



Auckland Branch 02, NZART

NEWSLETTER

November 2011



NO GENERAL MEETING

this month.

Instead, meet us at the

Used Equipment Sale

on Saturday, 19th November 2011 from 1000 hours
at Suburban Branch, Musick Point

Notice of Annual General Meeting

on Tuesday 13th December 2011 at 1730 hours
at Clubroom, 400 St Johns Road, Kohimarama.

Agenda:

- Reports: President, Treasurer, and AREC Section leader
- Election of Officers and Committee
- General Business

From President Steve, ZL1FS

Presentation of "Tracking by AIS". I regret missing Steve Sinclair's ZL1FOX presentation and demonstration of AIS, though most of you will know that I am a regular user of this system. Instead, I was in Napier preparing my QTH for sale. This took priority and more time than I expected. Who would have tenants! Besides, I would otherwise have been in the vicinity of Astrolabe Reef aboard Nick's ZL1NL barge to assist him with corralling containers that had toppled from the Rena.

Examination pass. Congratulations to Ole Runge who passed with 90%. He has applied for ZL1OLE to match his DE9OLE call. Listen out for his CQ on VHF.



Used Equipment Sale. Our usual monthly General Meeting on the third Saturday of the month — 19th November — clashes with the Used Equipment sale at Suburban Branch at Musick Point. Since we were successful there last year, we shall set up a stall there again, instead of holding a General Meeting.

Annual General Meeting, 13th December at 1930 hours. I look forward to a good turn out. Come, see the changes made by your Committee..

73

Steve, ZL1FS
021- 0226 - 4981

Australian Time Zones and Daylight Saving Time [Acknowledgement to FISTS Down Under]

Recently we were asked by a member in the United States to explain the time zones and the application of daylight saving time (DST). Our research revealed it was a highly complicated business. We thought it would interest our readers; even those in Australia might be surprised by the results!

West Australia, Northern Territory and Queensland keep to standard time throughout the year. The standard times are (hours ahead of UTC)

Christmas Island observes time 7hours ahead of Greenwich and does not observe DST

West Australia - 8 h

Some of the settlements in WA on the road between the South Australian border and Perth have individual local times depending on their longitude

South Australia, Northern Territory - 9h 30m

Broken Hill is in New South Wales but observes South Australian time

New South Wales, Victoria, Tasmania, Australian Capital Territory, Queensland -10 h

New South Wales, Victoria, Tasmania, Australian Capital Territory, and South Australia all keep DST starting on the last Sunday in October and finishing on the first Sunday in April

Lord Howe Island is 10h 30m ahead of Greenwich and observes DST on the same timetable as New South Wales.

Norfolk Island is 11h 30m ahead of UTC and does not observe DST

In **New Zealand**, standard time is 12 hours ahead of Greenwich and Chatham Islands time is 12h 45 m ahead of UTC. Apart from penguins sitting on the Antarctic ice shelf, Chatham Islanders are probably the first in the world to see the rising sun.

DST in New Zealand is observed from the last Sunday in October until the first Sunday in April.

An interesting aspect of New Zealand industrial law: - If, due to turning the clocks forward, an employee works fewer hours than they would normally work, they must be paid for the hour lost. If, due to turning the clocks backwards, an employee works more hours than they would normally work, they must be paid for the extra hour at the rate normally paid for excess hours worked.

US Amateurs now 700,000 strong

ARRL VEC Manager Maria Somma, AB1FM, began calculating the number of licensed Amateur Radio operators in the US, as well as the number of new licensees.

Somma said these high numbers mean that hams are upgrading and renewing in larger numbers and staying interested in the hobby: "These are compelling statistics and I am thrilled to see the highest number of amateur radio licensees ever! When I began working at the ARRL back in the mid 1980s, there were approximately 450,000 amateurs in the US. Our VEC program conducted an average of 55 sessions a week. Today, we administer approximately 150 exam sessions each week, and our total number of licensees across all three license classes continues to grow each year."

In the past 40 years, the number of Amateur Radio operators in the US has grown at a remarkable rate:

- December 1971: 285,000
- December 1981: 433,000
- December 1991: 494,000
- December 2001: 683,000
- September 2011 700,221

"As technology changes and advances, it is especially vital to keep up or be at the forefront," Somma said. "I believe that Amateur Radio has done just that! The measurable results are our indisputable license numbers. It amazes me after all these years how important and relevant Amateur Radio remains. I am proud to be one of the 700,221 licensees and to see this historic and important milestone."

By contrast, the number of Licenced Amateurs in New Zealand has halved since 1980 when it was at its peak. [Ed.]

AUCKLAND BRANCH, NZART (inc.)

General Meeting Minutes

On: Saturday, 15th October at 1343 hours
At: Branch clubroom
Present: Gwynne ZL1AAR (Chairman). Others are recorded in the attendance book.

Apologies: Steve ZL1FS, Bob ZL1AFU.

Sustained ZL1AAR / ZL1AJR

Visitors: The Chairman welcomed the visitors Steve Sinclair ZL1FOX and Steve Heinstman.

Business:

- **Minutes:** The minutes of the previous General meeting held on 17th September 2011 was taken as read (having been published in the October newsletter).

- **Arising:** The Used Equipment Sale at Suburban Branch at Musick Point is on 19th November (NOT 26th).

Accepted ZL1AAR / ZL1AJR

- **Correspondence**

- As listed in the September newsletter under Minutes of the Committee meeting held on 1st October.
- Interviews are being sought by a graduate university student who is researching social relationships. "Strong and long term friendships have been found in Amateur radio and not in other virtual social networks." The aim is to portray the concept of trust and friendship in Amateur radio. The next newsletter will give contact details for interested participants in this survey

- **Finance Report:** The Treasurer circulated a Report dated 15th October. He said that it corrected a \$300.00 imbalance (caused by a transfer of funds between bank accounts) in the report made to the Committee on 1st October. This report now includes most of the takings of TradeMe sales (\$1,570).

Accepted ZL1WAL / ZL1AAR

- **Expenses:**

TradeMe listing and success fees	Wallace ZL1WAL	\$128.90
Postage	Wallace	\$43.70
Lawns	R Higgins	\$34.50
Hire of table (though not used afterall)	Western Branch	\$10.00

Approved ZL1AAR / ZL1AJR

- Gwynne expressed thanks for the effort by Wallace to sell various rigs and components on TradeMe.

General Business:

- **Battery:** Gwynne reported about the replacement battery obtained by Vaughan Henderson.
- **Telephone line:** Wallace relayed that George ZL1TUJ had been contacted by Chorus about our phone number. He said that Chorus observed that the site of the NTE (presently at the corner of Scarbros building) is inappropriate because we have no interest in it being there. Chorus usually put NTEs up to 50 metres from the road. They are considering shifting it. This means that we may not have to hire a trench digger.
- Wallace added that Auckland Council have expressed approval of whatever route the trench may take, saying that they favour an outcome that minimizes our costs.
- **Tenure:** In addition, Wallace was told by Auckland Council that the use of this land is dynamic now that Scarbros have vacated the property. The land is designated as the Eastern Corridor. The Eastern Courier 12/10/2011 reports a vote by the Strategy and Finance Committee in favour of carrying out a \$50,000 feasibility study for a new railway station below Selwyn College. Meanwhile Auckland Council hope to lease the site again. There is speculation that the yard will revert to becoming a Council depot for future works in the Purewa Creek Valley. In the event that we have to move, Wallace was assured that we would be put into the hands of Auckland Council's Community Board and a proper lease would be drawn up.
- **AREC:** The Branch should have a Marine VHF antenna. The new \$12M Police System is digital only.

Meeting closed at 1405 NZST. Steve Sinclair ZL1FOX presented a lecture and demonstration of Marine Automatic Identification System (AIS) using his ship's transponder. We were able to see it (high and dry) on Google Maps located at 440 St Johns Road. We also looked at various salvage craft in the vicinity of the wreck on Astrolabe Reef. Steve explained the two systems: class A using self-organised time-division multiple-access (SOTDMA) compulsory for vessels over 300 tonnes, and class B using carrier-sense time-division multiple-access (CSTDMA). The transponder broadcasts basic information about itself (the ship) and its dynamics every 2 seconds while underway.

Thanks go to James ZL1KNI for erecting a discone antenna and to Ray ZL1AJR for afternoon tea at 1500 hours.

COMING UP

Nov. 12 Papakura Sprint, CW.
Nov. 19 Suburban Branch Sale at Musick Point.
Nov. 26 Worldwide DX CW contest @ 0000z to Nov 27 2400z.
Dec. 13 Annual General Meeting at Clubroom at 1930 hours.
Jan. 1 Kordia National System Award runs until 6 Feb. See last month's newsletter for details
Feb. 25 Jock White Field Day.
Mar. 10 NZ Amateur Radio Day @ 1000 to 1400 hours

Thailand Floods

QST, to all Radio Amateurs 15 October 2011

World-wide HF operators are kindly requested to **QSY away from 7.060-7.063 at all times** due to use by Thailand hams during the massive flood emergency affecting millions of people in North and Central Thailand.

Today, the emergency is on-going with huge areas flooded of from a half to two meters of water, some areas are deeper and a few spotty areas are mostly dry in the region. News estimates say that the flooding will continue for four to six more days, at its height, and subsidence will be over a month. Clean-up and rebuilding may extend more than a year.

The majority of flood radio traffic is being carried on the two meter band by scores of ham volunteers, some of which have had their own homes inundated. It is impossible to estimate how many ham radio operators' shacks are now affected, but the significant flooding covers huge swaths of the region as seen on

http://www.neighborhoodlink.com/Rural_Training_Center-Thailand/pages.

The Thai National Club Station, HS0AC, home of the Radio Amateur Society of Thailand, is threatened tomorrow and is under watch. Timely updates can be seen at <http://www.qsl.net/rast> in English.

Reported by HS0ZCW, Charly

From NZART Intruder Watch Officer

With the high Solar activity - more and more intruders are becoming prevalent: We definitely need your support to identify and report intruders. Audio samples assist along with bearings if possible.

If we do not act in a coordinated manner, we could see our bands being taken over by many intruders. Complacency is not an option.

de ZL1GWE



QUEENS BIRTHDAY WEEKEND

1st – 4th JUNE 2012

Your Host: Branch 26 Nelson

NZART CONFERENCE 2012

IN HAMTASTIC NELSON - BIRTHPLACE OF ERNEST RUTHERFORD

Venue: Tahuna Beach Conference Centre, Nelson- Tahuna Beach Holiday Park

Accommodation: Onsite. Motels, Tourist Flats, Studio Unit, Cabins and Power sites for motor homes. There are also many Motels within walking distance to the venue. **The well organised would start making plans now. We will not be making accommodation bookings for you, you will be required to do your own, (except for Councillors), so book now to secure some accommodation etc.**

Forums: If you or someone you know has something they would like to share, either a forum or a talk, please contact us. We would like to hear from you all. Remember that this is YOUR CONFERENCE; we are just hosting it for you, so if you want to take part please let us know.

Please contact committee if further information is required:

Chairman ZL2STR Stewart Robinson: strob@xnet.co.nz

Secretary ZL2LS Topsy Scott: scott@tasman.net

Postal Address Branch 26 NZART Conference 2012, PO Box 1820, Nelson, NZ 7040



The Fox Hunting Page

de Wallace, ZL1WAL



Report of Region 3 ARDF Championships held at Maldon near Melbourne on 23d - 28th September 2011

by Jack Bramham VK3WWW [abridged Ed.].

Over the last 18 months or so, a dedicated group of volunteers had been working in preparation to hold the 8th IARU Region 3 ARDF (Amateur Radio Direction Finding) Championships in Australia. Host society was the WIA and the event was organised by members of the Victorian ARDF Group. Conducting the actual competition is the easy bit. It is all of the other things like: international teams' local transport, meals and accommodation for 130+ and correspondence with them all. Over 50 Volunteers were required. Not all of the volunteers came from the Amateur ranks. Many were recruited from the Orienteering side of the sport.

Participants at this Championship event were made up of Australia (WIA) 19, China (CRSA) 34, Japan (JARL) 31, Kazakhstan (KFRR) 1, Korea (KARL) 6, Malaysia (MARTS) 2 and USA (ARRL) 3 totalling 96 competitors. Added to the competitors list there were team officials, trainers and International Referees.

Weather for all 5 days was really fine with the only bad patch being on Tuesday morning just before the 80m event when the heavens opened. However by the time the competitors arrived at the start location, the weather had improved considerably and no more rain fell on the course.

Friday 23rd of September was arrival and registration day. Some international teams had arrived early and had been touring VK3. Listening to them, the most popular tourist spot was the Great Ocean Road and the 12 Apostles. Teams started to arrive at the Blue Light camp in Maldon around 14:00. Registrations continued well into the night with the last bus arriving about 22:00.

By Saturday morning most had settled in, and once breakfast was over, everyone was loaded onto a bus to attend the Model Event. This event is for competitors to get used to our local weather and bush conditions and also to test out their equipment by Df-ing up to 10 transmitters (5 X 2m, 5 X 80m) set in a state forest with a real map.

Following the Model Event, competitors were invited to participate in a Street-O and Fox-O event around the local streets of Maldon. I am sure the locals were very confused about what was going on. For information regarding these styles of events I suggest you look at www.ardf.org.au where you can find an explanation for all sorts of Orienteering and ARDF type events.

Saturday 24th was a busy day. There was an opening ceremony and welcome speeches, followed by an opportunity to take a group photo with all of the teams wearing their country kit.

Sunday 25th was the first event. This event was contested on the 2m band, and until this time most of the competitors were very tense.

That evening organisers put on a DVD night, showing a few local ham radio related videos. One of the videos was from the Melbourne Foxhunt that was recorded by a Norwegian film crew. This confused a few of them trying to work out what was language being spoken!

Monday 26th was a rest day; but not really. Competitors and officials met at the Maldon station in preparation for a vintage steam train trip to Castlemaine. From there they were taken by bus to Bendigo and after an "Aussie BBQ" lunch they headed underground for a tour of the Central Deborah Gold Mine.

Tuesday 27th was the second event and as earlier mentioned it rained as we were setting up the course.

After the 80m event everyone headed off to the Baringhup Community Hall, some 10 kilometres from Maldon, for the closing ceremony, banquet and medal presentations. The age categories are: W19, W21, W35, W45, W55, W65, M19, M21, M35, M45, M55, and M65 (grouped in 10 year segments). So you really are only competing against competitors very close to your own age. [Results of some of these grades appear in last month's newsletter Ed.]

Copy and paste the following URLs into your browser and watch these videos taken on the course and at the finish line.

http://www.youtube.com/watch?v=fZsaTUV_kFc&feature=player_detailpage

http://www.youtube.com/watch?feature=player_detailpage&v=1RRG2Moae0E

AUCKLAND BRANCH, NZART (inc.)

Minutes of Committee Meeting

Date / Time / Place: Tuesday 1st November at 1945 hours; Clubroom.

Attendees: Steve Miller ZL1FS (Chairman); Wallace Bottomley ZL1WAL (Secretary / Treasurer); Ray Chapman ZL1AJR; Gwynne Rowe ZL1AAR; Ian Robinson ZL2ATD.

Apologies: Japie Nels ZL1JJN, George Marr ZL1TUJ

Sustained ZL1FS/ ZL1AJR

Minutes of the previous Committee meeting on 1st October 2100, as published in the October newsletter
Taken as read and accepted ZL1WAL / ZL1AAR

Correspondence In:

- Newsletters from neighbouring branches: North Shore, Franklin, Papakura, Suburban
- Break in magazine
- Region 3 ARDF Championship results and report from Maldon (near Melbourne)
- Community Post declining to supply postage paid envelopes. Selection criteria exclude "newsletters"
- State Insurance suggesting review of cover
- Ching Yueh Hsieh (University research student) seeking interviews with Hams about social networking
- Auckland Council announcing public Consultation for Community Assistance Framework
- Auckland Council re key to gate
- NZART ARX announcing a timetable to introduce a practical component to exams.

Correspondence Out:

- Western Suburb Radio Club paying for table booked at their Sale
- Bob Wood refunding his overpayment (by \$191) for a TradeMe purchase
- TradeMe emails about pickup /delivery.

Approved ZL1WAL / ZL1AJR

Finance: The Treasurer presented the year to date report. It includes a donation of \$100 from David Sullivan, buyer of the ICom 751 by TradeMe for \$200. This item has been written off the list of assets (\$450).

Received ZL1WAL / ZL1FS

Expenses requiring approval for payment:

- R. Higgins Lawns \$34.50
- W. Bottomley Keys, bulb, duct tape, balloons. \$48.00

Approved ZL1AAR / ZL1AJR

- **Budget:** The Treasurer submitted the comparison between actual accounts and the Budget (prepared at the beginning of this year). He pointed out that instead of making a loss of \$500, income exceeds expenditure by \$1743 (with one more month to run). This has come about for three reasons:
 1. by the realization of component sales on TradeMe (\$1,570)
 2. no assets have been purchased (budgeted at \$450)
 3. no expense has been incurred on Building Maintenance (budgeted at \$500).
- Next year's Committee will prepare its own budget after Subscriptions and Donations are considered at the Annual General Meeting. It was pointed out that the financial viability of the Branch depends largely on Equipment sales of which there remains about \$450 worth of gear to be sold.

General business:

Reports:

- AREC Nothing to report
- Membership Ross Scarborough joined for 2012. He feeds the cat.
- Exams Ole Runge passed with 90% and has the call-sign ZL1OLE
- Batteries Selwyn has left his big grey battery. We do not need another battery in the short term.
- Maintenance Gate keys are held by:
 1. Ross Scarborough (new Member) who supplied the chain and new padlock
 2. Auckland Council Leasing Dept.
 3. Steve ZL1FS
 4. Wallace ZL1WAL
 5. Buried under leaves behind the gate post
 6. Beneath the alarm pad in the Clubroom (in case a Member's car gets locked in).
- Original gate keys should be returned to the Secretary. Scarbros use these keys elsewhere in their firm.
- Antennas Steve reported that Leith Jackson ZL1BCJ is going to help him
- Painting To be scheduled now that summer is approaching.

Minutes of Committee Meeting (Continued)

- **Phone line:** *Nothing to report until Chorus decide to relocate the NTE at the clubroom.*
- **Saturday 19th November**
 - **Suburban Branch Sale:** *The branch will be represented there.*
 - *This date clashes with our usual 3rd Saturday of the month General Meeting. Steve will be out of Auckland for most of November and Wallace is committed to supervising and writing scripts at Uni exams for disabled students.*
 - *It was decided to abandon holding a General meeting in November.*
- **Committee Meeting (last meeting)** *Tuesday 7th December 2011 at 1930 hours. Nominations for jobs for next year should be made and conveyed to the Secretary.*
- **AGM** *Tuesday 13th December 2011 at 1930 hours. Secretary to send out a simplified phone tree to each Committee member to prompt a good attendance.*
- **Tenure:**
 - *As reported at the General Meeting Auckland Council intend to lease the yard, though no prospects are in the offering. Hedges are being cut and the grounds tidied.*
 - *We have erected some poles to define an area surrounding the clubroom with a view to discourage incursion by the next tenant.*
 - *In the longer term, if we are to be relocated, Auckland Council will commend us to the Community Board and a proper lease will be drawn up.*
- **Planning for JWFD:**
 - *We won the Montgomery Cup last year, so we need to defend it – vigorously.*
 - *Gwynne assured the meeting that he will be on hand in early February 2012 to practice erecting poles for the antennas. He intends to follow a recommendation by Dr David Donnelly ZL4RR / K2SS (see article appearing at www.qsl.net/zl1aa > Newsletters > 2011 > September) for a 3 element wire beam at 30 feet for 40m. Gwynne will also use the very successful delta loop antenna for 80m. It is highly likely that the yard will not be occupied by then, thus giving us freedom to erect poles.*
 - *Gwynne worries about having **sufficient operators on 25th and 26th February 2012**. He would appreciate an early response to 'phone 524-9969 by those Members who will participate – even if only for a few hours.*
 - *Wallace reiterated Selwyn's suggestion that operators need to be made aware of the call-signs of all other branches so as to maximize the multipliers. He tabled a revised check list of all other Branches' call-signs and their previous year's contacts. He said that he had found this list was useful to prompt him when looking for CW QSOs in this year's JWFD contest.*
- **Weekly nets**
 - *Our presence on other Branches' nets was discussed again (see newsletters June and Aug 2011). The VHF Group net is regarded as more important – provided that whomever is rostered has useful information to impart. Many branches have VHF nets only. Wallace said that he has joined other Branches' HF nets from time to time, but observes that very few of their members call in — our nets are no exception. [Mondays VHF 145.775 at 2000 hours; and afterwards, HF 3.645.00 at 2100 hours].*

Meeting closed 21:45 followed by supper.

Signed _____ Date _____
(Chairman)