

NZVRS BULLETIN

Vol 33 No 4

November 2012



Man with radio in hat.

NEW ZEALAND VINTAGE RADIO SOCIETY INC.

A non-profit organisation devoted to the preservation of early radio equipment and associated historical information.

Postal address - PO Box 13 873, Onehunga, Auckland 1643.

Web site: - <http://www.nzvrs.pl.net>

Email address: - nzvrs@pl.net

PRESIDENT: Ian Sangster, 75 Anawhata Road, R.D.2, New Lynn, Auckland 0772
Phone: 09-814 9597 or 027 227 0426
Email: sangsfam@clear.net.nz

SECRETARY: Paul Woodcock, 2 Levy Road, Glen Eden, Auckland 0602.
Phone: 09-818 4740
Email: paul.woodcock@opus.co.nz
Paul handles general correspondence and requests for purchase of books and badges.

TREASURER: David Crozier, P.O. Box 13 873, Onehunga, Auckland 1643.
Phone: 09-636 5954 or 022 698 7978
Email: david@nzvrs.pl.net

David handles editorial, financial and membership matters. A list of members is available on application with a stamped, self-addressed envelope for the personal use of members only. Please address all NZVRS monies to NZVRS, P.O. Box 13873, Onehunga, Auckland 1643, N.Z.

NZVRS LIBRARY

The NZVRS librarian is Ross Paton with assistance from Bruce Churcher. Requests may be forwarded to the NZVRS, PO Box 13873, Onehunga, AK 1643 or Email: library@nzvrs.pl.net

NZVRS BULLETIN is a subscription magazine for members only, published quarterly, generally in the months of February, May, August and November. Opinions expressed by writers are not necessarily those of the Society. Contributions, letters, etc can be sent to:

THE EDITORIAL TEAM,

Ian Sangster, 75 Anawhata Rd, R.D.2, New Lynn 0772 or
David Crozier, P.O. Box 13873, Onehunga, Auckland 1643. Email: david@nzvrs.pl.net

ASB Bank account 12 3067 0168223 00

A Calendar of Events is listed on our website at www.nzvrs.pl.net/aaa/calendar

AGM: Auckland Saturday 13 July

AUCKLAND MEETINGS are held at the Horticultural Society Hall, **990 Great North Road** (opposite Motions Road.) Western Springs, on the third Monday of the month from 7.30pm.

January: Mon. 21 Favourite Tombstones

February: Monday 18 Auction Nite

March: Monday 18 Valve Cartons

April: Monday 15 Auction Nite

TARANAKI AREA MEETINGS are held on the second Sunday in even months. Visitors most welcome; contact either Bill Campbell, Phone 06-753 2475 or Graeme Lea, Phone 06-758 5344

WELLINGTON MEETINGS are held typically from 1pm on the second Sunday of every month at Tireti Hall, Te Pene Ave, Titahi Bay. For details contact Tony Humphris, Email: tony_h@xtra.co.nz Phone (04) 298 1550.

CHRISTCHURCH MEETINGS are held on the first Tuesday of odd months at the Christchurch West Radio Clubrooms "Auburn Park", 333 Riccarton Road.

For further details contact Jim Lovell, 41 Yardley St, Avonhead, Christchurch 8004. Phone 03-342 7760

SUBSCRIPTIONS: The subscription year is a calendar year (1 January – 31 Dec). Subscription renewal slips are sent with the November Bulletin with final reminders in the February issue.

NZ Rate is \$30 for new; \$25 early bird renewal before 15 March, \$30 after. An E-version is available at the world-wide rate of \$20 p.a. or \$5 per issue via download. Note these are usually about 20 Meg files.

NZVRS © COPYRIGHT 2012

EDITORIAL

The last July AGM saw some adjustments to the subscription rate for the society – effective for the new subscription year 2013. Renewal rates on subscriptions are now \$25 early bird before 15 March, \$30 after with \$20 set for the e-copy rate. An E copy version can also be provided free when a print version subscription is paid. There is a subscription renewal form with various option enclosed with this issue. Similarly there is details of the 2013 AGM Crystal Set Competition. This is in essence an open competition for any member who can build a crystal set – size depends only on getting it into the Hall, although demonstration units can be displayed outside on the lawn (weather permitting). The judges will attempt to award as many certificates of merit as there are entries at their sole discretion.

On other matters the society has been asked to remove its library collection from the special building built and maintained by our previous librarian Ernie Harkanson. We have been lucky to have had this secure storage facility for nearly five years now after Ernie's death but have been looking at a variety of options for its new home. We were disappointed that an option on a "bunker space" (air conditioned and internet provided) in an Auckland Council library building did not eventuate, but this has been allocated to a more youthful group - as a quiet recording studio space.

Included in this bulletin is a TradeMe highlights page – perhaps some member(s) may like to take this on as a regular column or even just provide a selection of their observations. It generally seems to provide a series of surprises - both at values and peoples' expectations. Also I think members should be aware of current values on the web. As now seems the norm this bulletin has been far too long in production but the next issue is already underway. Hopefully 2013 or year of the water snake will see a timely catch-up in such things as evidently 'all things are possible'!

Cheers, David

CONTENTS

Coast Watchers:

Book: Gilbert Islanders in WW2 by Peter McQuarrie	4
Book: 'Special Duty Outside NZ' by Dale Williamson.	5
Special Memo to NZPO Staff	6
CW Site pictures of the 1940's	8

A Tippler Restoration by B Tippler

Fret Work restored G Lea 11

La Wood radios from A Williams 13

ZC8 background by P McQuarrie 14

The 941 SWB var by P McGeachie 20

Highlights from TradeMe 25

Tips & Tricks: a Chassis Holder 26

INDEX to Vols 28 – 33 27

USUAL ITEMS:

Marketplace & Wanted Ads 30

NZVRS Bulletin

P.O. Box 13 873, Onehunga,

Auckland 1643

Email: nzvrs@pl.net

The Cover Picture:

Man with a radio in his hat. Mr R E Hereford, a student of Victoria University, wearing a transistor radio he built himself, was snapped by an Evening Post photographer in November 1950.

New Members

Headifen T	Levin
Cook M	Palmerston North
Paul R	Warkworth
Shuttleworth K	Tauranga
Leach F	Picton

Noted Passings

Richard Cotton	Auckland
Roy Symon	New Plymouth

BOOK REVIEW: For Special Duty Outside New Zealand – The New Zealand Coastwatching Service During WWII, by Dale Williamson.

Reviewed by Peter McQuarrie.

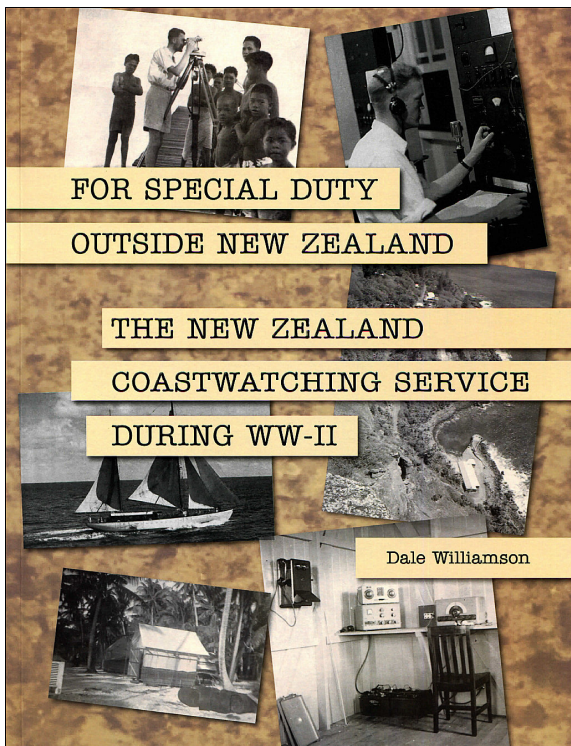
This is the first book to provide a comprehensive account of New Zealand's coast-watching service during the Second World War. Parts of the story have been told before in other publications but Dale Williamson's book covers all the operational areas from the sub-Antarctic islands, the stations within New Zealand, to those in the tropical South Pacific Islands.

The book is attractively presented with many illustrations, maps and tables. It is not heavy reading yet it is authoritative, the author knows his subject well and there are referenced footnotes and a comprehensive bibliography. The book is the outcome of scholarly research that the author undertook in preparing his thesis for a Master in Philosophy degree at Massey University, awarded in the year 2000. On a personal level, Williamson developed an interest in coast-watching from his father, the late Jim Williamson, who was one of the coast-watchers stationed on Suvarrow Atoll in the Cook Islands.

Chapter 12 should be of interest to NZVRS members as it is devoted to the radio equipment used. It discusses radio frequencies, transmitter powers, antennas and other technical matters. The AWA Teleradio 3BZ transmitter and receiver are described in some detail with circuit diagrams and specifications. For those who may wonder how this technical chapter came to be included in what is otherwise a history of coast-watching, it is well to know that Dale Williamson is a retired telecommunications technician and had a career in radio communications.

The book is an interesting read and very useful to anyone interested in the subject. One does need to accept however, that, of necessity, the bulk of the information contained in it has come from official files of various government departments, the PWD, Met Office, P & T Dept, War Dept, etc. The book is an unofficial history of NZ coast-watching but based largely on the official records held by Archives N.Z.

For Special Duty Outside New Zealand – The New Zealand Coastwatching Service During WWII, Dale Williamson, Wellington: published by the author, 2011. 225 pages, illustrations, maps, tables, bibliography, index. RRP \$70 Available from Capital Books, Wellington info@capitalbooks.co.nz, www.capitalbooks.co.nz/, or contact the author: dale.Williamson@xtra.co.nz



New Book Announcement:

The Gilbert Islands in World War II by Peter McQuarrie

The flier says: “World War Two history remembers the Gilbert Islands for the Battle of Tarawa, the US Marines’ first bold amphibious assault against a Japanese stronghold in the Pacific Islands. But there is much more to the WWII story of the Gilbert Islands than a single battle. In addition to the Battle of Tarawa, this book also tells of the periods of Japanese and American occupations, of coast-watching and German raiders. This history of a time and place is also a story of the people involved. In addition to the Americans and Japanese it is also the story of Gilbert and Ellice Islanders, New Zealanders, British, Chinese, German-Marshalllese and “Kai Viti” people (British Fiji Citizens), who by one means or another became caught up in the war in the Gilbert Islands.

The author has used oral and written accounts of people who were directly involved, as well as official records in archives in Kiribati, Fiji, Tuvalu, New Zealand, the United States and Australia. This is a thoroughly researched, comprehensive and unique account of WWII as experienced in these small and remote atolls of the Central Pacific.”

Published by: Masalai Press, 368 Capricorn Avenue, Oakland, CA 94611 USA.

masalaipress@gmail.com

277+ pages, illustrations, maps,
bibliography, index. List price:
US\$29.95. ISBN 9780971412781

Table of Contents:

Front matter

The arrival of the German-
Marshalllese

Airfield surveys in the Phoenix and
Line Islands

Fanning Island garrison

Coast-watching

German raiders

After Pearl Harbor—Tarawa and
Ocean Island

Butaritari captured

Launch escape

Carlson’s raid and the bombing of
Keuea

Occupation of Ocean Island and
Abemama

Occupation of Tarawa and
fortification of Betio

Bombing

Operation Galvanic

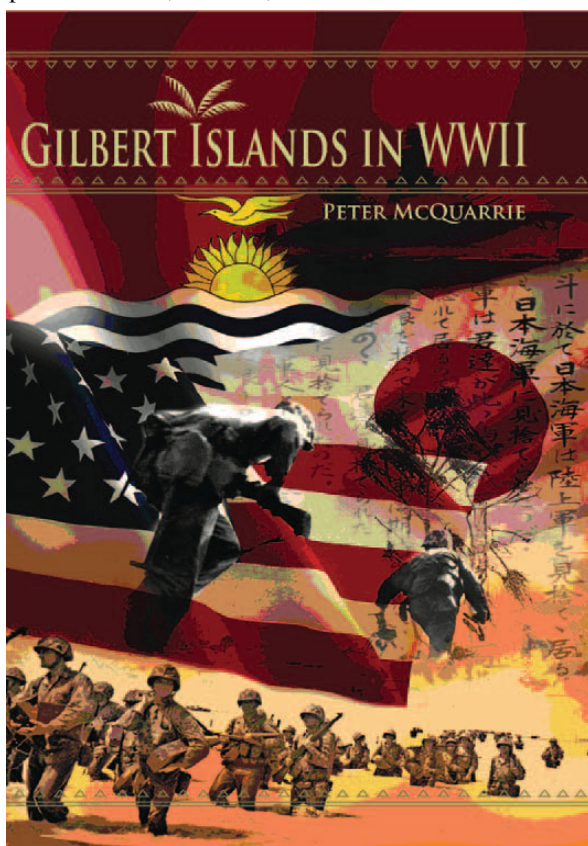
US occupation

Surrender on Ocean Island

Conclusion

Epilogue—dealing with the dead

Appendices, notes, bibliography &
index



Available from; Amazon, Barnes & Noble and other booksellers.

The following is a transcription of an NZPO memo to all Radio Division Staff seeking subscriptions for a suitable memorial fund from staff:

Radio, Division,
General Post Office,
WELLINGTON, C.1.
25th October, 1944

To all radio sections

Most officers of the New Zealand and Pacific Island radio services are aware of the tragic circumstances surrounding the death at Tarawa (Gilbert Islands) of eight of this Department's radio officers, together with a number of New Zealand soldier companions, and civilian residents of the Group.

The bravery and sacrifice of all personnel who fell into the hands of the ruthless enemy at Tarawa, will not be forgotten. But I feel that we, as a radio fraternity, are particularly conscious of our pride in, and admiration of, those of our own fellow-officers who in the common cause made the supreme sacrifice.

Those of us who were in the Pacific Islands at the time, and also our own people in New Zealand, will recall that in 1942 we were in imminent danger of attack by the enemy. I am sure you will agree that the service rendered by the radio coast-watching staffs - more particularly those in the Gilbert Islands, represented one of the vital links in the chain which held firm in our defence scheme. In preventing further enemy attacks in the South Pacific area, radio coast-watching played no small part.

While some of the radio officers who lost their lives were more or less new to the radio-service, others were well known New Zealand operators of the pre-war period. However, each served with honour and distinction in carrying out his duties to the last and each met his death after capture as a gallant gentleman.

Whatever action might be taken to commemorate the deeds of these radio officers, I feel sure that we radio men serving in New Zealand and the Pacific would wish that our particular branch of the Service should establish a permanent memorial to commemorate the services of those of our colleagues who as radio operators lost their lives in the service of their country. You will no doubt feel with me that in years to come it would be an inspiration to radio men if they had before them a permanent record of the services rendered and the sacrifices made by the men who lost their lives at Tarawa.

Although it may not be possible to proceed immediately with the erection of a memorial, I am of the opinion that the present is

an opportune time to invite all radio officers serving in New Zealand and the Pacific to subscribe to a fund which would ultimately be used for the establishment of a suitable memorial.

It is thought that officers might wish to offer suggestions regarding the form that such a memorial should take, or to make some comments regarding the proposal. It might be considered that a memorial plate could be placed in the Tarawa radio-station (subject to approval by the High Commissioner for the Western Pacific) and a framed scroll of honour prepared, a copy of which could be hung in Suva, and in each of the main New Zealand radio stations. If funds permitted, perhaps a suitable book could be presented annually to the most diligent native operator or student native operator in the Gilbert and Ellice Group. These are merely suggestions and no doubt there are others which would prove worthy of consideration.

It is proposed that pending a decision as to the form of memorial, any funds received should be held by three trustees who would be responsible also for the final decision as to the form of the memorial.

The proposed trustees are as follows:-

The Director of Accounts.

The Divisional Director (Radio Division).

The Superintendent, Wellington Radio.

The following are the names which, it is suggested, would appear in the memorial:

A. L. Taylor (N. Z. Post and Telegraph Department),

T. C. Murray (ditto)

H. R. C. Hearn (ditto)

A. C. Heenan (ditto)

C. A. Pearsall (ditto)

A. E. McKenna (ditto)

J. J. McCarthy (ditto)

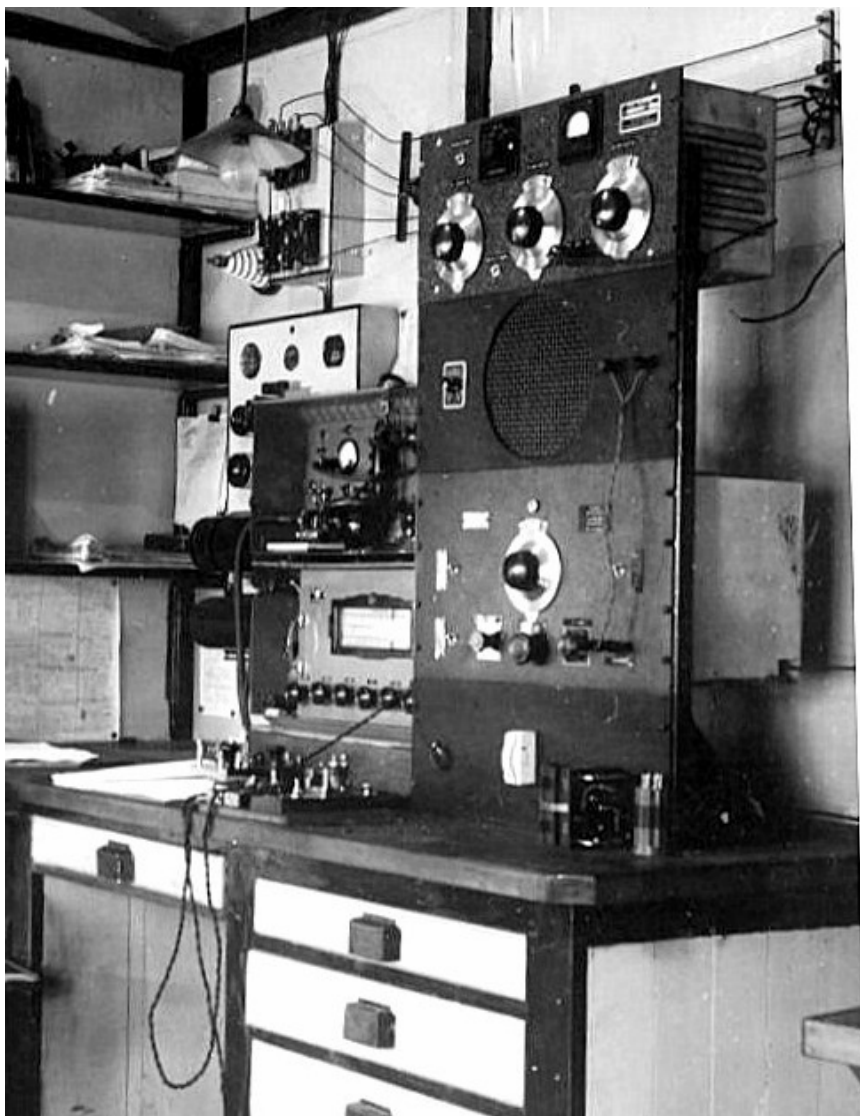
R. G. Morgan (Western Pacific High Commission).

Pending the establishment of the proposed fund, will you please address any communications on the subject to me care of the Radio Division, General Post Office, Wellington, together with subscriptions from officers at your station. It is suggested that at main stations an officer on the Staff Committee might undertake the collection of subscriptions.

Yours faithfully,
(Signed) F Steel?

Coastwatching Station Pictures on the 1940's

National Library Digital Collection has some glass slide records from the Sir Charles Fleming collection of the various costal stations around New Zealand in the 1940's. There appears to be some similarity of equipment installed at these stations. Most seem Morse operated but the lower (Auckland Island) hut has a microphone on the top shelf? Also both these pix have a receiver a little similar to a Marconi SMR3 as the main receiver? Perhaps someone can identify these various items?



No 3 camp Resolution Harbour Campbell Island 1946-8 ??



C Young, wireless operator on the job, Campbell Island photographed c 1941 – 45



Coastwatchers “hut” Auckland Islands, December 1942. Note the top shelf microphone and interesting transmitter above the operator that perhaps someone can identify?

A Tipler of a Restoration from Brian Tipler

<brian.sue.tipler@xtra.co.nz>

Brian Tipler forwarded these pictures of a basket case he has restored to a working set.



Above: Left the delaminating Belmont that had been stored in somewhat damp conditions.
Above Right: the finished working product. Below: The dial.

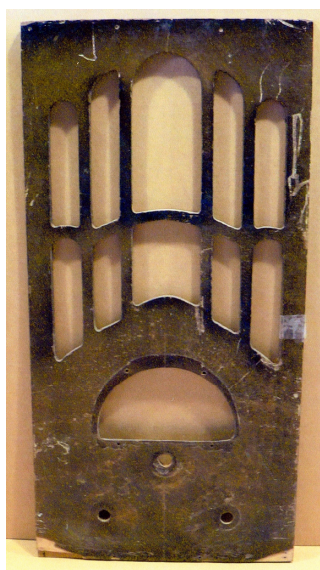


Fretwork cutting made easy

by Graeme Lea

I have enclosed a series of photographs that will illustrate what I think could be a useful service for members.

The photographs marked "A", "B" and "C" are three panels for an Ultimate 5LA set of around 1934. I was originally given the set and the cabinet was in a very sorry state with serious water damage. No bottom was left, the bottom of the side panels had disappeared but I managed to keep the centre front panel ("A") as a pattern that could be used later. At some later date I got another Ultimate cabinet with no chassis but this cabinet was about 2 inches taller than the cabinet I had and the front panel had been re-cut and new control holes drilled for a chassis with a half-moon dial ("B") [*this photo was slightly damaged. Ed*]. An attempt to fill these and fit a new layer of veneer was tried but abandoned, as it was too hard to trim around all the edges of the very brittle veneer.



A



B



C

Through work during the last couple of years I had seen some of the jobs they had done by a company that does water jet cutting mainly in stainless steel.

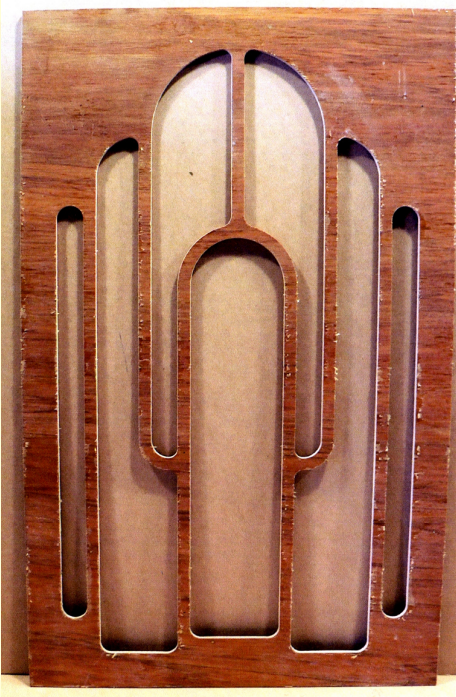
Now that I have retired and, at times, have a little time to spare I thought it would be interesting to investigate the possibility of getting a new panel cut.

My friend Sam did a good job of putting some veneer on a piece of ply for me and then off to the cutters it went - instructions were given that I wanted the new panel match ("B") but with the dial cut-out as on panel ("A") and I would drill the holes for the three controls to suit later. The panel that came back was amazing ("C") - nice crisp edges and minimal finishing needed before fitting back onto the cabinet. Cost \$30.00

The other project in the same line is the speaker fret for the Courier Battery set that I have. The original fret ("D") was in a sad state in one area especially where the borer had just given up holding hands at all. Once again the cutters did a great job and I now have a complete new copy of the fret that can be finished and re-fitted when the time comes. Cost \$30.00 ("E")



D



E

The company is called: Aquajet Cutting Centre Ltd
489c Devon Street East
New Plymouth
Phone (06) 769 6944
Website: www.aquaietcut.co.nz

They can't cut MDF or chipboard but it would appear they could cut most other more solid materials. I'm certain there must be similar places in the Auckland area that would undertake this sort of work as well.

Hi David, Dug out a hybrid La Wood plus a few others. I wonder how many models La Wood produced? I know they also made car radios. Interesting, the IC model is also marked model MR/1 . The '8 transistor' model, cannot read model No. and the larger 'LARA' model is MR 4. The IC and 8 tr. models both use permeability tuners. *[Photos opposite/ next page. Ed]*. Best regards, Arthur Williams



NZ Army Wireless Set type ZC8

by Peter McQuarrie

In August 2004, Reg Motion wrote about the Wireless Set ZC8 (NZVRS Bulletin, V25, No 3). I would like to add a little more to the ZC8 story and especially to highlight the relationship of the ZC8 to the Australian 108 set. Much of the ZC8 history remains untold and I would welcome input from anyone who can provide additional information.

When I first heard of the ZC8 (officially the 'Field Wireless Set, ZC8 Mk I'), an NZ made, World War II radiotelephone, I became very interested, thinking that this could possibly be another unique NZ creation like the famous ZC1 set. After doing some research however, I discovered that the ZC8 is a close copy of the Australian WS 108, which was totally Australian designed and built. The Aussies may have pinched our Pavlova and Phar Lap, but we appropriated their 108 radio design.

The WS 108 In 1939 the Australian Army embarked on a modernization programme for its radio communications equipment. As part of this programme it issued a 'Request for Tender' for the design and manufacture of a small field radio-telephone that could be worn by the operator as a backpack. The tender specification was based broadly on the British No 18 set. (This was the standard British Army man-pack radio of WWII. It used a low-power transmitter, operated on dry-batteries and had separate receiver and transmitter modules in a single metal case fitted in a back-pack harness). The tender was awarded to Radio Corporation Pty Ltd, a subsidiary of Electronic Industries Ltd, in Melbourne. The first 108 sets (Mk I, 8.5 – 9.0 MHz range) were made in late 1940 or early 1941. The Mk II set, with a wider frequency range (6.0 – 9.0 MHz) came out in 1941 and it was this version that the ZC8 was based on. (This was also the frequency range of the British No 18 set).

The ZC8 Dominion Radio and Electrical Corporation manufactured the ZC8 in Auckland and wherever possible in the construction used NZ made components. The sheet metal case and the backpack harness were made in NZ, as were the coils, transformers, front panel dials and knobs. The antenna and mounting were also locally made. Because of procurement difficulties due to the war, NZ manufacturers had to use what components they could get, so not all components used were identical to the Australian 108 set. For example, they don't use the same meters.

A Comparison It can be seen from the photographs of the 108 and ZC8 sets and from a comparison of their specifications (Table 1) that the two sets are very similar. They use the same valve line up and the same dry-battery types. In size, weight, circuit and layout, they are virtually identical. Both radios are 7 valve transceivers using 5 valves as superhet receiver and 2 valves as transmitter Master Oscillator and Power Amplifier. The common audio stage powers the headphones in receive mode and is the modulator in transmit mode.

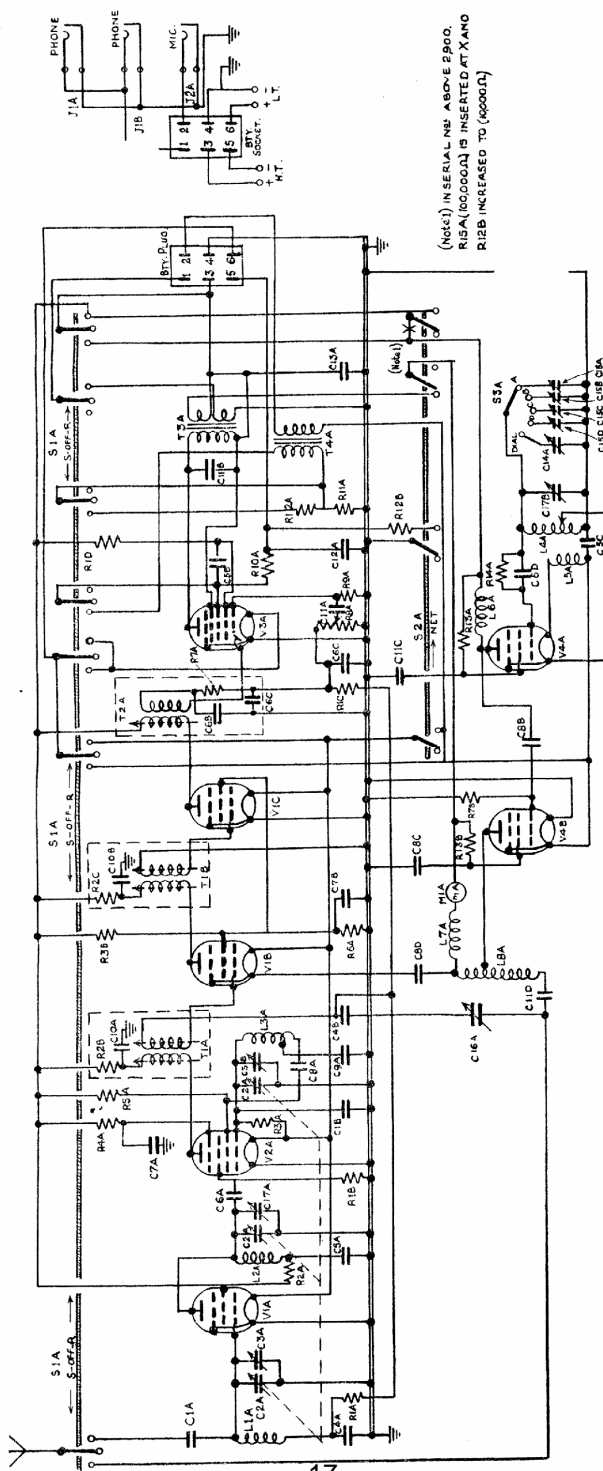
But the ZC8 is not just a copy of the 108, it is more the NZ version of the 108. Some of the minor differences are: The ZC8 has an IF frequency of 455kHz and the 108 uses 1600kHz; receiver audio output has provision for both high and low impedance headphones in the ZC8 and only low impedance in the 108. The block diagrams of the radios are identical but there are many circuit differences. Many of these differences are no doubt based on what components were available in the two countries during the time of WWII scarcity; the values of capacitors that were available for tuned circuits, what gauges of wire and sizes of formers could be obtained to wind coils and transformers etc. Exactly how all the differences came about is now probably lost in the mists of history. The only real operational differences are that the 108 is capable of both MCW transmission and AM voice, with VFO plus fixed switched channels and the ZC8 is limited to AM voice transmission and VFO tuning only.

Summary The ZC8 is an interesting little field radio which was made in NZ during WWII and is now rare and collectable. But unlike the ZC1, it was not based on an NZ design and was not produced in great quantity.

Acknowledgements I would like to thank NZVRS member, Ross Jowitt, for sharing his knowledge about the 108 and ZC8 radios. Tony Bell, in Australia for additional information on the 108 set.

TABLE 1 Comparison of WS 108 Mk II and ZC8 Radios

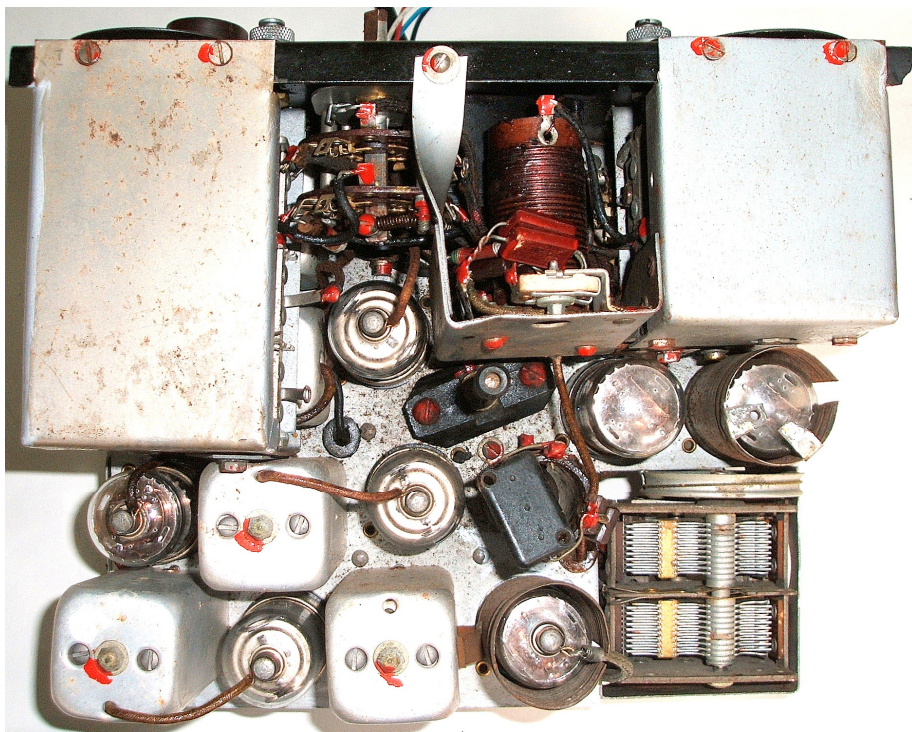
	108 MkII	ZC8
Type of set	Radiotelephone transceiver	Radiotelephone transceiver
No of valves	7	7
Type of valves	RF 1N5 Osc 1A7 1 st IF 1N5 2 nd IF 1N5 AF/Mod 1D8 Mod 1Q5 PA 1Q5	RF 1N5 Osc 1A7 1 st IF 1N5 2 nd IF 1N5 AF/mod 1D8 Mod 1Q5 PA 1Q5
Freq range	6 to 9 MHz	6 to 9 MHz
Antenna	6'	7 sections 6'7"
Dummy Ant.		50 pF cap
Power supply	2x45 V 1.5 V	2x45 V – 762 1.5 V – C116
Dimensions	H – 11.75" W – 9.5" D – 9.5"	H – 12" W – 9.75" D – 10"
I.F. Freq	1600 kHz	455 kHz
Remote control	Cable	Cable
Microphone	Carbon	Carbon
Rx Audio	Lo Z only	Switchable Hi Z 4k Ohm Lo Z 60 Ohm
Freq selection	VFO & switched positions	VFO only
Mod	Voice & MCW	Voice
Date built	1941	?
Date designed	1939	?
Tender	Aust. Army 1939	
Handbook date	October 1941	November 1942





Above ZC8 below 108 set.





Above the ZC8 below the 108 Set internals

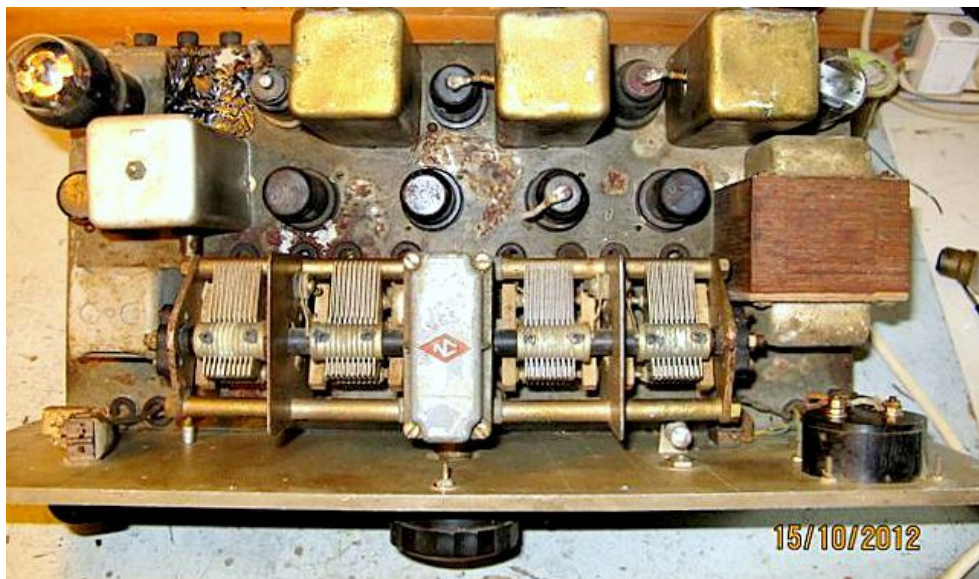


The NZ HRO Receiver revisited

By Phil McGeachie.

My article on the 938 SWB and the 941 SWB series of Communications Receivers [*NZVRS Bulletins 17-4 & also mentioned in 32-3 & 32-4*] outlined in general terms the construction, operation and intended use of these receivers which were based on the National HRO Receiver produced in the United States.

A number of countries made versions of them and the internet will supply much data on these. I have been keeping a watch for any other of “our HROs” and recently I obtained another but rather different version that I had not seen before. See photos;



It does not help that this Receiver is completely lacking in any Type Numbers or Serial Numbers. I call it a 941 SWB ‘Variant’ at this stage.

Let's look at it:

It has an Aluminium front panel of 6.5 mm thickness which is painted in light green (original) wrinkle paint. A large piece of aluminium which possibly dates it to pre WW2.

There is a small square meter (0-20 mA) in top right of panel, seems to be wired as a tuning meter. It is not original as there is a small screw hole next to it that would normally be holding a label for a control in this position. Also I suggest that this meter was mounted quite soon after the set was made as it has flattened the wrinkle paint as much as the other fittings.

This set has a built in power supply using components that fit the 1938-42 time frame and is quite professionally fitted. However the mounting holes for the transformer were drilled not punched like the rest of the chassis. It also has AGC fitted and a Pentode output stage for greater audio level together with an output transformer with Low Z speaker output impedance. It appears that it originally had the low power audio system for headphone operation

Interesting that some of the small engraved bakelite labels have been removed, turned over and re-engraved. The MVC - AVC label has Cath Mills on back, while the AUDIO GAIN label has LOCAL KEY on back – was this factory expediency or a retro-fitter with a good workshop?

The receiver also has the BFO pitch adjusted by a trimmer inside the coil can and an extended shaft goes through the front panel. This is a variation on the potentiometer control used on the other 941s.

The Collier and Beale label on the panel has not been stamped with any print or numbers, likewise the coil boxes have no type/serial numbers. The coil boxes are one piece cast aluminium units but slightly different to the other 941 units I have examined. They are probably interchangeable however but with no numbers who would know if they had the correct coil set? Three coils came with the set and cover the range 2.5 to 20 MHz.

The set has no components later than about 1948 in it. This makes me think that this set was possibly first modified by the original user whoever that was and that this was carried out very early on - or is it possible that this was a prototype for a production run that did not start?

Identity of this example is quite difficult as it has characteristics of both the 941 SWB and the 938 SWB. The chassis underside is showing the effect of many minor modifications by subsequent owners but surprisingly without any apparent replacement of resistors or capacitors apart from four of Mr Hunts fine products.

I would like to find out more about these receivers - particularly the variations existing and serial numbers. The P&T records I quoted in my article of course only hold good for wartime production and P&T contracts at other times. There seem to be no other records of contracts and users.

I would be most pleased if anyone can help me with photos and information on examples they have even if the equipment is incomplete. I also need type numbers and serial numbers where these may be available. Thanks in advance for your help.

Update from Phil; I have a little more information on production numbers of the 941SWB and 941SWB-2 receivers:

Serial numbers: 333-338 = 6, 594-605 = 15, 606 - 609 = 4, 469 - 495 = 26, 789 - 812 = 14, 981 - 1030 = 49. This last production run was for 941SWB/2 version S#1031 - 1054 = 23

That's a total of close to 140 made but probably still short of the actual total?

However the Wellington Collier & Beale website [http://www.zc1-radioclub.wellington.net.nz/Collier_and_Beale.htm] provides the Collier & Beale production schedule figures for 1939 – 46 and there are the following entries for approximately 110 sets:

TECHNICAL & COMPONENT DATA COVERING TYPE 939-S.W.B. RADIO
RECEIVERS

Serial 203 & 204
" 418 & 419
& TYPE 139 A.C. Power Supplies
Job 12,017 21/6/40 Dwgs. 553&538
Ref: 150/5487
O/No H-7924

TECHNIC L & COMPONENT DATA COVERING TYPE 940-S.W.B.-1 Radio
Receiver and Type 40-A.C. Power Supply.
Job 12,766 20/8/40 Serial 212 & 449 Dwgs. 533 & 538/563 O/No. H-8237
Ref: 150/5657

TYPE 940-1 S.W.B. RADIO RECEIVER IN MASTER FILE (OFFICE)
Job 13,122 18/9/40 Serial No: 224 Dwgs. 553
Ref: P & T 15C
BULLETIN NO: 57 57C
TYPE 1040SW 1000 WATT HF
O/No. H-8442

BULLETIN FILE NO. 5.

9-VALVE SHORT-WAVE RECEIVERS, Type 941-S.W.B. Serial Nos. 594/605 Type 941-SW
Serial Nos. 606/609 15/9/42
C. & B. Ref. J-1758A & 1759A. P. & T. O/No. H-1286, Ref. 151/5314
BULLETIN NO. 84.

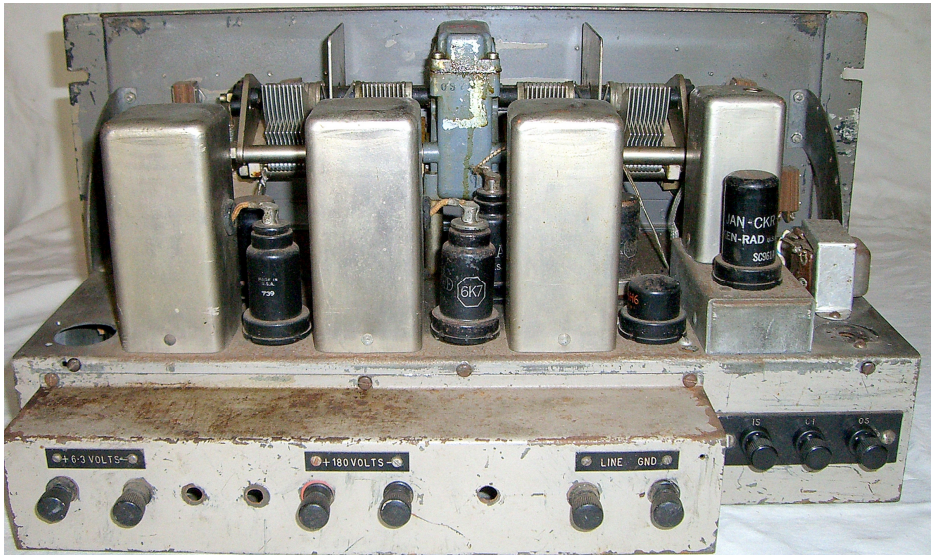
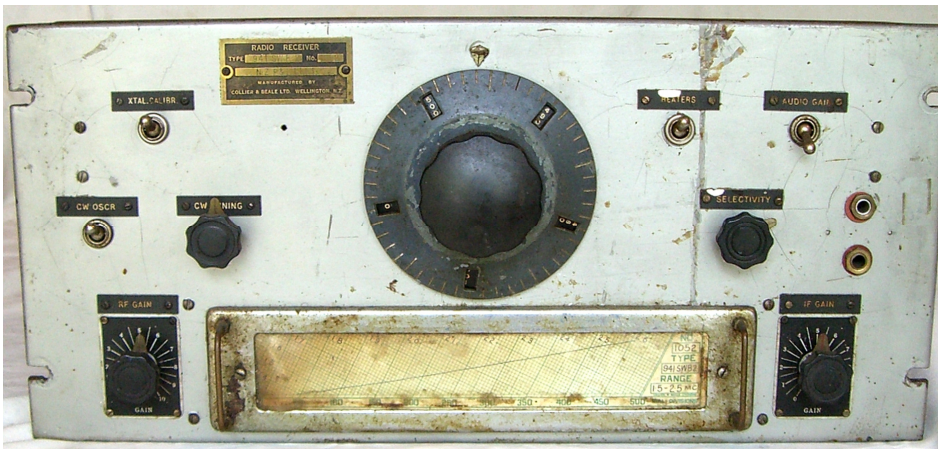
9-VALVE SHORT-WAVE RECEIVERS. Type 941-S.W.B., Serial Nos. 789-812 & 981-1030
Type 941-S.W.B.2. Serial Nos. 1031-1054.
Job 2211A & 2371A. Drawing No. 596. Ref. P. & T. O/N H-1791 & H-2325.
BULLETIN NO. 96.

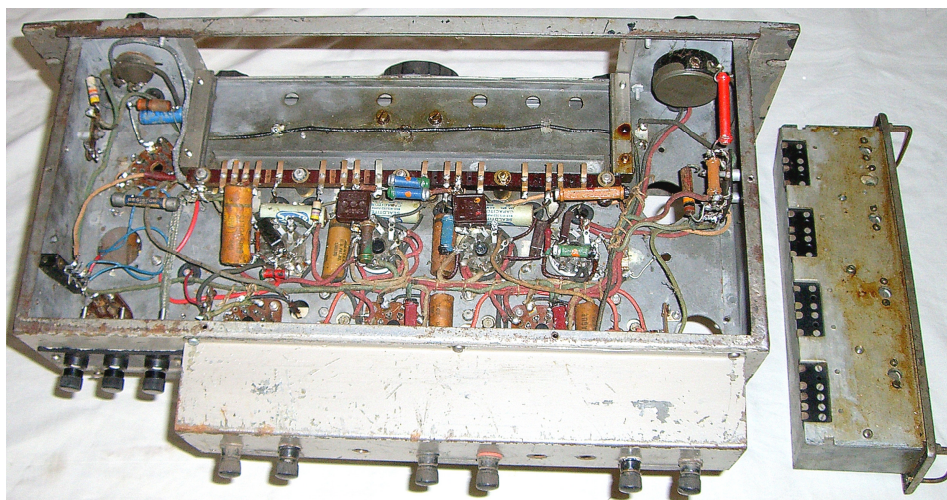
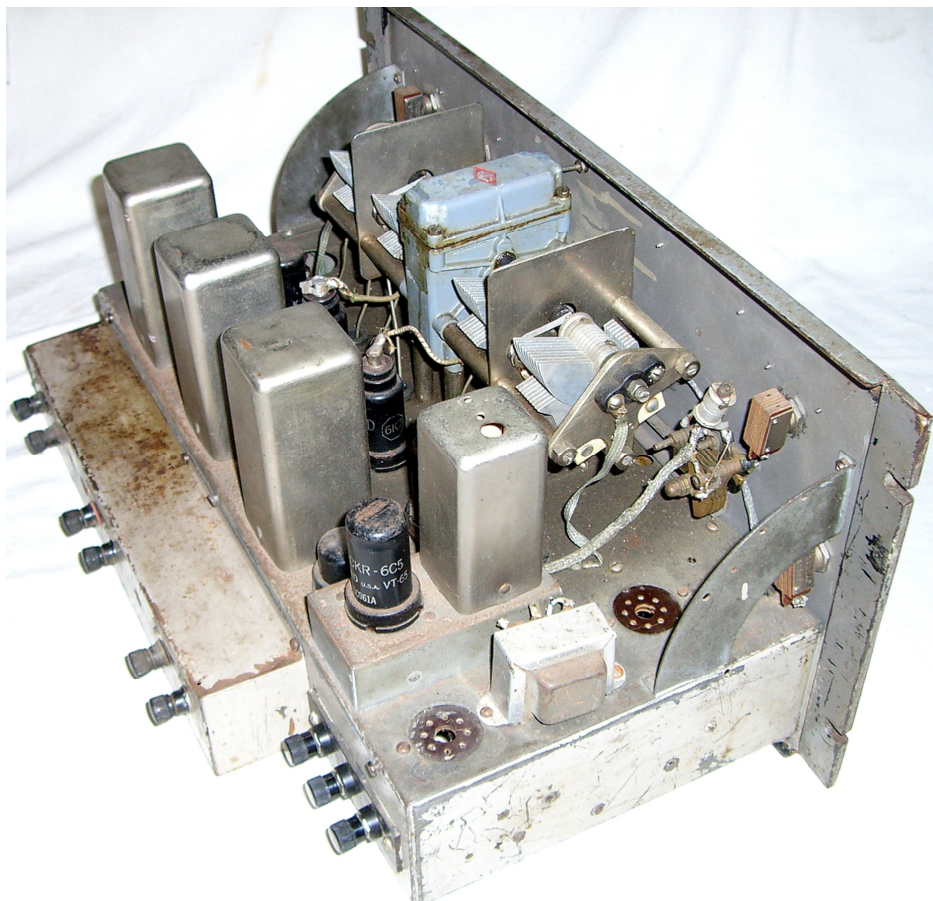
SCHEMATIC DIAGRAM & COMPONENT DATA COVERING 9-VALVE SHORT-WAVE RECEIVERS,
Type 941-S.W.B. Serial Nos. 981 to 1030 inc. Drawing No. 683.
Job 2211A & 2371A. 15/9/44. Ref. P. & T. O/N H-1791 & H2325.
BULLETIN NO. 109. Replaces Bulletin No. 96.

Pictures

There are also some good pictures on the web at the following Australian websites;
Ray Robinson's Communications Museum www.shlrc.mq.edu.au/~robinson/museum
Ian O'Toole's Kurrajong Radio Museum www.vk2bv.org/museum

[These show the relatively simple yet effective construction and the phosphor-bronze connectors from the coil boxes to the main set electronics. The rear supply connections have screened suppressors within the outrigger compartment. Ed]





Recent observations from the Internet Auction House TradeMe.

a) **Pacemaker Fliptop Portable**. Fire Engine Red {Reserve not met at \$460 bid}



Description: Pacemaker fliptop battery-mains portable from around 1952, in stunning fire engine red, with contrasting ivory carry handle and door. Small nick on left front edge, (see photo), and minor scuff marks on back cover. Otherwise, absolutely no chips or cracks, cleaned and polished and working very well on mains power. Sorry, but no electrical guarantees given. This is a very, very smart-looking item, in surprisingly good condition.

b) **Black Fisk Radiolette** Winning bid: \$1,030



Trips and tricks – a chassis holder!

Behold this clever contraption from the Dutch (as seen in the Radio Historisch Tijdschrift magazine #142), a chassis holder (well perhaps for the smaller sets rather than communications receivers or boat anchors)! However the concept is simple and I would imagine very effective for a range of sets. From casual observation it appears to have the following features:

- a) adjustable width (with the hollow frame and rod inserts to allow accommodation of a range of dimensions)
- b) rubber or plastic tube “feet” to provide a little protection and resistance to the bench to stop the set migrating about while it is being worked upon.
- c) an indexing disc arrangement on the right hand side to allow a variety of fixed inclinations of the set being worked upon (rather than collapsing or suddenly changing position at a particularly awkward moment).
- d) a simple clamp arrangement on the left hand side (with threaded? rod attached to the axial) to clamp a variety of chassis thicknesses. It is hard to see if this is infact threaded or perhaps using some simple quick release locking spring arrangement to hold it in place. The right hand side does not appear to be the same but has somewhat simpler clamping feature.



VRS Index 28 - 33

Item, Author (where space allows), page reference

Akraud

Postscript - Akraud WO Item 28/3/6
Akraud 5M4 31/2/19

Audio

1949 Amplifier Jack Whittaker 29/2/20
Quad Transformer winding details 29/3/27
Remler 88 HiFi John Eckland 29/4/15

AWA

Facelift for an AWA 70 Peter Henstridge 30/2/6

Books

Vintage Radio by Tony Thompson 29/4/5
Radio Days; Australian Bakelite Radios 1932 - 1954 30/1/28
Where Discovery Sparks Imagination 32/4/7
Invaluable Service: The secret history of New Zealand's Signals Intelligence during two world wars Ball, Lord & Thatcher 32/4/9
Valves Revisited by Grahn 33/3/23

Cartoons

HR - At last everything is ready 29/2/27
John went to the radio sale this morning 29/4/17
'Listenin' 31/2/32
Wireless technology 32/2/29

Circuit

Monarch model HN Warwick Woods 28/3/8

Collier & Beale

941 SWB 2 components 32/3/24
Collier & Beale 5155 Bakelite set 30/3/10

Columbus

My Columbus John Roberts 32/3/26

Courier

Courier Radio from Northern Hemisphere 30/4/8
Courier 5BB in Mission Bell cabinet 33/3/13
Emerson The Emerson U5L 30/2/21
Federal Federal F40 - Taranaki Find 31/4/5
Early Federal Radio Arthur Williams 28/1/24
Grebe Grebe Synchrophase rebuild 30/1/12
Grunow Grunow 450 set restoration 29/2/15
Grunow 450 cabinet restoration 29/2/18
Hiker Hiker sets again (the Elf) 31/1/14

History

Frequencies of Early NZ Broadcasting Stations
Reg Motion 28/1/13
60 years ago in NZ 28/1/27
Eric H Battershill 1913 junior leader 28/4/7
1YA in Symonds St - W.J. Truscott 28/4/11
LEDs over 100 years old 29/1/5
Early Ham activity in NZ 29/1/8
NZ Radio Licences for Dec 1923 29/2/26
IYA Transmitter with William Higgins in control c1924 29/4/7
Radio NZ International 60th anniversary 29/4/18
Wellington Radio ZLW Jamie Pye 29/4/21
75th Anniversary of invention of FM 30/1/26
Bakelite 100 years old 30/1/27

Mt Eden Radio - a history Ian Walker 30/1/29
Bar Amplifier David Crozier 30/2/5
Jack Binns - Republic Marconi operator 30/2/15
Americas Cup yacht races 1901 - jamming 30/3/7
Radio System installation Bill Heinz 30/3/20
State of Emergency 1939 30/4/4
SOS Radio Ltd bag 30/4/6
VLD - ZLD Auckland Radio (reprint) 30/4/19
Bearing Head Radio facility Foss Leach 31/2/4
Great Barrier Island Pigeongram Service 31/3/23
NZ Meccanoman's story David Crozier 33/1/28
Himatangi Radio Transmitting Station - part 1
George King 28/1/4
Himatangi Radio Station - Pt 2 28/2/16
Himatangi Radio Station - Pt 3 28/3/20
Army Field Sets - NZ Manufacture memo 28/3/24
The first 1YA 28/4/13
BBC World Service 75th anniversary 28/4/13
Sputnik - 50 years ago 1957 David Crozier 28/4/29
2nd ANZAC Wireless Squad Card 1953 29/2/7
Wireless Telegraphy Act 1903 29/3/11
Trans-Tasman Radio Message 100 yrs ago 29/3/12
General Radio comes to Bell Radio & TV dinner in 1962 Cliff Maxwell 29/4/20
OTH Radar Duga-3 20 years on 30/1/11
FM development in NZ 30/1/26
1953 Health Stamp - with Morse "Health" 30/3/27
What radio did Ed Hillary take to the Pole? 30/4/23
NZ Radio Dealers & Engineers 1929, 37 & 39 30/4/24
Radio Mick does the Trick Rex Handcock 31/1/11
Polar Transceiver 557HF by C&B 31/1/21
Arctic Radio Gear made in NZ 31/1/22
Wireless Lecture 100 years ago 31/3/12
Ultimate Ekco Distributors NZ 31/3/26
Rola / Byer 100 studio recorder W Thiel 31/4/32
Tikker and other detectors 32/1/6
1ZD 50th anniversary invite A Love 32/1/30
John Stoke's Japanese Radio 32/2/4
1ZD QSL card pre service D Davey 32/2/6
George Court's Radio no. 3 B Powell 32/4/28

Humour

All you need to know in Radio 29/3/23
Murphy Laws of Radio Servicing 31/2/30
Mentally Unbalanced 32/1/32
A "Wood Radio" David Chapple 30/4/23
10 commandments for Technicians 30/4/30

La Wood

La Wood MR1 hybrid radio 33/2/23
La Wood Electronics & Robin Wood 31/4/10
La Wood MR1 hybrid radio 33/2/21

Letters

Awarua Radio George Newlands 28/1/26
Ultimate cabinet & chassis W Thiel 28/2/31
Telephone Technician for Wn Museum 28/3/30
Radios wanted for Awarua Radio Museum 28/3/30
Letter from Australia Jack Whittaker 29/4/8
Helensville Exhibition Cliff Wright 30/2/8
Victor Hugo QSL Card (1938) 30/2/9
HMV 471 30/2/11

Lincoln Radio info wanted	N Braithwaite	30/2/19	Mullard starts production again	29/4/14
Rolax Radio query	Richard Straight	30/3/18	Obituary	
More Viking Radios	Paul Burt	30/4/12	Albert McNicol	Pete Ingram 28/2/11
Info wanted on Henry Searle of Chch		30/4/22	Erna Stokes	28/3/4
30 years membership feedback		31/1/4	Sir Angus Tait ZL3NL	28/3/4
Ultimate Ekco	Rob Prado	31/1/5	William Charles Farmer	28/4/4
Philips Radioplayer P626	Stu McLeod	31/1/6	Athol Norman Winger	29/2/6
Majestic 181	Rex Handcock	31/1/10	Ernest Andrew (Ernie) Hakanson	29/2/6
ZLW operator identified	Peter Baird	31/3/4	George King	Reg Motion 29/2/8
ZLO feedback	Jack Whittaker	31/4/4	Douglas Charles (Doug) Morris	30/1/5
American set - info wanted (id as Stromberg Carlson "Autograph" model 1135A)	B Marsh	31/4/9	Kenneth Clement Bate	30/1/5
Transformer rewinding notes	P Lankshear	32/2/22	Ted Baker of Bathurst	30/1/5
AGM Receiver competition	P Lankshear	32/3/10	H L (Charlie) Cubitt	30/1/5
941 SWB #1000 ?	Phil McGechie	32/4/4	Edmund William (Ted) Grant	G Street 30/1/6
Philips low pass filter no filter	D Beswick	32/4/4	Paul Andrew MacDiarmid	30/4/6
Type 242 transceiver - info wanted		33/1/4	Charles E.L. Field	Andrew Saunders 31/1/8
QSL Card request	Barry Williams	33/1/6	Les Hepburn of Tricity House	31/3/23
HRO of 1959	Des Davey	33/2/4	Arthur Thomas Duxbury	D Crozier 32/1/12
Nelson Radio 2YA / 2XN	B Palamountain	33/2/4	Peter (Pete) Ingram	Chch group. 32/3/5
H2S stuff	Ian Thompson	33/2/30	Rodney (Rod) Osborne	33/2/8
Midwest 16 valve Receiver		31/3/22	Tribute to George King	Doug Morris 29/2/9
Military			Patterson	
Automatic Calibration for BC221 / SCR211			Patterson 185AW	32/2/30
Frequency Meters	Philco Corp Paper	30/2/24	Philips	
Admiralty Pattern 66650 Tuner Amp		28/2/26	Philips 930A	31/2/25
Improving ARC5 receivers	Ron Badman	29/3/5	Philips 932A	31/2/26
AEW2 found in California	A Lebermann	29/4/10	Tale of two sets Philips & Mullard BZ356A	31/2/11
AEW2 feedback	A Williams & C Maxwell	30/1/7	Philips 930A receiver (Ham Can)	D Davey 31/2/22
Australian Amenities Radio - the Kriesler 1167 mk 1 & 2	David Crozier	30/2/16	Philips V7A Theatre restoration	33/1/11
WW2 Radar set, cabin & equipment		33/1/8	Pictures	
Converting the R1155 to civilian use		33/3/24	AK Capacitor works	30/3/16
Notes on the V55R (R1155)		33/3/28	AK Stamping & polishing works	30/3/17
Miscellaneous			Courier factory	30/4/7
Pioneer Science at Piha	Wayne Orchiston	29/2/28	Centre Fold Radios	G Billman & A Smith 30/4/14
Campbell Isd Ionosonde	Pete Ingram	28/1/18	Howard England's garage sale	30/4/22
Skill of Jack of All Trades (Sam Lowe)		28/3/9	Horror picture	Rex Handcock 31/1/7
Australian Collectables - value in Radio		28/3/10	C&B 557HF Polar set in field c1965	31/2/16
Radio Alternators	SK Wallace	29/3/13	Scott Base communications room c1960	31/2/17
Synchronous AM detection		29/3/19	Handee Miniature tube puller	31/2/21
Kurrajong Radio Museum (Oz)	J Whittaker	29/4/9	Philips 930A bases	31/2/28
Change (inflation calculator)	Pete Ingram	30/2/14	ZLW Operator	31/2/29
Super Portable Receivers - space charge		31/3/5	WRENs operating radios	31/3/13
Metric prefixes in electronics	J Walker	31/3/29	Kingsley HRO & 941 SWB side by side	31/4/4
Stromberg Carlson Autograph Model 1135A		32/1/26	Cabinet repairs	Sam Lowe 31/4/14
Making a Gramophone Record	A Hadler	32/3/8	Radio 1936 Ltd assembly lines and test	31/4/22
Another black box to throw time and money into			NZ Broadcast studios: 2YA & 3ZC	33/1/30
Gerry Billman		32/4/18	Chatham Islds Mast Raising c1916	33/2/7
Customised Vintage Radio	P McQuarrie	33/1/24	Auckland Queen St & K Rd corner	33/3/22
7 uses for a Magic Eye	Lamphouse	33/2/18	Poems	
7E5C magic eye from Russia		33/2/20	On Dial Cords	29/1/31
How to build a 2 valved radio - part 1. Cigarette card series.	Neville Gregory	32/2/24	Radioman's Nightmare	29/3/31
AGM restoration competition notes		33/3/11	The Editor's Plight	29/4/32
Unique Creation	Chris Hollis	29/1/10	The Radar Man	31/2/32
Superunit - Hanscom Radio	C Bridgewater	29/1/12	If Santa's whiskers were transistors	31/3/28
Vocaphon Baby - mains crystal set		29/1/22	Equipment	Edgar Albert Guest 32/2/26
Restoring a Moderne C66		29/3/21	Radio I remember	Christine Benson 33/3/32
			Radio Corp	
			Radio Corp model 515	32/3/30

Restoration

Another old radio found Brunswick 51	28/4/9
Airline Movie Dial restoration G Cawood	29/3/4
New Dials for Old Peter Lankshear	30/2/18
Restoring an ARC Victor John Roberts	30/3/28
Tale of a Dial David Searle	30/4/29
Sonanar - Phone Horn Speaker kit FS	30/4/32
Thorny Hedgehog Problem Gerry Billman	31/3/9
Ivalek Crystal Set Restoration C Bowring	31/3/14
Zenette restoration Albert Smith	32/1/16
Stewart Warner Ferrodyne R146X restoration	
Alan Colman	32/1/18
Cleaning Radio Cabinets Robert Lozier	32/2/7
STC Repair (winner AGM 2011 competition)	
Gerry Billman	32/2/14
Northern Electric Model 610 DE 1934	32/4/11
My Restoration Gerry Billman	33/3/4

Service

Handling Semiconductors Cliff Maxwell	28/1/11
Purpose, Function & Value of Components Part 1	
George Newlands	28/1/19
Purpose, Function & Value Pt 2	28/2/21
Servicing Hints Murray Stevenson	28/2/29
Another Regulated Power Supply	28/2/30
A Skyscraper Tale Murray Dick	28/4/27
Q Meter Don Beswick	29/1/18
General Radio Type 805C Signal Generator	29/1/26
Serviceman who tells Murray Dick	29/2/24
Serviceman Who Tells Murray Dick	31/1/28
Serviceman Who Tells Murray Dick	31/3/20
Line of Multiband Receivers - Radio Corp Service	
Sheet No.72 Bruce Churcher	31/3/24
AVO VCM Mk1&2 servicing D Beswick	31/4/18
Serviceman Who Tells Murray Dick	31/4/24
Wind the perfect transformer M Dick	32/1/22
TF995 Smokie Don Beswick	32/3/6
Autocrat TRP-1	32/4/8
Columbus 65 from Radio Corp Churcher	32/4/22
Electronic Vibrator Project P McQuarrie	33/2/14
More Elaborate Power Supply D Beswick	28/3/12
Radio Repair Cradle David Fahy	28/3/18
Useful Hints from Sylvania R Motion	28/3/26
My Start in Transformers Bill Farmer	28/4/5
Valve Competition with Semiconductors	29/1/15
Unusual Philips Fault Don Beswick	29/3/25
Whisker failures	29/4/28
Instability in receivers - 6BA6 tube fault	30/3/15
Notes on Bakelite Polishing P Taylor	30/4/14
Service "Whippany Effect" in valves	31/1/30
Quad 33 preamp fault Don Beswick	31/2/6
Clipper Tale EZ41 labelled EBC41	31/2/18
AVO Valve Meters mk1 & 2 D Beswick	31/3/16
RCA R-28 repair Albert Smith	31/4/16
Repair rubber drives & idlers	32/2/8
Inductometer Reg Motion	32/2/10
Wind the perfect transformer - part 2	32/2/27
Electrolytic Caps revisited P McQuarrie	32/4/16

Southern

Christchurch News Pete Ingram	28/1/10
Southern Revival Pete Ingram	28/2/31
Tuning-In VRS Christchurch P Ingram	28/3/6
Southern Soundings Pete Ingram	28/4/30
Southern Soundings Pete Ingram	29/2/10
Southern Soundings Pete Ingram	29/3/3
Southern Soundings Pete Ingram	29/4/4
Southern Soundings Pete Ingram	30/1/4
Southern Soundings Pete Ingram	30/2/4
Southern Soundings Pete Ingram	30/3/6
Southern Soundings Pete Ingram	30/4/5
Southern Soundings Pete Ingram	31/1/7
Southern Soundings Pete Ingram	31/2/10
Southern Soundings Pete Ingram	31/3/8
Southern Soundings Pete Ingram	31/4/28
Southern Soundings David Chapple	32/1/4
Southern Comment David Fahy	32/4/6
Southern Soundings	33/2/6

TV

Early TV history in NZ	28/4/14
Analogue TV Rodney Champness	33/1/6
WNTV new master control desk	33/2/17
The other side TV receivers in NZ in 1959	28/4/21
TV Collection reaches record price	31/1/32

Ultimate

Ultimate SG4	30/1/24
Autoportable by Ultimate Ekco NZ Ltd	32/3/21
Story of Ultimate Radio (reprint)	30/4/10
Ultimate's RBP - the hanging horror	28/2/12
Shade of Maroon - Ultimate SG4 similarity	30/1/16
Ultimate SG4 item rerun John Stokes	30/1/18

Viking

Viking Manual Radio Ian Sangster	30/2/31
----------------------------------	---------

VRS

John Collins' Garage Sale	28/2/5
Henderson Transmitting Hall Field Trip	28/2/6
Index Vols 24 - 27	28/1/15
Colin Bowring's Crystal Set C Bowring	28/2/8
HRSA 25th Birthday Jack Whittaker	28/2/11
July Crystal Sets	28/3/16
Crystal Set Competition results	29/2/5
Chch Restoration Results Radiola 20	29/2/11
Crystal Clear - winner 2008 Competition	29/2/12
NZVRS 30 years ago (Original newsletter)	30/1/14
Billings Radiogram for AGM auction	30/2/10
Putting on your own Vintage Radio display	30/3/4
Foundation members NZVRS 1980	30/4/28
Single Valve Radio Set competition results	32/3/9
One valve radio - winner Colin Bowring	32/3/16
Canadian invite to world competition	32/4/10
Wellington Group update	33/2/7
AGM 2012 Summary	33/3/12

MARKETPLACE

Advertisements for the next bulletin should reach the editor by the 15th of the prior month. These must be neatly hand printed, typed or printed on a separate page, posted to the NZVRS (for details see page 2) or emailed to nzvrs@pl.net

Please - no verbal or telephoned adverts, also don't forget to include some contact details; eg postal, telephone & email if applicable. There is no charge for members' adverts but please remember that the NZVRS is not responsible for any transactions between members.

AVAILABLE

Valve Cartons – plain white flat packs

- Small size \$12 per 100
- GT size \$12 per 100
- Medium size \$15 per 100
- Large size \$25 per 100

NZ & Oz supplied, contact Paul for post and package charges per order.

Contact: Paul Burt, 44 Hastings St West, Christchurch 8023.

Tel: 03 - 960 7158, Mob: 021 0236 1748

Email: dawn.loyd@clear.net.nz

Society Sales:

NZVRS CAPACITORS for sale to NZVRS NZ members only please order via Bryan Powell, 279 Spur Road, RD3, Silverdale, 0993.

Tel: 09 – 44 22 514 or 029 415 5119

Email, . bryan.powell@emc.co.nz

Metal polyester film, axial leads, (µF):

0.001	630 Volts	50 cents each
0.002	630 volts	50 cents each
0.01	630 Volts	50 cents each
0.022	630 Volts	50 cents each
0.033	630 Volts	50 cents each
0.05	630 Volts	50 cents each
0.1	630 Volts	50 cents each
0.22	630 Volts	50 cents each
0.33	630 Volts	50 cents each
1uF	400 Volts	\$1.00 each

Electrolytic capacitors, **polarized**, axial

10µF	450 Volts	\$1.50 each
20µF	450 Volts	\$2.00 each
40µF	450 Volts	\$3.00 each
47uF	450 Volts	\$3.50 each
100µF	450 Volts	\$5.00 each

Lamps 6.3 volts 150 mA (low wattage)

MES & Bayonet 50c each

Please add \$3.50 per order for P&P.



Power plugs (Tilley white plastic type with unprotected brass pins as pictured above) available at 50 cents each plus \$4 post and package per set of 4 (ie \$6 for set of 4, posted to an NZ address).

KTW62 valves (actually VR100 10E/278 or 6U7 GT, CV1100) NOS \$1 each collected club nights or \$15 for packs of 5 P&P inclusive. Quantity limited and may be rationed per member.

Contact the NZVRS Secretary Paul Woodcock, 2 Levy Road, Glen Eden, Auckland 0602.

Email: paul.woodcock@opus.co.nz

All Society Sales cheques to be made out to the "NZVRS" and crossed "Not Transferable" please. Direct banking options are also available to the NZVRS ASB bank account – see bottom of page inside front cover.

AVAILABLE

Free for removal; one Schaul Lorenz radiogram.

Contact; Vivian Hart 69 Godley Rd, Greenbay, Auckland 0604.

Tel: 09 – 827 6227

WANTED:

Valves: PEN383 (Mazda Octal) or 7D6 (equivalent but base change required) U403 (Mazda Octal) or U4020 (equivalent but needs base changed) for use in Murphy U102A AC/DC set.

Contact: Roy Arbman on 027 516 7507 or Email; royarbman@gmail.com

Wanted:

Four only valve shield caps for a National HRO receiver.

Contact: Graeme Lea 116 Cutfield Road New Plymouth. Tel: (06) 758 5344

Email: grarich@paradise.net.nz



Wanted .

Receivers Type **938 SWB** and **941 SWB** and any variants of them, also any coils / coil sets for them. Condition immaterial; "Parts" sets also wanted.

Contact: Phil McGeachie. Tel: 07 862 7088 Email: philmcgeachie@xtra.co.nz

Wanted: TV Parts etc.

a) Following a small cat incident I am looking for a replacement back board for my best TV - a 2007 Mizuda 14 inch TV board and microprocessor needed urgently or complete set. Going order not essential.

b) Also ULTA lead for 26 inch Bell TV 1982

c) Board for 14 inch 1990-5 Philips set.

Contact: Richard Webb Tel: 09-275 6381

PO Box 59-108 Mangere Bridge, AK 2151

Wanted

Wanted 2x knobs as per picture for Philco model 730 (c1948 ?)

Knobs are approx 25mm in diameter.



Contact: Roy Arbman

Phone 06 835 7057 or 0275 167 507

Email; royarbman@gmail.com

AUCTION

An auction organised by the NZVRS Taranaki Group of Tarry Martin's radio collection is to be held at his home, 1778 Mountain Road, Inglewood on Saturday, 9th February 2013 starting at 11.00am with viewing from 9.00am.

For more details see the February Calendar www.nzvrs.pl.net/aaa/calendar or contact Graeme Lea tel: 06-758 5344

Info Wanted:

Recently I bought a "new" Collaro tape deck on Trade Me. It's the deck only so I was wondering if anyone had a copy of a circuit diagram of the electronics please? & would anyone have the bias oscillator coil for sale? Or if not the coil, the winding details per chance? Am happy to pay any & all reasonable cost.

Contact: John Roberts

Email: Paradise@paradise.net.nz

Mob: 027-578-8015.

Available For Sale.

AVO "Wide Range" signal generator. Covers 50 kHz to 80 MHz Hz in five bands, plus 400 Hz AF signal. Overall good condition. Contact John for more info and to make a realistic offer.

Contact John Walker ZL3IB

PO Box 1733, Christchurch 8140

Tel: 03-3489 084

Email john.zl3ib@ihug.co.nz



AVO Wide Range Generator (picture above from the Web to give an indication of the style rather than representing John's for sale item)



Roy Arbman is seeking assistance in identifying this rather unusual Gulbransen set above.

Contact: Roy Arbman, Phone 06 835 7057 or 0275 167 507, Email; royarbman@gmail.com