solar-cycle I wasn't expecting too much DX-wise. I had recently researched the effects of auroral conditions on long-path trans-polar mediumwave signals and had ruled out the possibility of hearing long-path Europeans and deep South Americans (i.e. Brazil, Uruguay, Paraguay and Argentina). How wrong I was! I now have to add a postscript to the article that even when the solar cycle is nearing it's maximum, it's still possible to hear those rare signals, if the A index is low enough and towards the end of the week it dropped as low as 1!

To categorise reception geographically, signals from Europe were very poor in the mornings with only Vatican R 1611 and TDF Allouis 162 being heard. The real surprise was the appearance of antipodal evening signals via long-path, i.e. Spain on 1107 & 1485kHz. Morning reception from the Middle East and Asia was very poor, Africans non-existent as usual. North America (including Mexico) was very poor, with the odd short-lived opening on a couple of nights. Longwave wasn't great, even the Far-east Russians weren't their usual selves. Alaskans in the 1500z time-slot were a no-show and Hawaiians also poor. Caribbean signals were likewise, though Caribbean Beacon did become a regular on 1610 and even one night on 690kHz. Northern South America (Venezuela, Colombia and Ecuador) were uncharacteristically muted though Peruvians were exceptionally good, especially CPN Radio 1470. Deep South Americans were where all the action was, Argentines, Brazilians, Uruguayans and one Paraguayan made it all worthwhile.

Equipment wise, the MFJ-1026 phaser made the difference time and time again. I was very impressed when I could log Latins through normally-dominant New Zealanders, e.g. Radio Rivadavia 630kHz through 2YZ Napier, Radio la Luz (an as yet unidentified Peruvian) 1080kHz through IZB and Uruguayan 'Radiomundo' through IZW on 1170kHz.

I have been a devotee of the Drake SPR-4 for many years now and have always wondered what receiver I would buy if it 'croaked', and hadn't been terribly impressed by the various makes and models which had festooned the benches at Waianakarua over the years, however, Bryan brought his AOR 7030+ with him and I was very impressed, so much so that I now know the answer to that earlier question.

We didn't only DX mediumwave and overall I would consider SW to be below par, some reasonable reception of Africans on the tropical bands around sunrise but evening Latins weren't the greatest, a real contradiction to M for example, Radio Monte Carlo 930kHz

was far stronger than SW 6140 or 11735. The best SW catches would have been R Liberte 15725 USB and a good signal on several mornings from Argentine Antarctica 15476kHz.

Wainak MW Trail

Longwave

- 162 1726 FRANCE TDF Alouis, never fails to amaze with its consistency, heard mostly w/ French talk up to 1900. Ormandy Mar 14
- 171 1816 RUSSIA R Rossii, poor with talk in RR. Other Russkies heard on 180 & 234 midst heavy static crashes. Ormandy Mar 13
- 180 1806 TURKEY TRT Polatli, pres. the weak station w/Turkish sounding mx. PWO Mar 15
- 189 1502 RUSSIA R Rossii, poor w/news in Russian, heavy static. Noted parallels on 180 & 234 both marginally better. Ormandy Mar 16

Europe

- 1107 0637 SPAIN RCE Net, amazing long-path signals so close to the solar maxima. Usual all-news format with familiar music-bridge. Ormandy Mar 13
- 1485 0635 SPAIN SER Net, even these 2kW stations made a mockery of the maxima. Heard with poor signals with all-news format. Ormandy Mar 16
- 1611 1839 VATICAN Vatican R, up o/Aussies w/Interval Sig then sign-on in Latvian. PWO 18/3

Middle East & Asia

- 756 1825 JAPAN JOGK Kumamoto, presume the station heard briefly in Japanese mixed NZ & Aussie stations. Ormandy Mar 13
- 760 1800 YEMEM R Yemen, Mukalla, fair signal in Arabic with talk program interspersed with music bridges. Ormandy Mar 13
- 1521 1845 SAUDI ARABIA BSKSA Duba, pres. the one here w/Arabic weak mixed NZer. Ormandy Mar 17
- 1548 1829 SRI LANKA DW Trincomalee, poor with talk in German mixed NZer. Ormandy 14/3
- 1557 1850 UNID pres. Family R, Taiwan, back-back gospel music very short annc in CC by female announcer at top of the hour but quickly lost. Ormandy Mar 17
- 1566 1825 INDIA AIR Nagpur, level-pegging w/Aussie with female announcer in Hindi. Ormandy Mar 14

North America (incl. Mexico & Hawaii)

- 690 0815 HAWAII KQMQ Honolulu, ids as "Hawaii's Radio Disney", callsign 0859, mixed CBU Vancouver on classical music on and XETRA. Ormandy, Clark Mar 16
- 690 0857 MEXICO XETRA Tijuana in English with ident/promo for iAll Sports Radio, X-Tra Sports 6-90i. Clark Mar 16
- 750 0936 USA WSB Atlanta GA, fair signal w/extensive traffic report "WSB, your 24 hour news station" then forecast. Ormandy Mar 13 0750 Weather on i750 WSBt Clark 16/3
- 870 0822 HAWAII KAIM Honolulu, fair w/ "We need some listeners.." and asking for phone-callers. Ormandy Mar 15. Also heard 1509 on Mar 16th.
- 870 0916 USA WWL New Orleans LA with promo for Nascar Coca Cola 600 race, then Interstate Highway Conditions. Clark Mar 16
- 880 0623 USA KRVN Lexington NE, poor-fair w/weather for truckers & C&W music. Ormandy Mar 13 1112 promo for National Agriculture Month, in clear. Clark Mar 18
- 890 0629 USA WLS Chicago IL, "Chicago's news-talk 89, WLS" id then promo for Art Bell Show. Ormandy Mar 13
- 940 0842 USA KFRE Fresno CA, now running all-Spanish with "Radio Unica" program.

Ormandy Mar 13 0636 network ident, mixed other SS language stations. Clark 17/3
 1030 0606 USA WBZ Boston MS w/ news and WBZ Weather, fair but clear. Clark Mar 18
 1040 1425 HAWAII KLHT Honolulu, poor in 1044 slop w/light instrumental music. PWO 16/3
 1050 0754 USA KTCT San Mateo CA w/all sports format, recorded commercials, ident as
 The Ticket 10-50T. Clark Mar 15 Also heard at 1107 Mar 18
 1060 0611 USA KYW Philadelphia PA with own All News Radio format, regular idents as
 KYW Newsradio, past 0635. Clark Mar 18
 1180 0526 USA Radio Marti Marathon FL fair in Spanish to Cuba, one of the earliest fade-
 ins, followed quickly by KOMA 1520. Clark Mar 18
 1320 0751 MEXICO XEJP Radio Variedades Mexico City with ident, fair. Clark Mar 15
 1510 0715 USA WLAC Nashville TN, poor-fair w/list of stations on truckers network including
 one in Victoria BC. Ormandy Mar 13
 1560 0747 MEXICO XEFAJ R Consentida, MEXico City, good signal w/ time-check then canned
 id & Mexican ballad. Ormandy Mar 13
 1620 0712 USA KAZP Bellevue NE, presume the one here dominant with ESPN sports promos.
 Ormandy Mar 13 Clark Mar 18
 1640 0734 USA KDIA Vallejo CA with Catholic Family Radio talkshow, good. Clark 14,16/3
 1650 0957 USA KGIL Beverley Hills CA dominant with station promos, commercials, jazz
 music format. Clark Mar 18
 1670 0652 USA WTDY Madison WI w/ Art Bell talk, news 0700, local ID 0706. BC 14/3
 1700 0749 USA KTBK Shermans TX with idents for Sports Radio 13-10I and KTCK Dallas-
 Fort Worth, good. Dallas area commercials, Sports Center promos Clark Mar 14

Caribbean
 690 0725 ANGUILLA Caribbean Beacon, poor in 693 slop w/relig prog //1610. Ormandy
 Mar 14 0728 Dr Gene Scott's telephone numbers // SW 6090 good but soon under
 glorious mix of CBU, XETRA and KQM. Clark Mar 16
 710 0734 CUBA R Rebelde, good w/ballads, better than //5025. Ormandy Mar 13
 800 0821 NETHERLANDS ANTILLES PJB Radio Transmundial, Bonaire, still a dominant signal
 even if power has been reduced to 100kW and antenna bearing changed. PWO 13/3
 830 0639 ST KITTS Trinity Broadc Net with usual tele-evangelism programming //7510 not
 on air. Ormandy Mar 16
 1610 0612 ANGUILLA Caribb Beac, poor-fair but clear w/usual Dr Gene Scott relig. PWO 13/3

Gran Colombia
 540 0919 PERU R Inca del Peru, Lima, fr sig w/NZers phased, running relig prog. PWO 15/3
 580 0643 PERU R Maria, Lima, dominant w/benedictions, at 0700 synd relig. PWO 15/3
 620 0914 PERU R OvaciUn, Lima, poor-fair w/het from 621 semi-local though phaser pro-
 duced loggable audio, all-relig prog. Ormandy Mar 15
 640 1005 PERU Radio del Pacifico, Lima with folk songs // SW 4975. Clark Mar 18
 660 0631 PERU Unid w/Radiomar programming in // 760 any ideas? Clark, Ormandy Mar
 15 Also hrd at 1102 with Radiomar ident. Clark Mar 15
 730 0729 PERU R Programas, Lima, fair sig w/all-talk frmt, news, interviews etc. PWO 16/3
 750 0632 COLOMBIA HJDK CARACOL Medellin, good w/"La Radio de Colombia" id & news
 stories. Ormandy Mar 15
 760 0633 PERU Radiomar, Lima, w/tropical music, shouted id over mx in //660. PWO 15/3
 770 0623 COLOMBIA HJKH RCN Bogot, fair signal with talk on technology in Colombia.
 Ormandy Mar 15 0630 dominant with RCN network idents. Clark mar 16

780 0756 PERU R Victoria, Lima "La Voz de la LiberaciUn" weak signal, not as strong as in
 the past. Ormandy Mar 16
 790 1019 PERU R Programas, Lima, fair signal w/ male announcer & female announcer
 swapping news stories. Ormandy Mar 18
 820 0642 COLOMBIA CARACOL Cali, good o/R Libertad w/music prog, introducing mem-
 bers of a group. Ormandy Mar 18
 840 0859 COLOMBIA HJKK Neiva, fair sig at apparent sign-on, full id & promo. PWO 15/3
 860 1013 VENEZUELA R Mundial, San CristObal, up w/ time-check, ID & lively mx. PWO 18/3
 880 0640 PERU Radio Union, Lima fair with pops, //6115 much stronger. BDC 16/3
 958.7 0911 UNID tent. Peruvian R Lider del Norte, weak signal w/huayOos. Ormandy Mar 15
 960 0744 PERU Radio Panamericana, Lima with Latin rhythms, ident 0745. Clark Mar 15
 1000 0600 COLOMBIA HJAQ Caratagena presumed the RCN Network station with time
 pips, RCN jingle, fair. Clark Mar 15
 1080 0644 PERU Unid station relaying "Radio La Luz" an evangelical program. Mentioned a
 rally in Amauta (can't find the town anywhere). Used the phaser to minimise 1ZB to
 barely audible. Ormandy Mar 17
 1110 0707 COLOMBIA HJJP Villavicencio presumed the CARACOL network station with
 news programme, net ident 0710. Clark Mar 15
 1110 0951 UNID tent. Radio Antarqui, Lima, w/relig prog, announcer must own the station as
 he wouldn't get behind the mic with a voice like his! Ormandy Mar 16
 1230 0619 COLOMBIA HJLK R Calidad, Cali, fair sig w/ballads, despite 1233 QRM. PWO 13/3
 1300 0830 UNID pres. Peruvian with id like "Radio -concordia" sounded like "Disconcordia"
 but that doesn't make sense. Carried relig programming and tuned out at 1054zO
 which is sunrise at Cuzco so could be a new call-sign for R Onda Imperial. PWO 18/3
 1319 0942 UNID weak Latin w/non-descriptive instrumntal mx, faded before long. PWO 15/3
 1340 0648 COLOMBIA Radio Cadena Nacional 'Radio Uno' Bogota, with popular Latin
 vocals, RCN ident 0658. Clark Mar 16
 1460 0647 COLOMBIA Emisora Nuevo Continente, Bogot, fr sig w/syndicatd relig. PWO 13/3
 1470 0614 PERU Antena Uno, Lima, consistently the best Latin signal, usually with all talk, ph
 callers and interviews. Not bad for listed 25kW. Ormandy Mar 13 0702 strong with
 idents for CPN Radio, then news. Clark Mar 15

El Cono Sur
 610 0922 URUGUAY Radio Capital, Montevideo, ilk about "El Teatro de Verano" being held
 in the capital. Ormandy Mar 17
 630 0727 ARGENTINA R Rivadavia, good signal right o/NZer with relig prog. Phaser was the
 magic ingredient. Ormandy Mar 18
 640 0800 ARGENTINA R Nacional Rio Grande, sat here waiting for something to appear out
 of the large carrier, never eventuated, though I did get a nice id for this one at 0817,
 which was running all-ilk. Ormandy Mar 17
 670 0905 ARGENTINA R Mar del Plata, poor-fr in 3YA slop w/id & weather brief. PWO 17/3
 680 0845 BRAZIL R Farroupilha, Porto Alegre, up poor-fair mixed R Cerealista w/PP relig
 prog. Ormandy, Clark Mar 17
 700 0830 ARGENTINA LV3 R COrdoba, good signal w/id then news program. Ormandy Mar
 14 Solid signal 0707 past 0845 with talkback format, occasional tangos. BDC 17-18/3
 750 0835 ARGENTINA R Nacional, COrdoba, w/report from correspondent then newsreel
 feature. Ormandy Mar 14

760 0859 CHILE CB76 R Cooperative, Santiago, up nicely w/list of station locations in network. Ormandy Mar 17

790 0838 ARGENTINA LR6 R Mitre, Buenos Aires, up nicely w/jingle id then ads. PWO 14/3

830 0900 ARGENTINA LU14 R Provincias, Santa Cruz, beautiful signal at sign-on w/ call-sign etc. Used Copland's "Fanfare for a Common Man" as theme tune. PWO, BDC 17/3

840 0916 ARGENTINA R Bahía Blanca, poor-fair w/news stories including a report from Hollywood. Ormandy Mar 14. Also heard sign-on at 0900 using sea-bird calls as background. Clark Mar 17

850 0903 URUGUAY R Carve, Montevideo, vgd signal w/ads etc, slogan "Carve de noticias" then news. Ormandy Mar 17 0931 ident as "Radio Carve en Montevideo" Clark 17/3

870 0919 ARGENTINA LRA1 R Nacional, Buenos Aires, poor-fair in 873 slop, female announcer with sombre presentation. Ormandy Mar 14 Good 0916. Better on //6060. BDC 17/3

920 0904 PARAGUAY R Nacional del Paraguay, Asuncion, poor signal w/male announcer and mx, noted // of 9737 but didn't last. Clark, Ormandy Mar 18

930 0823 URUGUAY Radio Monte Carlo regular with news, tangos, frequent spoken and sung idents, past 0930. Clark Mar 17

940 0804 BRAZIL Sistema Mundial LBV, very good signal with plenty of ids etc. Great listening! Clark, Ormandy Mar 18

1010 0859 ARGENTINA R Rio Cuatro, dominant o/unid co-channel with morning show, using cock-crows. Ormandy Mar 14

1060 0722 CHILE R Santa María de Guadalupe, Santiago, tuned onto an id then gospel music. Ormandy Mar 17

1090 0923 URUGUAY R Imparcial, Montevideo, poor-fair w/tangos in het from 1089. Ormandy Mar 14 0816 dominant this day on news format. Clark Mar 17

1100 0705 BRAZIL R Globo, S.,o Paulo, w/heavy echo on id, mx, pr-fr in 1098 slop. PWO 17/3

1120 0707 ARGENTINA R Atlántica, Mar del Plata, fair signal w/beautiful tango. If you hear a Latin on 1120, very gd chance it's this one as nothing else dominates here. PWO 17/3. Dominant with news, talk & tangos 0711 past 0800 when ident given. BDC 18/3

1130 0906 URUGUAY Radio Nacional, Montevideo, mostly spoken prog, dominant over several nights. Clark, Ormandy Mar 14, 18

1150 0923 ARGENTINA R Brigadier Lopez, Santa FÉ, fair signal on peak with string of ads for local businesses, heard well over subsequent nights. Ormandy Mar 14 0741 music and talk format, ident and temperature check 0747. Clark Mar 16

1170 0711 URUGUAY Radiomundo, Montevideo, pres.the one here w/relig prog giving details of a rally in Montevideo. Ormandy Mar 17

1190 0704 ARGENTINA R America, Buenos Aires, fair signal w/news items. Ormandy Mar 14

1220 0827 BRAZIL R Globo, Rio de Janeiro, poor in 1224 slop though did peak for an id and surfaced during the evening with the odd announcement. Ormandy Mar 18

1270 0652 ARGENTINA R Provincias, male announcer & female announcer DJs, chatty show, time-check & temperature. Ormandy Mar 18

1280 0624 BRAZIL Super R Tupi, Rio de Janeiro, lively music then id & quick fade. Heard over several nights, best on Mar 18. Ormandy, Clark Mar 16, 17,18

1308.3 0935 ARGENTINA R Nacional, Gualeguachu, noted during quiet music on semi-local 4XD Dunedin, w/female anncr & ads. Also noted 18/3 signing on at 0900. PWO 14/3

1320 0832 BRAZIL R difusora Boas Novas, Riode Janeiro, tent. the on ehre w/Portuguese relig programming. Worth a tentative report at the least. Ormandy Mar 18

1350 0553 ARGENTINA R Buenos Aires, poor signal in apparent Portuguese, or a Brazilian with heavily accented Spanish, into Spanish after 0600. Ormandy Mar 17 0655 smothering Radio Sport, full ident 0702. Clark Mar 17

1380 0601 CHILE CB138 R Corporación, Santiago, good, clear signal in Spanish despite local sin on 1395. MA w/id then fanfare & ilk. Ormandy Mar 15

1620 0557 ARGENTINA R Tropical, Buenos Aires, weak to start with but gaining in strength, heard past 0620 w/relig all the way. Ormandy, Clark Mar 18

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

NEW ZEALAND Christchurch's 88 Country AM 1593 uses 2.5kw from the Rhema site at Marshlands. Tower is 90 metres high, almost exactly 5/8 wave for 1593. Licenced for 5kw non-directional. Working on audio problem to improve fringe area reception. Promoted as 'high powered' because FM uses 300mW on 88.6 FM. FM transmitter is on top of 30 storey Hotel Grand Chancellor and gives good metro reception, 'but nothing like 1593'. QSL signer is John Peterson. (David Ricquish) Address for reports is 590a Colombo Street, Christchurch. General Manager John Peterson DXes with a Superadio. (Keith Robinson)

Waatea 603 Auckland verification signer is June Jackson. Address: Manukau Urban Maori Authority, P.O. Box 23398, Papatoetoe. (Keith Robinson)

I have found contact details for the Community Radio Network (old 1ZA, 1ZO, 1ZU, 3ZE, 4ZW etc) of 12 stations which broadcast from Taupo. General Manager is Brian Jennings, Community Radio Network, PO Box 952, Taupo. Tel: (07) 378 2600, Fax: (07) 377 0289 and e-mail: brian.jen@extra.co.nz (David Ricquish)

AUSTRALIA Alive AM is a religious programme aired by 2AM 1620kHz and noted at 1829 UTC. Mailing address for programme given as Post Office Box 545, Eastwood NSW 2122. (Keith Robinson)

The Olympic Games must be a factor in the early adoption of Summer Time this year by Australian states New South Wales, Victoria plus the Australian Capital Territory. They will change to UTC + 11 hours at 0300 hours local time on 27 August this year. This is some 2 months earlier than usual and potentially provides DX opportunities on MW, when stations sign on an hour earlier than usual. (Bryan Clark)

DOMINICAN REPUBLIC New Santo Domingo stations are Antena Cien 1380 and Radio 13-60 AM on 1360. Radio Vila has moved from 1330 to 1480. Radio Visión Cristiana is on 1330 with religious & foreign programming. (Cesar Obijo NRC DX News 1/00)

EL SALVADOR San Salvador stations Radio Internacional La Máxima, 1020 and Cadena Cuscatlán 1550 now both carry religious programme 'La Voz de la Liberación, 24 hours a day. Most commercial MW stations in El Salvador have financial problems competing with FM stations. (H.Molina ARC 2/00 via NRC's International DX Digest)

GERMANY Mega Radio 1575 at Burg will commence transmissions early 2000 with night-time power of 500kw. (RadioRed 10/99 via NRC IDXD)

HONDURAS Radio America is kind enough to list all principal FM-and AM radio stations in Honduras on it's web site <http://www.radioamerica.hn/> The list (in regional order) is on page http://www.radioamerica.hn/page_6.htm (Pentti Lintujärvi, HCDX via IRCA)

JAPAN NHK-Hamamatsu 1(JODG) has changed frequency from 999 to 576 kHz. Recently, NHK-Hamamatsu has relayed NHK-Shizuoka (JOPK 882) 's programmes, and thus identifies as "Shizuoka daiichi hoso, JOPK". However, at sign on and signoff, local identifica-

tion can be heard. (Osamu Aikawa, via Patrick Martin IRCA)

MAURITIUS MBC Chief Engineer A. Pather says all frequencies operate 24 hours — 648 and 819 with 10kw, 1575 with 2kw. Rodrigues Island, 600km east of Mauritius is 2kw on 1206. (J.Patala SDXL via Olle Alm viz NRC IDXD)

NETHERLANDS The owners of Delta 171 are working with the Dutch authorities to prepare and submit revised technical documentation to the ITU in Geneva because of concerns expressed by the French Government. At a major international frequency conference in the 1970's, the Dutch were allocated the frequency of LW 171 kHz for a 500 kW transmitter at Lopik, with an antenna pattern that was designed to cause no adjacent channel interference to France-Inter on 162 kHz. However, the plan now is to build the station on a platform in the North Sea, and use much higher power. Although the signal will be beamed westwards into the UK, the French have expressed concerns that the technical arrangements do not comply with what was agreed back in the 1970's. Under ITU regulations, they have a right to lodge an objection, which they have done. This sets in motion a chain of bureaucratic procedures, which are currently being worked through. (Andy Sennitt Radio Netherlands via C.Mayer, HCDX via IRCA DX Monitor 3/00)

PHILIPPINES: Updated information from a Japanese monitor:

1287.0 DXRP, RGMA network in Zamboanga City.

1476.1 DXRJ-AM, Rajah Broadcasting Network. DXRJ-FM is located in Cagayan de Oro City, so perhaps DXRJ-AM is in the same city?

1548.0 DZSG (or DZFB) Super Radyo 15-48, RGMA network, Dagupan City.

1674.0 DZBF-Radyo Marikina, running 1kw, noted to signoff at 1130 UTC. (Hideki Watanabe Japan via B.Mjelde, HCDX via IRCA DX Monitor)

POLAND: seems to be now regularly on 198 kHz (0800-1700 UTC) with PR3 and parliament sessions. (Karel Honzik via HCDX via IRCA) There seems to be only two active Polish AM stations. The other one is LW 225 kHz. 1368, 1305, 1206, 1080, 819 and 738 kHz are free for long-distance reception. 720 kHz has been off the air many years. Poland does not use 1503 kHz any more. Religious programming was moved to Russia 1494 at the end of January. (Jorma Mantyla Kangasala, Finland, via HCDX via IRCA)

RUSSIA: Radio Odin Khabarovsk 270 seems to have left the air in late 1999. 675 Obshchestvennoe Radio Primor'ya, a private station in Vladivostok is also no longer heard. 711 Radio Vostok Rossii, Khabarovsk, noted with ID at 0730 as "Reklama 32-71-15, Radio Vostok Rossii". "Reklama" means advertisement. This station started broadcasting in October 1999. 810 Radiostantsia Tikhii Okean via Primorskoe Radio heard at 0815 UTC 24/1 in Russian. IS, ID as "Govorit Vladivostok", parallel LW 243. 1269 R Ussuri, Ussuriysk is a new private station in the city, 100km north of Vladivostok. Heard 25/1 with news & weather at 0901. ID as "Radio Ussuri, kotoroe... i reklama." (Hironao Oguma-Japan 1/00 via Topnews via IRCA) Radiostation "Tikhii Okean" Vladivostok partial schedule: 1900-1945 on 648 // 7345 Khabarovsk, 9885 Vladivostok, 9900 Irkutsk (WWDXC via IRCA) "Since 25 November 1999, 1494 kHz has a new wide diagram shortened aerial system called "Bolshaya Zarya" in use at 258 degrees. Transmissions on 1494 are at 1600 to 2200 UTC daily with Voice of Russia in English, Finnish, Swedish and Norwegian. Please email reception reports to: Mikhail Timofeyev St. Petersburg Russia at pcd00342@mail.admiral.ru (Hard-Core DX via IRCA's DX Monitor)

SRI LANKA Current MW schedule for the Deutsche Welle Tricomalee relay: English 0200-0245 1600-1645, German 1000-1400 1700-2000, Hindi 1515-1600, Urdu 1430-1515. Station operates on 1548 with 400kw, antenna azimuth 35 degrees (ADDX via IRCA's DX

Monitor 3/00)

NORTH AMERICAN CHANGES courtesy of NRC DX News 1-3/2000

- 580 KMJ Fresno CA granted 50kw power day and night U3 but unlikely to be operational at these powers before 2002. (G.Jackson CA)
- 600 WAEL Mayaguez PR construction permit for 5kw day & night U3 is on.
- 850 KOA Denver CO has new address: 4695 South Monaco St., Denver CO 80237. (G.Houdek KS)
- 950 WPEN Philadelphia PA granted 50kw day and night U4.
- WWJ Detroit MI granted 50kw night-time power U4 (CP modification)
- 990 KIKI Honolulu HI format is Dance Contemporary Hit Radio, // FM.
- 1060 KAHU Hilo HI granted 5kw day and night U1.
- 1150 CKX Brandon MB now simulcasting FM as "The new Kicks 101.1 FM, CKXA —FM". AM should go silent by May. (Axelrod MB)
- 1170 KCBQ San Diego CA format is Conservative Talk.
- 1190 WOWO Fort Wayne IN seeks to add 1 tower, .50kw day, 15kw night U2.
- 1210 KPRZ San Marcos CA granted 20kw days, 10kw nights, U4.
- 1250 WDAE Tampa FL call sign is now WHNZ in swapt with 620.
- 1270 CHWK Chilliwack BC has applied to moved to 98.3 FM.
- 1290 WJNO West Palm Beach FL CP for 10kw day, 4.9kw nights U4 is on.
- 1380 KTOM Salinas CA back with C&W "Your Country 1380". (M.Hawk CA)
- 1430 KLO Ogden UT construction permit 10kw day, 5kw night U4 now on.
- 1460 KTXS Salinas CA returned 9/1 "1460 the Dude" w/ One-on-One Sports.
- 1550 KVAN Vancouver WA granted 50kw days, 12kw nights U2.
- 1570 CKTA Taber AB is now operational on FM & the AM is scheduled to go off air in "4 months".

U.S. EXPANDED BAND REPORT (thanks to IRCA members 1-3/2000)

- 1620 WTAW College Station TX is the latest X-Bander on the air — first reported on 31 March at 0600 UTC w/ Art Bell programme. (Martin OR)
- 1630 KNAX Clovis CA don't expect to be on the X-band for a couple of years. (Jackson CA)
- 1650 KBJD Denver CO is new since early January w/contemporary Christian music, idents as "1650 The Beat." (Pimblett AB)
- 1660 WQSN Kalamazoo MI prepared card QSL after 2 follow-ups. Station address: 4200 W Main St, Kalamazoo MI 49006. (Jackson CA)
- 1670 KSUL Moreno Valley CA granted 10kw day, 9kw night DA-2.
- 1690 KSXX Roseville CA should be on air in March 2000 per card from the Head of Freedom Communications. (Jackson CA)
- 1700 KCHT Astoria OR should be coming on sometime this year, according to the new owner. They will be talk format //1370 for 5 years and then turn 1370 off. (Jackson CA via Pat Martin)
- WAFN Miami FL verified by Cindy Roman; 8525 NW 53rd Terrace, Suite 109, Miami FL 33166. (Martin OR)

NORTH AMERICAN "AM SLOGANS LIST" is the latest publication from the International Radio Club of America. Completely revised by IRCA member Rich Toebe to February 2000 to include X-Band stations, this 24 page "DX Aid" can be yours for only US\$4.50 postpaid to addresses outside North America. Write to IRCA Bookstore, 9705 Mary NW, Seattle WA

98117-2334 (all cheques payable to Phil Bytheway)

NEW RADIO FORMAT HITS THE AIRWAVES!

High-tech Silicon Valley workers will soon be able to turn off the soft rock and tune in to software news on their car radios. Technology news and information company CNET Inc. and radio broadcaster AMFM Inc. announced 4 January that they will join forces to create CNET Radio, the country's first all-tech radio format. It will be launched in San Francisco on AMFM's KNEW 910 AM station, and the companies plan to develop the new format in the San Francisco Bay area, with plans to roll it out nationally by the end of 2000. Broadcasting from CNET's San Francisco studios, CNET will produce daily tech-focused news radio programming, from the start of the morning drive to the end of the evening commute. CNET Radio will draw on CNET's extensive experience producing technology news and information online and on television. CNET Radio will have a companion Web site at www.cnetradio.com which will feature live streaming audio of CNET Radio broadcasts, as well as information on CNET Radio programming and talent, useful Web links, and other resources for the listener community. (via IRCA DX Monitor 2/00)

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

WELCOME TO NEW & REJOINING MEMBERS: MIKE OSBORNE, 3/270 Lake Road, Takapuna, Auckland, and BILL SMITH, W5USM, 4908 Peachtree Lane, Sachse TX 75048, USA (via Barry Williams) Bill is a respected North American shortwave DXer. Welcome Bill and welcome back Mike!

CONGRATULATIONS! On behalf of all members, we wish our Chief Editor ANDY GARDNER and his new bride ANA every happiness for a long married life together! The wedding was scheduled to take place in Guadalajara Mexico on 15 April.

LOST MEMBER We have had 2 issues of the DX Times returned 'gone no address' for longtime Christchurch member DAVID DWYER. Can anyone help us locate David?

FORWARD PLANNING REQUIRED Mark your calendars now for the DX social event of the year 2000 — the Annual General Meeting and Mini-Convention to be held at Auckland's Motu Moana Scout Camp at Green Bay from Friday afternoon 13 October to Sunday afternoon 15 October. For long-range planners, the North Otago Branch will be hosting Convention 2002 in early 2002. European DXers have already signalled their intention to travel 'down under' for this event, so you need to be there too! For details soon!

BURNET POLLARD BOOKS ON THE MOVE Our member and supplier of radio-related publications MICHAEL POLLARD is will shortly relocate to Christchurch. During the move, there may be a slower turnaround on book orders. In the interim, his address and email remains unchanged: PO Box 149, Otaki, telephone 025-453-033, fax number 06-364-5455, .email: books@radiodx.com

FROM THE COMPETITIONS SECRETARY Our Competitions man ARTHUR DE MAINE asks that, when members contribute their QSLs details to Shortwave Mailbag, they include the name of the country QSLed. This will make Arthur's job easier when he is issuing certificates to Best of the Month winners.

Promote the DX League on the Internet - use your free [@radiodx.com](mailto:radiodx.com) e-mail address!

branch.news@radiodx.com

Auckland

The Auckland Branch held a DXPedition over the weekend of the 17th March 2000 at Waipu Cove. There were 6 in attendance and were; Malcolm Holmes - Dxpediton Organiser, Jim Pope - Chief Cook (and Bottle washer? - CE), John West - Technical Expert, George (Yuri) Muzyka - Computer/WINRADIO Expert, Phil Van de Pavered - Aerial Expert, Daniel Bloomfield - Youth of today Expert/Branch President.

Friday night saw some mediumwave DX'ing with everyone getting jealous of Phil's aerial that seemed to be working best at mediumwave but also better on shortwave than other conventional longwires that the rest of us were using.

Phil's secret seemed to be 100m groundwave antenna at 30 degrees with a 9:1 balun, earthed and finally using 15m as a lead into the house - the later seemed to really do the work as he wasn't getting really any noise at all. Phil also used a pre-amp which helped even more. Maybe something people might want to try.

Saturday saw Malcolm Holmes, John West and Daniel Bloomfield headed for a shopping expedition to Whangarei where they made some purchases of accessories for antenna's. Whangarei being Whangarei seems to close a lot earlier than Auckland on Saturdays but they were able to map out some more shops to check next time. Saturday night saw more playing around with aeriels and reading magazines (the radio kind).

Sunday was the regretful pack-up day - once again everyone says they don't want to go home and think of what excuses they can give to the wife for an extension. Overall a great weekend was held by all. Below are some loggings of League Treasurer, Phil Van de Pavered.

17-Mar	0658	760	KGU Honolulu
17-Mar	0718	690	Radio Disney "Radio Disney, we are here" // 1580
17-Mar	0728	666	RFO Noumea // 738 when not used by NZ
17-Mar	0752	1130	CKWX VanCouver Talkback
18-Mar	0656	1120	KPNW Coast to coast AM Talkback, Guest Dr.Chauver?, religious
18-Mar	0720	870	KAIM Honolulu Religious
18-Mar	0751	850	KOA Denver, CO Program: 10 seconds on KOA
18-Mar	0804	750	KXL Portland CBS news, followed by ID
18-Mar	0810	1638	2ME Radio Lebanon, Thornleigh NSW Arabic music etc
18-Mar	0820	1665	2MM Greek Radio, Kingsgrove NSW -Greek music etc (surprised?)
18-Mar	0830	1683	Radio Club AM, Earlwood, NSW Greek music etc
18-Mar	0850	1660	KXOL Utah, "Radio 1660 here in the mountains" Old time music
18-Mar	0859	1701	2** Sydney Nonstop C&W (Interf.from foreign speaking stat.)
18-Mar	0909	1674	?? No ID Australia News etc, mentioning smoke alarms
18-Mar	0912	1620	?? No ID Australia
17-Mar	0500	17630	V.O.R. News, talks. // 17660, 15595
17-Mar	0502	17640	BBC News, talks // 17885
17-Mar	0504	17715	KOL Israel News in EE, continues in Hebrew at 0515
17-Mar	0512	17780	WHRI Indiana Religious
17-Mar	0530	15530	Rad.Kuwait ID at 0530 then MX, close at 0545
17-Mar	0926	9905	V.O.R. Talk about Pakistan
17-Mar	0930	9790	Radio Netherlands News, etc in EE // 12065

17-Mar	1000	17485	Radio Prague	News in EE , // 21745
17-Mar	1100	9540	SRI	News in EE
18-Mar	2000	6005	BBC	News, // 6195
18-Mar	2127	17820	R.C.A.	Program ; "Spectrum". // 13650, 11945
18-Mar	0315	11665	Rad.Finland Int.	Finnish lessons
18-Mar	0330	15400	UAE	"Arab encyclopedia", // 13675, closes at 0345
18-Mar	1012	3560	Rad.Pyongyang	Choir music
18-Mar	1027	4830	Radio Tachira,	Venezuela SS
19-Mar	2026	9022	Voice of Iran	ID, transmitting daily in EE from 1930 -2030

North Otago

Meeting held on April 13th at Peter Grenfell's, Attendance was very good. Japan's 50th convention was discussed as the result of an e-mail received. North Otago Museum wanted a QSL identified from the 1930's which belonged to a gentleman of Oamaru.

Discussion about 12 year old boy from down south who wrote to HCJB for information, they in turn got in touch with NZ. Members activities were discussed, which was very interesting. Paul Ormandy explained Frequency Modulation. Alistair Sutherland gave a brief talk about his recent trip to Australia. Raffle was won by Peter Grenfell.

shortwave in time order *with Yuri Muzyka*

Time Order summaries of Under & Over 9MHz loggings. The contributor's name is abbreviated here (for further details please see the Under & Over 9 MHz columns). Please remember to include the date with all your loggings, thanks. 73 - Yuri ("George") Muzyka, ZL1GYM. Author of WinRADIo for Linux/Unix/*nix Program Suite (see: <http://www.linradio.com/sources.htm>), a free software solution.

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0000	15285	WSHB	USA	27/3	RP
0152 - 0430	25870	WFLA	USA	19/3	KVB
0200	9755	RCI	CANADA	28/3	JSB
0200	11865	RCI	CANADA	7/3	RP
0300	9690	CRI	CHINA	29/3	RP
0311 - 0315	15355	R Sultanate of Oman	OMAN	7/3	RP
0316	11705(USB)	R Habana	CUBA	31/3	CC
0318	17825, 21610	NHK/R Japan	JAPAN	27/3	CC
0318 - 0323	11655	YLE R Finland	FINLAND	18/3	GYM
0330	9495	R Sweden	SWEDEN	28/3	JSB
0330	9630	CRI	CHINA	18/3	GYM
0330	9640	D/Welle	GERMANY	18/3	GYM
0330	15560	R Nederland	NETHERLANDS	-	RP
0335	15420	BBCWS	U	29/3	RP
0337	12005, 13625, 15400	R Dubai	UAE	31/3	CC
0339	17675	RNZI	NEW ZEALAND	18/3	GYM
0346	9830	V of Vietnam	VIETNAM	27/3	CC
0400	9730	CRI	CHINA	28/3	JSB

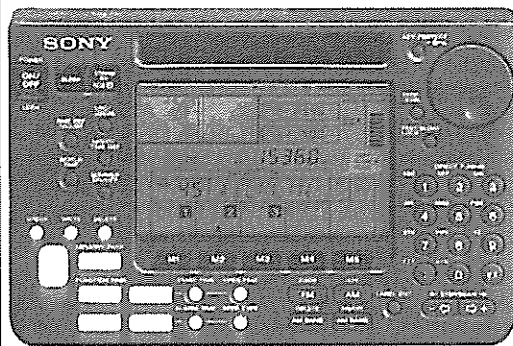
0400	9870	R Ukraine Int	UKRAINE	5/3	IC
0410	21455(USB)	HCJB	ECUADOR	15/3	PRP
0415	17650	VOR	RUSSIA	1/4	RP
0419	11980	RVI	BELGIUM	8/3	PGA
0420 - 0458	9865	R Ukraine Int	UKRAINE	11/3	RP
0430	13590	R Ukraine Int	UKRAINE	15/3	HJS
0438 - 0500	9870	R Ukraine Int	UKRAINE	24/3	PGA
0440	15335	RRI	ROUMANIA	19/3	KVB
0446	13590	R Ukraine Int	UKRAINE	-	RGG
0450	9885	SRI	SWITZERLAND	7/3	PGA
0455	9785	D/Welle	GERMANY	1/4	RP
0456 - 0500	7475	KOL Israel	ISRAEL	20/3	PGA
0500	9670	D/Welle	GERMANY	29/3	JSB
0500 - 0515	7475	KOL Israel	ISRAEL	11/3	RP
0500 - 0530	9690	RCI	CANADA	5/3	RP
0508 - 0510	9435	Kol Israel	ISRAEL	19/3	CC
0510 - 0535	9670	D/Welle	GERMANY	25/3	RP
0516	7255	R Nigeria	NIGERIA	19/3	CC
0520	7125	V of Russia	CIS	11/3	RP
0521	17580	R Australia	AUSTRALIA	17/3	GYM
0530	7180	V of Russia	CIS	-	PGA
0530	17750	R Australia	AUSTRALIA	-	HJS
0530 - 0550	9550	R Habana Cuba	CUBA	5/3	RP
0540	11515	Voice of Hope	LEBANON	24/3	PGA
0540	6055	REE	SPAIN	8/3	KAB
0548	6015	ORF	AUSTRIA	8/3	KAB
0550 - 0600	7255	V of Nigeria	NIGERIA	1/3	KAB
0554	9560	CRI	CHINA	18/3	GYM
0558	9565	D/Welle	GERMANY	18/3	GYM
0600	6045	RCI	CANADA	29/2	IC
0600	9530	RRI	ROMANIA	28/3	JSB
0600	11880	Croatian Radio	CROATIA	28/2	IC
0600 - 0615	11640	TWR	SOUTH AFRICA?	19/3	RP
0600 - 0628	6150	RCI	CANADA	25/3	RP
0600 - 0629	11905	BBC WS	GT BRITAIN	11/3	RP
0620 - 0635	6185	Vatican Radio	VATICAN	11/3	RP
0628	7225, 9565	DW	GERMANY	18/3	GYM
0630	11805	R Georgia	GEORGIA	15/3	PRP
0630	11845	BBC	GT BRITAIN	14/3	RP
0630	21455(USB)	HCJB	ECUADOR	15/3	PRP
0630 - 0700	6458(USB)	AFRTS	USA	12/3	RP
0630 - 0700	12689(USB)	AFRTS	USA	18/3	RP
0632 - 0634	3955	BBC WS	UK	6/3	KVB
0632 - 0700	11825	VOA	USA	25/3	RP
0633 - 0700	7170	VOA	USA	18/3	GYM
0635 - 0700	5995, 7170	VOA	USA	GYM	18/3

0700	6150	University N/W	COSTA RICA	25/3	RP
0700	9570	RKI	SOUTH KOREA	28/3	JSB
0700	21480	RRI	ROMANIA	-	RGG
0700 - 0721	17720, 21480	RRI	ROAMNIA	18/3	RP
0702 - 0720	21705	R Slovakia Int	SLOVAKIA	-	RGG
0704	17750, 21725	R Australia	AUSTRALIA	18/3	GYM
0720	6130	CHNX	CANADA	1/3	BML
0730	15485	BBCWS	GT BRITAIN	19/3	RP
0730 - 0745	17830	BBCWS	UK	19/3	RP
0740	6090	University N/W	ANGUILLA	16/3	PRP
0740	9370.8	WTJC	USA	5/3	HJS
0745	15200	KTWR	GUAM	16/3	CC
0747	5950	R Taipei Intl	TAIWAN	29/2	CC
0750	3210	WWCR	USA	-	PGA
0754	6975	RFPI	COSTA RICA	29/2	CC
0758	5070	WWCR	USA	18/3	GYM
0758	15110	R Kuwait	KUWAIT	2/3	HJS
0759	11600	R Prague	CZECH REPUBLIC	29/2	CC
0800	5020	SIBC	SOLOMON IS	16/3	CC
0800 - 0830	9780	HCJB	ECUADOR	11/3	RP
0803	4890	Port Moresby	PNG	18/3	GYM
0811	13820	Croatian Radio	CROATIA	10/3	EMM
0819 - 0821	5020	SIBC	SOLOMON IS	18/3	GYM
0819 - 0830	4835	Alice Springs	AUSTRALIA	8/3	KAB
0820	9615	KNLS	ALASKA	16/3	CC
0820 - 0900	21530	Amateur Radio Parade International	?	-	?
0825	5935	WWCR	USA	8/3	KAB
0830	4890	Port Moresby	PNG	8/3	KAB
0830	15350	VOT	TURKEY	26/3	EMM
0830	21830	BBCWS	GT BRITAIN	12/3	RP
0833	21650, 21765	ORF/R Austria Int	AUSTRIA	18/3	GYM
0840	3935	ZLXA	NZ	8/3	KAB
0850	5030, 6150	University N/W	COSTA RICA	22/3	IC
0900	11590	CHBC	CHINA	25/3	RP
0930	9795	R Nederland	NETHERLANDS	28/3	JSB
0930	9795	R Nederland	NETHERLANDS	1/4	RP
0930 - 1000	21820	R Australia	AUSTRALIA	25/3	RP
1001	15360, 17640	BBCWS	UK	18/3	GYM
1004	6195, 15360, 17640	BBC WS	UK	18/3	GYM
1015	9695	NHK/R Japan	JAPAN	26/3	RP
1033	6895.4	R San Miguel	PERU	11/3	DN
1100	17680	R Jordan	JORDAN	25/3	LMM
1100	21770	SRI	SWITZERLAND	-	RGG
1130	9865	RVI	BELGIUM	28/3	JSB
1140	9695	NHK/R Japan	JAPAN	-	AMQ
1200	21510	R Ukraine Int	UKRAINE	-	RGG

1200 - 1430	9740	BBCWS	UK	28/3	JSB
1208	15195	RFI	FRANCE	-	AMQ
1230	18960	R Sweden	SWEDEN	-	AMQ
1259	9590	R Singapore Int	SINGAPORE	-	AMQ
1430	9890	R Nederland	NETHERLANDS	28/3	JSB
1500	9580	R Australia	AUSTRALIA	28/3	JSB
1500	9720	V of Mongolia	MONGOLIA	10/3	IC
1530	12070, 12090	R Nederland	NETHERLANDS	27/2	CC
1542	7245, 9885	VOIRI	IRAN	27/2	CC
1550	13675	Vatican Radio	VATICAN CITY	-	AMQ
1600	11615, 15210	RFI	FRANCE	28/3	JSB
1620	9500	VOA	VOA	-	AMQ
1720	15445	VOA	VOA	-	AMQ
1740	13740	RVI	BELGIUM	3/4	AMQ
1800	4770	R Nigeria	NIGERIA	13/3	BML
1820	9760	VOA	USA	18/3	RP
1826 - 1830	15400	BBCWS	UK	1/4	KVB
1833 - 1859	15420	BBCWS	UK	1/4	KVB
1834	4965	R Christian Voice	ZAMBIA?	21/3	PGA
1845 - 1846	3965	R Taipei Intl	TAIWAN	25/3	KVB
1855 - 1900	5050	?	TANZANIA	28/3	PGA
1856	5920, 6055	R Slovakia Intl	SLOVAKIA	31/3	CC
1900	13820	Croatian Radio	CROATIA	8/3	IC
1900	17810	D/Welle	GERMANY	14/3	RP
1900	18910	WSHB	USA	9/3	RP
1907 - 1926	4950	VOA	USA	-	KVB
1910	5975, 7275	RKI	SOUTH KOREA	31/3	CC
1915 - 1945	15390	D/Welle	GERMANY	11/3	RP
1916 - 1930	4965	R Christian Voice	ZAMBIA?	-	KVB
1920 - 1930	9535	R Thailand	THAILAND	14/3	HJS
1930	7190	VOIRI	IRAN	26/2	IC
1930	9022	VOIRIB	IRAN	31/3	KVB
1930 - 1945	13610	D/Welle	GERMANY	7/3	RP
1933	9335.2	R Pyongyang	NORTH KOREA	7/3	HJS
1935	6065	R Sweden	SWEDEN	31/3	CC
1940 - 2000	11980	BBCWS	UK	9/3	RP
2000	5975	BBC WS	UK	12/3	RP
2000	7510, 11605	KOL Israel	ISRAEL	4/3	IC
2000	9890	VOR	RUSSIA	-	TTS
2000	15150	V of Indonesia	INDONESIA	4/3	HJS
2000	15160	R Algiers Int	ALGERIA	10/3	RP
2000	15160	RTV Algerienne	ALGERIA	1/3	IC
2000	15650	Kol Israel	ISRAEL	27/3	HJS
2008	12085	V of Mongolia	MONGOLIA	1/4	BML
2015	9740	BBC WS	UK	25/3	RP
2015	13660	SRI	SWITZERLAND	-	?

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2015 - 2056	5985	R Congo	CONGO	26/3	LM
2019	11605	Kol Israel	ISRAEL	20/3	EMM
2025	17885	VOA	USA	25/3	HJS
2030	9680	R Thailand	THAILAND	1/4	RP
2030	17650	WHRA	USA	-	HJS
2030 - 2040	15435	Voice of Africa	LIBYA	1/3	IC
2030 - 2045	9710	RAI Int	ITALY	8/3	RP
2042 - 2050	15150	V of Indonesia	INDONESIA	31/3	BDC
2045	11715	AIR	INDIA	-	HJS
2045	13750	R Habana	CUBA	-	AMQ
2050	7250	R Vaticana	VATICAN	24/2	IC
2050 - 2110	7150	AIR	INDIA	7/3	IC
2100	9340(USB)	WCBQ	USA	27/2	IC
2100	9910	AIR	INDIA	25/3	RP
2100	17560	D/Welle	SRI LANKA	6/3	RP
2105 - 2129	11565	WYFR	USA	6/3	RP
2115 - 2146	15135	D/Welle	GERMANY	8/3	RP
2120	9680	REE	SPAIN	-	AMQ
2130 - 2203	6165	ZNBC	ZAMBIA	26/3	LM
2136 - 2200	9990	R Cairo	EGYPT	11/3	KVB
2226	11995	BBCWS	GT BRITAIN	31/3	EMM
2330	15565	RVI	BELGIUM	28/3	JSB

marketsquare@radiodx.com

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

BOOK REVIEW: THE AIB GLOBAL BROADCASTING GUIDE reviewed by Mike Butler

This is a neat 15 x 21cm booklet of around 30 pages setting out the schedules of international shortwave broadcasters in an easy-to-read format in alphabetical order of country then broadcaster's name. Included are postal, web and e-mail addresses as well as phone and fax numbers for each broadcaster.

Not included are English speaking DOMESTIC shortwave broadcasters such as the Solomon Islands Broadcasting Corporation, Papua New Guinea National Broadcasting Corporation, Radio Malaysia and Radio Nigeria. This may disappoint some listeners. Many private, mainly religious, stations are also excluded.

Although the target areas of transmissions are shown, no details of the locations of transmitting sites are given. This makes it impossible to estimate how well a frequency will work into your region-if yours is not in the target area - and even if it is!

The booklet is published in January and May. As the seasonal schedule changes occur close to the beginning of the months of November and April it means that at least three months of your year's listening will not be accurately served by the publication - ie. November, December and April. However, full marks must be accorded to the Global Broadcasting Guide for at least supplying an update - which is more than can be said for the two most prominent shortwave bibles!

Unlike local DX sessions and local monthly publications reporting ACTUAL reception, the booklet is unable to indicate whether a particular frequency will perform well at your location - so it is left to you to try all the frequencies listed. Also, stations sometimes make alterations AFTER the seasonal change-over date for which the booklet cannot possibly cover.

To attempt to ascertain the level of accuracy/freshness of the data supplied, I checked about 50 items against my log and found the following frequencies missing in the JANUARY issue:

1. first logged September 1999, rechecked February 2000 - Australia 11550 at 0900 UTC;
2. logged or checked November 1999, rechecked January or February 2000 - Austria 6015 at 0630 UTC, Thailand 9535 at 1900 UTC, Germany 12055 at 0900 UTC, Russia 9830 at 1900 UTC.

So the booklet is not infallible - but largely correct.

In having solely a country/broadcaster listing, this Guide of course cannot concisely tell you what reception is available to you during a particular hour. Only a listing by time will achieve this.

Despite these limitations, the little book will be useful to those who have no access to more local and comprehensive sources of shortwave information.

The price of the Guide is approx. \$NZ6.50 per issue or about \$NZ5.70 if a 2 year subscription is taken out - subject to the exchange rate. Precisely in British pounds - £1.95 for a

single issue; £3.50 for two issues; £6.85 for 4 issues, all post paid to anywhere in the world.

Apply to Tom Walters, Association for International Broadcasting, P.O.Box 4440, Walton, CO14 8BX, United Kingdom. Phone/Fax: +44 (0) 1255 676 996 E-mail: tom.walters@aib.org.uk

"THAT CAN'T BE ME!" – TIMOR RADIO UPDATE

When children heard their own voices for the first time on radio, they could hardly believe their ears. Popping eyes said 'That's not me! It can't be!' But it was. Using only a single microphone connected to a cassette recorder, in turn plugged to a 20 watt FM transmitter, the signals went up the cable and radiated from a simple dipole antenna to the community for a few kilometres around.

This experiment was conducted in the streets of towns in East Timor - Manatuto, mainly with young children; in Baucau, at the municipal market with two CNRT (National Council for the Resistance of Timor) representatives explaining the concept of radio run, owned and managed by the community. In Lospalos, with the help of CNRT and Church leaders, over 60 people including farmers and young students, came on Sunday to discuss the possibilities of their making radio programmes. Asked about the use of radio, one farmer said 'We are in the fields all day, what can we know about the rest of the world without radio?'

Leading the experiments were Louie Tabing, Manager of the Philippines-based Tambuli Community Radio Foundation, and Romy Carballo, Senior Broadcast Engineer, also of Tambuli; Choy Arnaldo, UNESCO Headquarters and Griet Dierckxsens, UNV staff member of the UNTAET Office of Communication and Public Information (OCPi), Dili. Griet was especially helpful as her fluent bahasa quickly won people over to speak freely, and coaxed some bashful ones to sing. She also explained community radio and animated several discussions.

It was not simple at first to explain the difference between community radio and the transmissions of UNTAET radio available only in Dili and not yet in any of the districts. 'Community radio,' said Louie Tabing, 'is radio that is owned, managed and produced for the people and by the people.'

After meeting around the table, we invited the leaders to take the microphone and explain to the public on the air, what community radio was and what it could do for Baucau. They said it more eloquently than ourselves in Tetun and Behasa.

Baucau was fortunate to have a strong District Administrator, Ms Sarwa Sultana whose dynamism and warmth were overwhelming. She organised a group of some 20 community representatives. She was able assisted by Ms Liezl Rich, District Field Officer (DFO), from South Africa who had done some work with community radio there. Many of her staff also attended the meeting and supported the ideas.

All the communities visited were eager to participate in the radio project. In Baucau and Lospalos, community leaders themselves took to the airwaves and explained the project to the people gathered and to others listening on their radios. In Lospalos, some speakers also used a fourth language, Fatloka, from the Pacific.

'Costs would be greatly reduced by making use of the existing towers in all these districts,' suggested Liezl and Hugo. Fortunately the new country has inherited a vast and complex system of telecoms and broadcast towers, some with several buildings on the property. These could be used for a standby or daytime generator, transmitter hall, production studios and offices. In districts where the tower is located away from the town proper, such

as Lospalos, suitable radio station premises will be identified in the town and a link will be installed to reach the transmitter.

UNESCO with funds-in-trust from Portugal and a contribution from USAID will provide training experts and equipment. The bigger contribution will be that of the community – their own time, skills, organisations to make programmes, run technical operations and take the day to day responsibility for overall management. 'It is easy to turn on the transmitter,' says Romy Carballo, 'It's much harder to turn on the community.'

Radio receivers remain a major problem. While there are a fair number in Baucau which was less damaged by the post referendum crisis, almost all radios in the other districts were stolen or destroyed. The slow rebuilding of the economy has not yet enabled people to buy radios. Batteries are rare or pricey. For the particular conditions in East Timor it is more relevant to select one of the several models of combined power sources – battery, solar panel, and wind-up generator, though these are still pegged at fairly high prices ranging from US\$35 to US\$60.

But even as these communities prepare for establishing their own radio, two important actions are running parallel: the finalisation of the East Timor Broadcasting Law which states how all broadcasting shall be organised in the country; and the revitalisation of district relay transmitters for the national programme of UNTAET Radio. The first two links are to be established in Baucau and Maliana in the month of March, while the law should reach its finalisation stages by early April. There may soon be new voices added to the airwaves in some districts, whereas up to now only Radio UNTAET and Radio Voz de Esperanza (also called Radio Falantil) radiate on FM in the capital and Radio Kamanek broadcasts on medium wave (1404 kHz).

The real reckoning in community radio is that people will have their own means to seek information as well as to provide information and communicate with each other. When there is free dialogue and free circulation of ideas, informed opinions can be made and decisions for cooperation taken. The basic processes of democracy can be reinforced from the bottom up. Radio, like any other means of communication can speed up the democratic process and make it real and reachable. Radio can make self-determination and self-empowerment a reality for all.

Taken from UNESCO's Internet Website 3/00

RADIO CHRISTIAN VOICE - ZAMBIA - Barry Williams

Radio Christian Voice is located 35 km south west of Lusaka, Zambia's capital. It is sited on an 8000 acre farm and the buildings there include transmitter, generator, studio, production, technical services, canteen, administration and multi-track recording studio. From the nearly completed transmitter site which is full of mango and jacaranda trees, one looks down over the farm to the Kafue River which flows into the Zambezi.

The bush on the farm is a haven for bird watchers. Aside from the farm animals, bushbuck, wild tortoises and rabbits can be seen. Numerous snakes such as Pythons and Black Mambas are found around the farm and occasionally in the radio station. Christian Voice was launched on 1 December 1994 and transmits over a Continental 418E transmitter running 100 kW into a TCI log periodic array antenna. In April 1996 a FM service was opened covering Lusaka and Central Zambia on 106.2 MHz. The program includes gospel music, Bible teaching, and general interest programmes, such as travel, health and agriculture.

The programs are mainly made in the local studios by Africans for Africans.

Radio Christian Voice

Private Bag E606, Lusaka, Zambia Tel. + 260 1 274 251 Fax + 260 32 30282 e-mail. cvoice@zamnet.zm

OSL - Verification of Reception

Christian Voice was heard here in New Zealand during April on 4965 kHz around 1840 UTC with a broadcast in English. The signal was only fair at best. Another Zambian station logged in the same month was the Zambian National Broadcasting Corporation station also based in Lusaka. Their 100 kW transmission was heard on 6265 kHz with English news at 1800. Again, not an easy logging and requiring consistent listening over a week or so to get a good reception report. Have a listen for these two rare stations from Central Africa.

KENWOOD TS570DS TRANSCEIVER

User Review by Barry Williams ZL1ACZ

INTRODUCTION: Some may have noted that, for the first time that I am aware of, an amateur transceiver was reviewed in the 1999 WRTH. Surprised? Well you shouldn't be, as many amateur transceivers have excellent general coverage receiving capabilities and as Kenwood have now dropped the popular R5000 communications receiver, the TS570 is worth looking at, particularly for those DXers who are radio amateurs. When you read the review and the sets ratings then you will see why it is worth considering.

As I am a ham and my old Drake TR4C was increasingly showing its age I decided it was time to replace it. The idea of a transceiver with very good general coverage capabilities made good sense to me and I began to make inquiries. My inquiries did not go on for long as on one of my regular weekly ham schedules with Tony Marr ZL2AGY, I discussed the matter. He advised me that a TS570S was on the market, and he had operated it for two weeks. Tony was a DX League member and very keen DXer during the 60s and 70s, and he knew my requirements. He was impressed with the Kenwood and suggested I contact the owner. This I did, and two weeks later I was the proud possessor of a new transceiver, a TS570S. The S signifies that it covers up to the 6 metre band. One benefit of this I have discovered is that I can now listen on 30 MHz FM to the local portable phones around the neighbourhood.

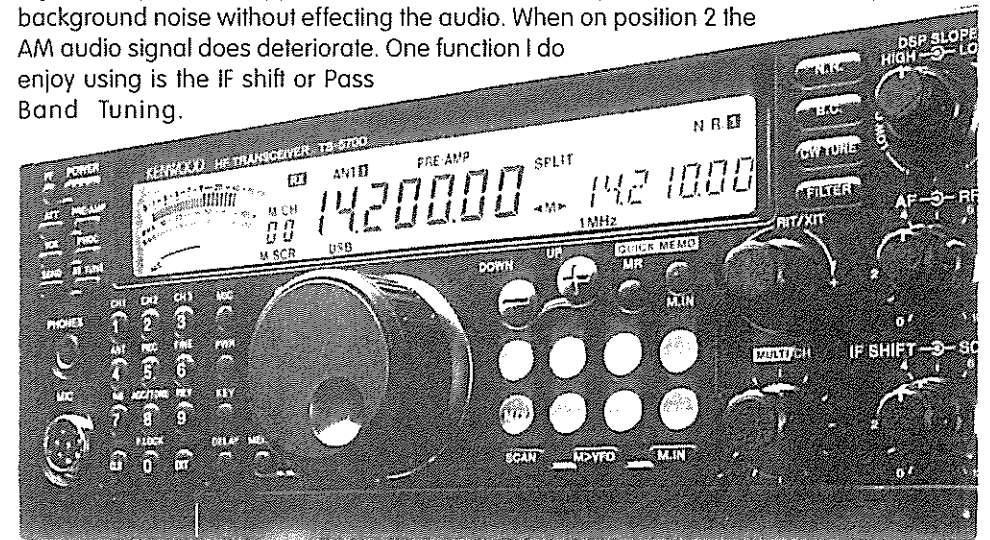
I had to purchase a power supply. The set ran off 12 volts so was suitable for portable use. Although it only needed 20.5 amps for full 100 watt transmission, I purchased a 40 amp. second-hand power supply. On receive mode, I figure it would only draw around 2 amps. Rather than going into the full technical details of the rig I will only give my thoughts and opinion on the receiving side of the transceiver.

TUNING: The first thing that one notices when the set is turned on is the large easy to see LCD display with black figures on a beige background illumination of the dial. The frequency numbers measure 10 mm in height. All functions in use are displayed in smaller sized letters. There is a normal or fine tuning rate and the frequency reads down to two decimal places. The RIT frequency is also shown on the display when the RIT is switched into use. In

addition there a function whereby the frequency can be raised or lowered in 1 mHz steps. A bank of 100 memories, more than enough for me, is available as well as 5 "Quick Step" memory channels which are suitable for fast and immediate use. All in all, the TS570 has all I could want in the tuning department.

MODES: Because the sideband reception is so good on AM signals, I tend to use it all the time for my serious DXing. The audio quality is very good and no re-tuning is necessary then changing modes. The AM mode has a "Narrow" option but as this uses the 2.2kHz SSB filter, I found it too narrow and the audio tended to be distorted. I must admit that I am not too familiar with DSP (digital signal processing) as this is the first set I have used with this luxury in it. To date the receiver has brought through any "tough" signal that I have wanted without needing to use the DSP. I also feel, and would like to know others' opinions, that DSP may be more beneficial to CW and sideband signals rather than AM. The AF stage DSP provides extensive control over received signals reduction. In CW the Bandpass can be reduced down to 50Hz.

FUNCTIONS: The DSP also provides 2 types of noise reduction and its Beat Cancelling function is the most effective I have ever heard. Virtually without any adjustment the interfering heterodyne will disappear. With the noise reduction, position one can noticeably lower background noise without effecting the audio. When on position 2 the AM audio signal does deteriorate. One function I do enjoy using is the IF shift or Pass Band Tuning.



The IF shift facility on the TS570 is effective and used when the going gets tough.

ATU: The rig has an automatic antenna tuning unit built in. Unfortunately for those DXers who are fans of ATUs, it only works on the ham bands. I have never been convinced of the benefit of an ATU so this is of little consequence to me. However, what I did find very convenient is the ability to switch between two antennas, both of which have coax connectors at the rear of the rig.

FAULTS: No receiver is perfect and each individual has their expectations and disappointments. My complaints regarding the TS570 are minor. The 0 (zero key) on the keypad is also the "lock" button and at times when not taking care the key can be pushed and locks the set. One soon learns to check the dial for "lock" and then disable it. Another disconcerting function is that when entering a frequency under 6MHz by key pad a 0 (zero) must be

entered first. If not, then instead of punching 4000kHz one will end with 40000kHz. Again, one gradually becomes used to the correct procedure. No tape recorder output jack is a problem. However I overcame this by using the 13 pin DIN socket located at the rear of the set, which is used for connecting various accessories such as RTTY etc. One pi has an audio output on it, the volume being separately digitally controlled through the menu. After wiring up a lead and jacks and setting the volume the tape recorder now works perfectly on the Kenwood. The set performs poorly on Medium Wave, probably due to attenuation of that band. These are the only complaints I have to date, but even after 6 months there are still a few functions, mainly transmitting, that I have not yet mastered.

Auroral Effects on Trans-Polar Path Signals - Paul Ormandy

As a fervent tropical band and MW DXer, I have long been aware of the role that solar conditions have on reception below 5MHz, particularly affecting certain regions where signal paths pass near the poles and are subject to auroral activity. The lower that activity the more chance of hearing stations from target regions like deep South America and Southern Africa, MW Europeans via long-path and Alaskans (whose signals can start within auroral areas and don't get any further!).

The duration of a solar-cycle is approximately 11 years and the amount of auroral activity allied to the magnitude of solar disturbances which strike the Earth creating auroras around the poles. The level of activity is greatest as the solar-cycle peaks, the current cycle Number 23 is predicted to peak in April 2000 so we can expect the chances of auroral activity this year to be very good and conversely the chances of hearing trans-polar MW signals to be slim.

Auroras appear when highly charged particles from solar flares excite the thin gases of the upper atmosphere and make them glow, hence the stunning "Northern Lights" of the Aurora Borealis and "Southern Lights" of the Aurora Australis. The rise of the cycle from lowest point to peak is approximately 4.5 years and the decline 6.5 years, consequently best reception of trans-polar signals is when the solar cycle is at its lowest (last solar minimum was in 1996, next is predicted for 2007).

In order to make some correlation between auroral activity and trans-polar reception paths, I have used two reference sources. First, I counted all logs reported in the DX Times for the target regions over an 11 year period (1989-1999 inclusive) and compared the data with smoothed sunspot numbers found via www.sunspotcycle.com on the internet.

Rather than display the actual number of loggings reported, I have scaled the years from most loggings to least, i.e. 11 down to 1, with 11 being the year when most loggings appeared and 1 the least. And to provide a scaled comparison with the smoothed sunspot numbers (SSN), I averaged the monthly SSN figures for each year and scaled them with 11 being the year of lowest solar activity and 1 being the highest.

Look for groupings of 9, 10 and 11 in the regional count below aligning with similar numbers in the Solar Cycle count (all shown in bold). To further illustrate the correlation, I have also scored the zones out of 30 (i.e. the three months of lowest activity represented in the charts as 9, 10, and 11, add up to 30, so the higher score per region, the higher the correlation between reception from that area and the solar cycle minimum.

Trans-polar signal paths: Deep South America = 27, Long-Path Euro/African = 28, Alaska = 26. And the mid-latitude signal paths: Caribbean = 19, East Coast North America =

13, Short-Path Euro/African/ME = 24. Therefore we can assume that the strongest correlation is indeed the three target transpolar signal paths. Surprisingly, something I didn't expect, is the strong correlation with Short-Path Euro/African/ME signals and the solar-cycle. As expected the region least affected is East Coast North America.

Scaled Year per Region

Auroral Year	89	90	91	92	93	94	95	96	97	98	99
Deep South Am.	1	2	4	11	6	3	8	10	9	5	7
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
Long-Path Eur/Afric	5	0	7	0	0	10	6	11	9	8	0
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
Alaskans	6	9	7	0	8	3	5	11	10	4	0
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
Year	89	90	91	92	93	94	95	96	97	98	99
Total	1	2	3	10	4	5	8	11	9	6	7
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5

Observations: In order to further display the close correlation between solar activity and the reception of auroral path signals, a chart is appended to this study.

Notes:

A pleasing anomaly if you study the chart below, you'll see that something unusual happened in 1992 (represented by the large peak in the 'Scaled Logs' graph) over April and early May, there was a sudden and unexpected lift in reception from Deep South America. According to a local solar observer, there was a period of around 3 weeks when there were no visible sunspots. And lucky me! I was right in the middle of it, logging deep South American signals like crazy and almost believing that the solar-cycle was headed for a premature demise!

Deep South America is considered to be Argentina, Brazil, Paraguay and Uruguay though I've also included Chile as signals from that country also peak along with the other countries comprising the region. And reception of these signals is possible either side of the maximum, not only did 1992 produce gems from this area, so did 1999 with instances of reception from Argentina, Uruguay, Chile and Paraguay. Likewise, I would expect Deep South Americans to be heard as early into the descent of the cycle as 2001.

Euro/African via long-path refers to European and North African signals, mostly Spain, Germany and France, travelling westwards across the Atlantic, Americas & Pacific, as opposed to 'short-paths' coming East across Asia, the Pacific and Australia which we hear best either side of dawn.

Prediction for 2000: If we apply the 11-year theory, then propagation for 2000 would be similar to 1989, with good reception from mid-latitudes and a steep fall-off in auroral path signals from last year. Astronomically speaking, Solar Cycle 23 is expected to reach a historically high sunspot-count as previously achieved by cycles 21 & 22.

Other Targets: The Caribbean, East Coast North America and Short-Path Euro/African/ME signals.

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Scaled Year per Region- Mid Latitude

Year	89	90	91	92	93	94	95	96	97	98	99
Caribbean	11	9	7	4	5	8	6	10	3	2	1
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
East Coast N. Am	8	11	2	5	7	6	1	9	3	4	10
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
Short-Path Eur-Afric	10	1	4	2	5	9	7	6	11	8	3
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5
Total	11	9	3	2	7	8	1	10	4	5	6
Solar Cycle	1	3	2	4	7	8	10	11	9	6	5

Observations: Overall, with the exception of Short-Path Euro/African/ME signals as observed earlier, the best year for reception from mid-latitude targets was the maximum of the solar-cycle, closely followed by the minimum well, I think we can conclude (and logically so), that auroral activity has least affect on stations from these regions.

Best Months: Applying the above statistics to the target regions, here are the three best months (in order with best month first) for DXing each region: Deep South America: March, April, May Caribbean: March, April, May East Coast North America: February, October, March Long-Path Euro: October, March, April Short-Path Euro/ME: April, March, October Alaskans: October, March, September Overall: March, April, October

The Flip Side: There are positive DX aspects to increased auroral activity too. Eastern Canadian and East Coast USA signals can propagate to New Zealand when solar flares of very high intensity disrupt the Earth's magnetic field causing anomalies. Such receptions are notable by two occurrences, firstly, the audio of the signal sounds rather hollow, like it's coming down a tube and secondly, the direction of the signals is abnormal. I have heard a number of these signals on the 120' Latin aerial that were inaudible on the 75' East Coast USA aerial, despite the latter being a much more direct route.

Another auroral advantage occurs when there local signals are heavily depressed. Listening from Waiānākara, several times all signals from north of Christchurch have either disappeared or have been heavily subdued allowing for reception of mid-latitude signals. This has been noted both around sunset through to early evening and around sunrise one occasion, around 1800z (6 a.m. local) even the Aussies were knocked out and the only signal of consequence left on the band (apart from a few local and semi-locals) was a Japanese station on 1053kHz.

A more indirect benefit is that I've heard some fantastic openings to the West Coast and Mid USA when the A-index (a measure of the disturbance of the Earth's magnetic field over a 24 hour period) has been extremely high. One occasion in particular when the A-index hit 99 (anything over 36 is considered major storm conditions) on Oct '96 it was under 10), Californians were very, very strong.

References: Information on solar activity can be obtained by listening to WWV/WWVH at 18 and 45 minutes past the hour. Mike Bird's solar activity report is carried by radio programs such as Radio Nederland's "Media Network" and Glenn Hauser's "World of Radio" has a 'propagation outlook' from WWV at Boulder, Colorado. More information is available on the internet at a host of sites. Check out www.ips.gov.au or www.sec.noa.gov where you will find lots of useful information as well as links to other sites of interest.

Conclusion: I hope this study has added to your understanding of the implications of auroral activity on DXing. This very brief study of its effects on the reception of MW signals in particular, has given me reason to dig deeper and will be the subject of another article.

ladders@radiodx.com with Peter Grenfell, Oamaru

Thank you to all who have sent in their ladders for this month. Must have been a few gremlins in the February ladders as they were not printed.

MEDIUM WAVE OPEN (Over 500)	QSLs	INC	CNTS	SHORTWAVE OPEN (Over500)	QSLs	INC	CNTS
Laurie Boyer	3944		137	Ian Cattermole	3811	134	197
Keith Robinson	2918		157	Jack Searle	2315	24	207
Paul Ormandy	1484		139	Paul Ormandy	1600	1	234
George Beardsmore	802		61	Laurie Boyer	1711	7	180
Bryan Clark	673		120	John Campbell	1597		260
Mark Nicholls	643		67	Bryan Clark	1545		236
John Campbell	641		129	Lindsay Robinson	1420	5	169
Paul Aronsen	529			Brian Withers	1297		128
Lindsay Robinson	524		56	Mike Smith	1218		133
SENIOR (301-500)				Ross Gibson	1055		162
Peter Grenfell	443		37	Graeme Dixon	916		117
Stuart Forsyth	413		39	Paul Peacock	841	3	123
Brian Withers	411		51	Paul Aronsen	733		
INTERMEDIATE (151-300)				Peter Grenfell	653		133
Jack Searle	294		35	Ian Wells	582		133
Andy McQueen	295		21	SENIOR (301-500)			
Robert Krijger	228		13	Bernd Henning	372		90
Mike Smith	194		18	Andy McQueen	368		103
Paul Peacock	193	7	16	Bob Boundy	400		91
JUNIOR (5-150)				Chris Elliot	301		78
Ian Wells	108		15	INTERMEDIATE (151-300)			
Adam Claydon	71		4	Stuart Forsyth	283		87
Arthur de Maine	50		10	Arthur de Maine	250	14	90
Chris Elliott	15		3	Ashley Gulbransen	193		75
FM-TELEVISION				Keith Robinson	189		180
Brian Withers	899		9	JUNIOR (5-150)			
Robert Krijger	678		6	George Beardsmore	129		68
Bryan Clark	148		5	Adam Claydon	123		40
Paul Ormandy	110		5	Mark Nicholls	121		55
Paul Peacock	65		2	Daniel Bloomfield	13		11
Adam Claydon	49		1				
Mark Nicholls	42		2	Peter Grenfell; 1 Stour Street, OAMARU.			
Mike Smith	33		2	PH/FAX (03) 4345907			
Andy McQueen	29		2				

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