



Auckland Branch 02, NZART

NEWSLETTER

October 2011



BBQ

on Saturday, 15th October 2011
at 1200—1300 hours
at Clubroom

To be followed by:

General Meeting

at 1330 hours

To be followed by:

Guest Speaker, Steve Sinclair ZL1FOX
talking about AIS tracking

For a preview, have a look at <http://en.aprs.fi/> to see ships, taxis on the move.

This is a cordial invitation to Members of other Branches

From President Steve, ZL1FS

Selwyn ZL1BRC: We were pleased to see Selwyn at our last General Meeting. He arrived just in time to be included in photographs taken of the winning JWFD team. He shows determination to overcome the setback of his stroke. That means, learning to talk clearly and to write; two facilities that we all take for granted.

Montgomery Cup: Last month's General Meeting was proceeded by the presentation of the Montgomery Cup by Ian Ashley ZL1AOX, Secretary of Papakura Branch. The photograph below shows Gwynne and Selwyn accepting it for the JWFD team. These photos will also appear on our website www.qsl.net/zl1aa/.

Software Defined Radio: After the meeting, Ian made a presentation of SDR, a subject in which he has a special interest. He traced the history of its development that is due largely to the speed of computers and the LTC2208 chip to perform fast Fourier analysis to digitize the RF input. He then demonstrated his two SDR rigs in action. The clarity of audio was refreshing to listen to. Judging from the barrage of questions that were asked, the audience were appreciative of Ian's vast knowledge of this subject.

Used Equipment Sales: Wallace has sold 13 units on TradeMe and realized over \$1,500. We had intended to take some junk to Western Suburbs Radio Club for their sale. But we shall go to Suburban Branch at Musick Point where we were successful last year. Members will be pleased to know that the floor of the clubroom is now clear.

Tracking by AIS: After our next General Meeting on 15th October, Steve Sinclair ZL1FOX will present the features of Automatic Identification System (AIS). Ports of Auckland use this system to track the positions and time of arrivals of ships coming into our harbour so that they can schedule service facilities to meet them. We extend a welcome to Members of other Branches to join us this day.

Next year: I intend to stand down as President, but continue on the Committee and assume the role of Membership Liaison Officer which is an extension of the role of Contact Person (if elected). I would like Members to give some thought to participating in the affairs of the Branch at Committee level. We need to spread the load more evenly. The AGM will be on Tuesday 13th December at 1930 hours. Mark your diaries now. The notice for it will be on the cover of the next newsletter.

73

Steve, ZL1FS
021- 0226 - 4981



Ian Ashley, ZL1AOX presenting "Software Defined Radio"



Presentation of the Montgomery Cup to Selwyn and Gwynne.

The ZL1AA Team: Andrei, Wallace, James, Ray, Selwyn and Gwynne.



AUCKLAND BRANCH, NZART (inc.)

General Meeting Minutes

On: Saturday, 17th September at 1330 hours

At: Branch clubrooms

Present: Steve ZL1LS (Chairman). Others are recorded in the attendance book.

Apologies: Japie ZL1JJN, Bob ZL1AFU, Iain ZL1UMC, Arnold ZL1MA, Jon ZL1BJZ, John ZL1GWE, Barry ZL1AAA, Brian ZL1UXB.

Sustained ZL1FFS/ ZL1TUJ

Visitors: The Chairman welcomed the visitors who each stood and introduced themselves.

Business:

- **Minutes:** The minutes of the previous General meeting held on 20th August 2011 was taken as read (having been published in the July Newsletter).

Accepted ZL1FS / ZL1TUJ

- **Correspondence:**

As listed in the September newsletter under the minutes of the Committee meeting held on 6nd September 2011. In addition, there has been a response from Auckland Council about progress with their granting consent for rerouting the 'phone line along the fence.

- **Finance Report:** The Treasurer circulated the Report dated 6th September that had been presented to the Committee.

Accepted ZL1WAL /ZL1TUJ

- **Reports:**

- **Battery:** Steve reported that the standby batteries are OK. Another battery has been obtained for the VHF station. He has introduced a book to record the dates when checks are done.
- **Telephone line:** George offered to provide conduit to protect the line from the effects of UV light while it is attached to the fence. Steve reported that the Pony Club had qualms about our proposal because horses tend to put their forelegs through the fence and can thereby injure their tendons. Thus the Pony Club are removing the lower wire for that reason. He feared that they might object to the larger diameter conduit. It is observed that most of the fence line is in shade.

- **General Business:** None

Meeting closed at 1345 NZST.

Just before the meeting commenced, the Chairman thanked Ian Ashley ZL1AOX, Secretary of Papakura Branch, for engraving the **Montgomery Cup** on our behalf; then he asked Ian to present the cup to the JWFD 2011 team. Photographs were taken. In reply Gwynne spoke about his previous endeavours to locate this cup. A photograph on the east wall shows it being presented by Jim Meachum ZL2BHF, NZART's Contest Manager

After the meeting, Ian ZL1AOX presented **Software Defined Radio**. He outlined the history of this development that is now up to its third generation. He explained the blocked diagrams, particularly the part played by the expensive LTC2208 chip to sample the RF input. Ian itemized the costs of the classically named components (total = US\$1,678). Software is open source. Finally he demonstrated two transceivers: Quicksilver VERB and HPSPDR (1,000 users already). These demonstrations enabled the audience to appreciate its ease of tuning, sensitivity and clarity of audio. An alternative QRP offering is Softrock that may be purchased for US\$70 but it relies on a high spec sound card. A lively audience had many questions to ask.

Afternoon tea was served at 1500 hours, courtesy of Ray, ZL1AJR.

The Origins of Daylight Saving In New Zealand

Entomologist and astronomer George Hudson was the earliest known advocate of daylight saving in New Zealand. Hudson presented a paper to the Wellington Philosophical Society in 1895 advocating for seasonal time adjustment. However society members ridiculed his idea. It was not until 1909 that the issue was next raised, by parliamentarian Hon Sir Thomas Sidey who argued for putting clocks forward by one hour during summer so that there would be an additional hour of daylight in the evenings.

In that year he introduced a Member's Bill to put this idea into effect. The Bill was rejected, but Sidey was persistent, reintroducing it every year for the next 20 years. It almost became law in 1915 and again in 1926 when it was passed by the House of Representatives, but was rejected by the Legislative Council (which was New Zealand's upper house of Parliament until 1951). During the second reading of his Summer Time Bill in 1926, Sidey argued that: *the extra hour of daylight after working-hours during the summer months is of especial value to indoor workers and the community as a whole as it gives one additional hour for recreation of all kinds, whether playing games or working in garden plots...one cannot overlook the economic advantages that will also accrue. There will be a saving in the consumption of artificial light.*

Much of the debate, in the House of Representatives, centered on the impact on people in rural areas and women in particular. Opponents of the Bill commented that: [Summer Time] *will bring no happiness to the women of New Zealand who live in the back-blocks. [The Bill] does not make the case for now requiring the wife of the working-man to get up an hour earlier in order to get her husband away to his work.*

In 1927 Sidey was successful. The passing of the Summer Time Act that year authorised the advancement of clocks by one hour between 6 November 1927 and 4 March 1928. The Act was only operative for one year, and when the Summer Time Act 1928 was passed extending the period of summer time from 14 October 1928 to 17 March 1929, the period of advancement was changed to just half an hour. This made New Zealand Summer Time 12 hours in advance of Greenwich Mean Time.

The Summer Time Act 1929 enacted the provision of a 30-minute time advance from the second Sunday in October to the third Sunday in March the following year. In 1933 the period was extended from the first Sunday in September to the last Sunday in April of the following year. This continued until 1941, when the period of Summer Time was extended by emergency regulations to cover the whole year. This change was made permanent in 1946 by the Standard Time Act.

The Time Act 1974 provided that the Governor-General could declare, by Order in Council, a period of Daylight Time (daylight saving). Daylight Time is fixed as a one-hour advance on New Zealand Standard Time, and in the case of the Chatham Islands, is fixed at one hour forty-five minutes ahead of New Zealand Standard Time.

The public response to a trial period of daylight saving in 1974/75 was generally favourable and the New Zealand Time Order 1975 fixed the period of daylight saving from the last Sunday in October each year to the first Sunday in March of the year following.

In 1985, the Department of Internal Affairs undertook a comprehensive survey of public attitudes towards daylight saving and its effects on work, recreation and society. The results of the survey demonstrated that 76% of the population wanted daylight saving either continued or extended.

COMING UP

- Oct. 8 Western Suburbs Used Equipment Sale.**
- Oct 8-9 Oceania DX CW Contest 2100 NZSDT for 24 hours** [2011 Rules](#)
- Oct. 15 Auckland Branch General Meeting with Guest Speaker, Steve Sinclair ZL1FOX.**
- Oct. 22 Jack files Memorial SSB 80 m only contest @ 2100 NZSDT for six hours.**
- Nov. 5 Papakura Sprint, Phone.**
- Nov. 6 NZART Straight Key Night.**
- Nov. 12 Papakura Sprint, CW.**
- Nov. 6 NZART Straight key night @ 2200 hours. 2 x 1 hour periods.**
- Nov. 26 Suburban Branch Sale at Musick Point.**

The Oceania DX contest has been around since the mid 1920s and was known previously as the VK/ZL Contest. Activity has increased in recent years due to a huge promotional effort by the joint Australian and New Zealand [Contest Committee](#).

Derek VK4MIA Contest Manager and President of Ipswich and Districts Radio Club advises revised rules and incentives to get more VK and ZL operators on the air. www.jackfilesvk.blogspot.com

NZART Straight Key Night. The exchange is: RST /QTH /Operator's Christian name /Key used /Tx type /Rx power. e.g. 599/Auckland/Wallace/Vibroflex/Kenwood750/100w

The Morse Crusade

Reprinted from <http://www.themorsecrusade.g5fz.co.uk/>

I started the Morse Crusade after years of frustration, warning people about the pitfalls in learning slow Morse, only for it to fall on deaf ears. The Crusade has now started with the aim to promote CW and educate people about Morse and modern learning practices, bringing about changes to enhance the Morse experience.

Most of what you've been told about learning Morse Code is wrong — dead wrong. Amateur radio operators have traditionally have used the slowest, most frustrating, most painful and least effective techniques possible for gaining code proficiency.

Extract for David Finlay N1IRZ's webpage ["So You Want To Learn Morse Code"](#)

We have to convince people that some of the old ways of teaching Morse needs to be looked at and practices which have been proved to be detrimental to the student should be dropped and to start teaching Morse in a way that will enhance the learning of the student, making it less frustrating for them to increase their Morse speeds.

Any kind of printed dots and dashes or any other such pictorial impressions will only impede the student's progress when he is beginning to learn the code. All such methods violate good pedagogy, because they do not teach the code as actual sound patterns, as it will be heard and used.

Extract from [Bill Pierpont's book](#) "The Art and Skill of Radio-Telegraphy"

The Crusade is open to all methods of teaching, and a successful modern way of teaching Morse was devised by German psychologist Ludwick Koch in the 1930's and I was professionally taught Morse by this method in 1965. So how will we convert the old brigade of instructors/tutors who teach slow Morse to the new method as they will generally reply; "I have been using this method to train Morse for years quite successfully as has my Father and Grandfather, it has been passed down the family line from my Great Great Great Grandfather who was a telegrapher on the [Mary Rose](#). We never had any problems with our method of teaching Morse, You can't beat the old proven methods."

Handicapped from the start of their Morse training by bad practices and slow Morse it is going to be harder for students taught the old ways to move forward and increase their speeds, than it is for someone learning Morse using the Koch Method from the start. Nancy Kott W8ZC from the North American Chapter of Fists has wrote an essay ["Instant Recognition"](#) which will help the slow Morse operators move forward.

Kordia National System Award - 2012

The Kordia National System Award 2012 - Historic Places, is being run again by The Hamilton Amateur Radio Club, Branch 12, NZART, in association with the New Zealand Historic Places Trust. This is a FUN award, available to all amateurs to demonstrate the coverage and use of the National System, to promote our history and [Category 2](#) Historic places.

All details for this award, are available at:- <http://zl1ux.tripod.com/nsaward.html>

The award will run from 1 January 2012 to 6 February 2012

Applications close: 6 March 2012 with -

The Award Custodian

Hamilton Amateur Radio Club

PO Box 606

HAMILTON 3240

or

Email to: branch.12@nzart.org.nz with KNS2012 in the subject line.

AUCKLAND BRANCH, NZART (inc.)

Minutes of Committee Meeting

Date / Time / Place: Saturday 1st October at 1300 hours; Clubroom.

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

Visitor: James Elvy ZL2BAY.

Apologies: Japie Nels ZL1JJN, Graham O'Neil ZL1ONL (resigned); George Marr ZL1TUU
Sustained ZL1WAL / ZL1FS

Minutes of the previous Committee meeting on 6th September 2100, as published in the newsletter
Taken as read ZL1FS / ZL1AJR

Arising: Reference to the earth wire being ripped up by the mower should be deleted. It was removed.
Accepted with correction ZL1FS / ZL2ATD

Correspondence In:

- Newsletters from neighbouring branches: North Shore., Franklin.
- Auckland Council Retail Leasing Dept advise that Scarbros will vacate the property at the end of October and that consent to trench the phone line is progressing.
- Iain Twentyman ZL1UMC advises that the Photocopier Account manager, who donated the copier, has been given the Secretary's name and contact number.
- TradeMe related emails (60 of which 22 relate to one deal).

Received ZL1WAL / ZL1FS

Correspondence Out:

- Western Suburb Radio Club booking a table at their Sale on 8th October.
- TradeMe e-mails (21 of which 5 relate to this deal).

Approved ZL1WAL / ZL1FS

Finance: The Treasurer presented the year to date report.

- **Arising:** There is an imbalance of \$300 in the Balance Sheet caused by a transfer of funds between bank accounts. Treasurer is to fix what is a software bug. [Done. Ed.].

Received ZL1WAL / ZL1FS

- **TradeMe sales:** \$1,570.00 of which \$747.00 has so far been banked.

Expenses requiring approval for payment

- Refund to Bob Wood for overpaying his TradeMe purchase \$191.00
- Wallace for Courier charges \$30.00

. Approved ZL1WAL / ZL1AAR

General business:

- **TradeMe:** Wallace reported that all but one of the thirteen items have been sold, two dispatched and three picked up already. The rest will be picked up on Saturday 15th October or soon thereafter.
- **ICom 751:** Wallace reported that he had listed this item on TradeMe but made a mistake by entering a "Buy now" price of \$200.00. It was bought instantly. When the Buyer's call sign was not found in the Call Book, Wallace consulted NZART-HQ to be told that another person is listed in their database with this call-sign. However, Warren Harris ZL2AJ, Councillor, ARX, confirmed that RSM has a record of a General User Licence issued to the buyer, but he declined to comment on his financial status. Wallace decided to renege on the sale pending this Committee meeting, stating that he had a fiduciary duty to the Branch / Estate foremost..
- It was resolved to sell the ICom 751 at the "Buy now" price of \$200.00.
Moved ZL1FS / ZL1AAR
- Gwynne pointed out that had the Icom 751 been the property of an estate for which the Branch was selling on their behalf, the Branch should make up the shortfall between what it is worth (~\$500) and the selling price (\$200).
- Wallace's apologized to other Branch Members for his mistake (that caused a loss of opportunity for them to bid for it), and to the Branch (for loss of potential revenue). This was graciously accepted.
- A quote by 'Pack and Send' to Takapau was obtained (\$160.00). Steve offered to take the ICom 751 to Napier to facilitate pick up by the buyer.

Minutes of Committee Meeting (Continued)

- **Western Suburbs Branch Sale:** 8th October. A 2 m length table has been booked at the Primary School, 217 Rosebank Road. Gwynne offered to assist provided the items are priced and that Japie has confirmed that he will transport them. [It was decided subsequently, to abandon attending this Sale. Ed].
- **Suburban Branch Sale:** Musick Point on Saturday 26th November.
- **Phone line:**
 - The Meadowbank Pony Club has not yet agreed to our proposal to attach the line to the fence.
 - Steve has met with Paul Scarborough. Scarbros have vacated the yard. Now is an opportunity for Plan B, (using an existing conduit and digging a trench across the yard). This is more practical than Plan A (running the 'phone line along the fence line) and does not need Pony Club agreement..
 - Auckland City's Retail Leasing Department is processing the application for consent.
 - Steve is authorized to hire a trench digger.
 - Brian ZL1UXB will be asked to supply conduit and do the jointing when the trench is ready.
 - [Plan C might be possible — Chorus may relocate the Network Termination Enclosure (NTE) at the clubroom. Ed].
- **Tenure:** It is suggested that some Warratah stakes be purchased and driven into the ground to define the area surrounding the clubroom. This is to discourage incursion by the next tenant, whenever.
- **Programs:**
 - **Next General Meeting 15th October:**
 - BBQ and brief General Meeting
 - Presentation by Steve Sinclair ZL1FOX about AIS as it applies to Marine, taxis, etc. movements.
 - The newsletter will issue an invitation to other Branches.
 - **AGM** will be on Tuesday 13th December at 1930 hours.
- **Montgomery Cup:** Secretary to write to Papakura Branch thanking Ian Ashley ZLAOX for engraving it for us
- **Examinations:** Ole Runge, DE9OLE wants to sit the NZ examination to obtain a call sign here.

Meeting closed 13:40 followed by a tour of the property, led by Steve, to explain options for trenching the phone line.

Signed _____ Date _____
(Chairman)

Used equipment sold on TradeMe			
Item	Model	Realised	Sold to
CB Transceiver	CB402	\$47	John W
Electronic Voltmeter	TF2604	\$71	ZL1TQT
Vintage Phillips Radio player	462A/34	\$21	Bob W
Kenwood Station Monitor	SM220	\$395	ZL2ATD
Kenwood Transceiver	TS820	\$161	ZL2CGB
Kenwood Transceiver	TS830	\$315	ZL2BAY
Icom Transceiver	751	\$200	ZL2OK
Robot Slow Scan	SSTV400	\$42	ZL1DAS
SWR Meter	H built	\$20	Michael
Infotech Decoder	M-200F	\$256	ZL2ATD
Antenna Tuner	H built	\$40	ZL2FOR
Ferguson video recorder	3V32V	\$1	Jeremy
Panasonic video recorder	NV-J1HQ	\$1	Jeremy
Total =		\$1,570	

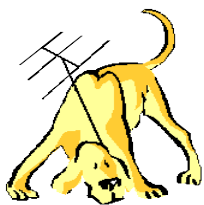
CONFERENCE 2012
IN HAMTASTIC NELSON - BIRTHPLACE OF ERNEST RUTHERFORD

Have you booked your accommodation yet?

Tahuna Beach Holiday Park
Freephone 0800 500-501

Come to our conference in
sunny Nelson

Be great to see you there!



The Fox Hunting Page

de Wallace, ZL1WAL



Region 3 ARDF Championships were held at Maldon near Melbourne on 23d - 28th September 2011. The three events were:

1. Fox hunt and Street Orienteering in Maldon Township;
2. 2 metre ARDF on the Joyce's Creek Map (about 4 km x 3 km);
3. 80 metre ARDF on the Smith's Reef Map.

See the total times of the Teams event and notice that the 55 year old men are only 8 minutes behind the 19 year olds. The women were 1 ½ hours slower. See <http://r3.ardf.org.au> for all results.

Chest No.	Country Name	Callsign	80m Time	2m Time	Total Time	Category	Place
41JARL	Katsumata, Masashi	JA2-34554	01:38:07	02:05:23	04:52:57	M19	1st
42JARL	Takasugi, Yuya	JA2-34543	01:26:08	01:10:59		M19	1st
43JARL	Yoneyama, Koji	JA2-34567	01:06:26	01:09:24		M19	1st
18WIA	Ackerly, Bryan	VK3YNG	00:54:27	01:08:09	04:53:14	M35	1st
20WIA	Dodd, Ian		01:19:58	02:10:52		M35	1st
22WIA	Jeffrey, Grant	VK3KGM	01:29:20	01:30:40		M35	1st
55JARL	Maruyama, Tadashi	JA0HWC	01:00:01	01:35:34	05:01:01	M55	1st
56JARL	Nishiuchi, Shuichi	JA7EWX	01:27:16	01:40:16		M55	1st
57JARL	Miyoshi, Nobuyuki	JH5LYW	01:21:33	01:03:53		M55	1st
33KARL	Lee, Jong Min	DS4OKM	01:43:55	01:07:58	05:16:58	M45	1st
34KARL	Lee, In Won	HL2IYI	01:28:06	00:56:59		M45	1st
93CRSA	Ye, Qiaojiang		01:39:24	01:58:01	06:30:27	W21	1st
100CRSA	Zheng, Xuan		01:25:22	02:02:10		W21	1st
101CRSA	Guo, Pei		01:57:02	01:27:40		W21	1st

Maldon Township Maldon Township - 24/09/2011
Fox-Hunt & Street Orienteering

