

MARKETPLACE

Advertisements for the next issue must reach the Editor by the 15th July 1996. Ads should be either hand printed or typed on a separate page. Note: no verbal or phone ads will be accepted. Remember to include your name, address and phone number. There is no charge for ads but the NZVRS is not responsible for transactions between members. Address ads to; Ian Sangster, 75 Anawhata Road Piha R.D.1. New Lynn, 1250. New Zealand

AVAILABLE

I have reluctantly decided to to dispose of all of my collection of 118 vintage radios as one lot. No single items. I can be contacted in the early evenings at 07-871-0767.
Harold Ault. c/o Postal Services Kawhia.

Vintage radio books. *Radio Troubleshooter's Handbook* 3rd edition (1943) by A. Giradi. *Perpetual Trouble Shooters Manual* vol. 1 (1931) by John F. Rider. *Radio Servicing* (1938) (ICS Correspondence School's practical radio servicing course) Offers to John R.L. Walker, ZL3IB, 19 Athol Terrace Christchurch 4. Ph/fax 03-3489084.

Restored chassis and hanging speaker for an Atwater Kent 60 console (no stepdown transformer). Prefer an appropriate exchange but cash offers considered. Dave McLaren, address in want ads.

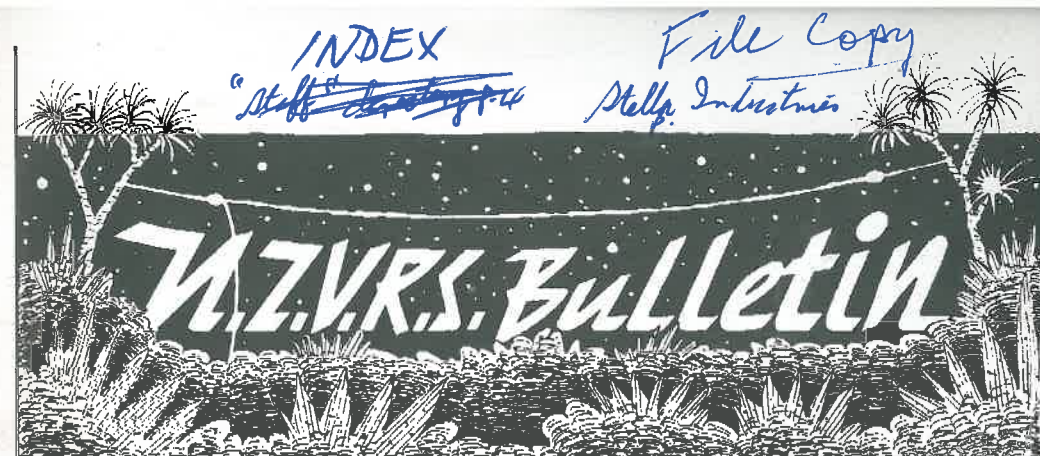
Cromwell 1932 5 valve mantel. Philips 470-38 bakelite round gold dial mantel (restored). Philette 1947 white and maroon. Champion 1936 3 band upright mantel (Gilfillan) restored. Stewart Warner 1936 8 valve with magic eye R146X, restored. For sale or trade Grahame Lindsey, address in want ads.

Three old microphones. Arion DM1300 dynamic, goes ok. No name bullet-shaped, intermittent could be a crystal. Philips EL3757 stereo type, one mic going. \$50 lot.
Bill Lambie 12 Foster St. Avalon.

The group of unusual Bell Colts featured in the May 1993 *Bulletin*. What offers for for the set of three in good order and condition?
Peter Lankshear, 292 Racecourse Rd. Invercargill, Ph.03-217-5515

Radios: Atlas round dial tombstone, going-rough cabinet. Ultimate BCU, oval dial tombstone-going. **Chassis:** Ultimate ACU 1936-going. Philips 351A 1937 see *Golden Age* p.56. Columbus 166R, going. Rogers 66P32 (Canadian) 1935 round dial 3 wave going. Oxford by NZ Express Co. 1935 round dial. **Cabinets:** Stella round dial tombstone. Courtenay 75 good condition. **Speakers:** Dynamic 5" to 12" \$15 to \$30. Permug 5" to 12" \$2 to \$10. **Valves:** Good tested used valves 1930-1960. 2000 available, some new. Octals, 4, 5, 6, 7 pin, side contact, rectifiers, battery types and european from 50c each. e.g. 5Y3 \$2, 58 \$3, 6V6 \$2, 27 \$10 etc. There is a mixture of popular and obscure types. Peter Fleury, 8 Braeburn St. Dunedin. Ph.03-4543970.

Replica Atwater Kent 165 grille fretwork. \$45 in N.Z. plus P&P. Bob Cook ph.09-6266241.

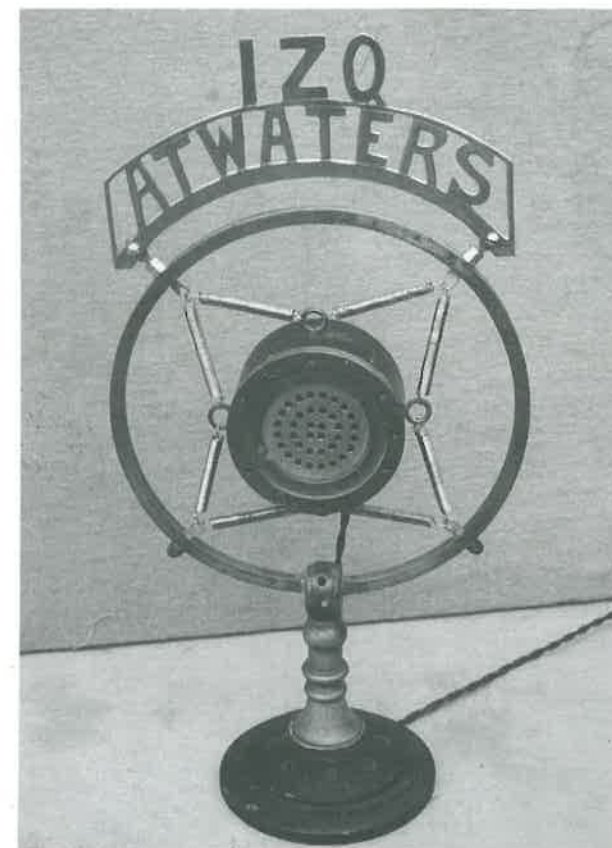


NEW ZEALAND VINTAGE RADIO SOCIETY

Vol.17 No.1

Contains Bulletin Index

May 1996



The story of 12Q (See p.4)

NEW ZEALAND VINTAGE RADIO SOCIETY

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

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7 Danbury Drive

Torbay Auckland 1310

Phone 09-4738388

TREASURER & MEMBERSHIP SECRETARY:

Bryan Marsh 20 Rimu Road

Mangere Bridge Auckland 1701.

Phone 09-6367712

MEETINGS: Regular Auckland of the NZVRS are held on the third Monday of each month at 7.30pm.

VENUE: Meeting room of the Dominion Road Methodist Church (at the rear of the Church) 426 Dominion Road Mt Eden.

AUCTION SALES of vintage items are held quarterly in the months of March, June, September and December at that month's club meeting.

AUCKLAND MEETINGS CALENDAR AND SECRETARY'S DIARY

May 20th Bryan Marsh's Sth Island sojourn.

June 17th. Auction sale.

July 15th Rest of Malabar 3000kw arc slide show.

WELLINGTON AREA MEETINGS

Monthly meeting are held, typically at the Tireti Hall, Te Pene Ave. Titahi Bay from 1pm on the second Sunday of every month. For further details contact Bob Hatton at 40 Rose St. Wadestown. Phone 04-4728788.

CHRISTCHURCH AREA Contact

Russ McKee at 39 Halliwell Ave

Christchurch for meeting details Ph.03-3525778

THE NZVRS BULLETIN is

published quarterly in the months of February, May, August and November. Contributions from members are always welcome and should be sent to the Editor.

Opinions expressed by writers are not necessarily those of the society.

BULLETIN EDITOR

Ian Sangster. 75 Anawhata Rd.

Piha R.D.1. New Lynn 1250

FOUNDING EDITOR

John Stokes 281C Hillsborough Rd. Mt. Roskill Auckland 1004.

BACK NUMBERS OF THE

NZVRS BULLETIN; Most issues are still available, though some of the earlier issues are now out of print. Price is \$1 each for numbers up to volume 10 and \$2 for issues from volume 10 onwards. Postage is extra. Cheques to be made out to NZVRS. Order from John Stokes at the above address.

NZVRS LIBRARY; Members are

reminded that our NZVRS library contains a good selection of books plus magazines and newsletters of several overseas societies. A list of publications is available from our librarian: Clarry Schollum 34 Pentland Ave. Mt. Eden Auckland. Phone 09-6307011.

WAIKATO AREA MEETINGS

are held regularly, contact Murray Hall 802 Rolleston St. Thames. Ph. 07-8688804. Next meeting at Chris Hollis' 13A Princes St. Cambridge 1.30pm 11 June.

EDITORIAL

I recently was shown the antique radio pages on friend's computer connected to the Internet, I was amazed at the number and variety of the displayed material, I was able to download a front and rear view of an RCA RE73 which was for sale in the USA. Many of the US antique radio societies, the Antique Radio Classified magazine, dealers and collectors have what I understand to be "web sites" to publicise their existence. There has been considerable discussion in the readers' correspondence columns of that magazine on whether the advertisements should be published on the Internet, most readers opted for the conventional postal distribution of the magazine and ads.

Have we as a society reached a level where we should create and pay for a web site to publicise our existence and the services we offer? What do our readers think?

All is not lost for the printed media though! In New Zealand two collector's trading advertising publications have been recently launched. The first is a free ad subscriber paid newspaper based in Picton called "Collectors Item", it costs \$36 a year to subscribe, write to Freepost 63715 Private bag Picton. This paper will also list museums and collections, clubs and societies and upcoming events. The second is a glossy magazine in the same format as "Auto Trader" which is sold at booksellers. I believe that there may another glossy magazine as well.

In comparison our NZVRS Bulletin and the Wellington Group Newsletter which would cost \$30 in total (if you subscribed to both) look good value, our main problem is the lack of response to ads. If readers consider the content of Peter Lankshear's article on disposal of their collections, maybe that will change.

[L.H.S.]

RADIO RAMBLER

In recent months I have travelled around New Zealand, seen many fine collections, and experienced great hospitality. The scope and variety of material out there is always interesting.

I have a rack mounted communication receiver which has octal valves and a separate power supply, it has a large round brass bacon-slicer dial with three bands from 550kHz to 13mHz. The control identifications on the front panel are individual engraved plates. The most interesting part of this receiver is that it has a sliding coil box as used in some National receivers as a means of bandswitching. From the inquiries I have made to this point I believe it to be made by Sheffield in Auckland during WWII. Some of these receivers were installed in the E&W school at Wigram during WWII. So far Alf Veart and Des Wright recall these receivers, can anyone else supply some more detail or a circuit. ?

Ray Kelly has sent us the 35mm slide package about the Malabar 3000kW arc transmitter and mountain suspended antenna developed and installed in Indonesia during 1917-1927. We are planning to transfer it to video for distribution up and down the country.

Editor

HELLO, HELLO 1ZQ AUCKLAND CALLING

by John W. Stokes

Once upon a time, on a long ago Sunday afternoon, whilst "combing the ether" on the off chance of picking up something before 1YA came on the air at 3PM, my patience was rewarded by the sound of music. To this day I remember the words of the song ---- "In Eleven More Months and Ten more days I'll be out of the Calaboose". Then came an announcement -- "Hullo, Hullo 1ZQ Auckland calling, 1ZQ broadcasting from Keith's Radio Shack, Auckland. Now, according to the 1931 *N.Z. Radio Guide and Call Book*, 1ZQ was not due on the air until 4PM, yet here he was well ahead of schedule; later I found out that stations sometimes did this for the purpose of testing. Well, I didn't know who 1ZQ was, and at the time was not particularly interested in finding out and not until over 30 years had elapsed did Mr Keith's activities become a source of interest. By this time, two things had happened, 1ZQ was long gone and with the passage of time 'Vintage Radio' was becoming an established interest, and it was in this connection that I first met up with Roy Keith

This story commences in the little country town of Hawera, back in 1922. At that time Leonard Roy Elphinstone Keith was eking out a precarious living with the help of his widowed mother. It should be mentioned here that due to a severe visual handicap Roy Keith could read or write only with extreme difficulty. He had no sight in one eye and had a severe cast in the other which made it necessary to hold an object a few inches from the end of his nose in order to see it. This made him extremely dependent on his mother, so much so that he would have been unable to carry on without her.

Roy Keith had become interested in wireless at an early age, later claimed to have broadcast music as far back as June 1922. No proof exists to substantiate this claim though it is known that he was the owner of a De Forest type OT3 Radiophone, a midget radio-telephone transmitter, as well as a Radio-Craft (De Forest) type D-6 regenerative receiver, both of which were on sale in N.Z. in 1922. For the claimed 1922 broadcast Roy Keith used the callsign 2CW, which he had invented himself. By 1924, it is known that he was using another self-allotted callsign, 2RK, following a common procedure amongst amateur transmitters of the day who were operating on temporary permits and using their initials while awaiting the allocation of official callsigns.

By January 1925, however, Roy Keith had obtained a Grade II transmitting and receiving station license with the callsign 2BZ. At this time Grade II licensees were limited to an output of 5 watts and had to share a common wavelength of 140 metres. In October 1925 a move was made to Auckland where the ham callsign Z1AL was issued for use at his home in Gordon Rd, Mt Albert. Apparently some broadcasting was done from this address but no details are available. Following the introduction of 'Y' class broadcast station licenses early in 1926, Roy Keith was allocated 1YD, but in August 1926 this was changed to 1YQ at his request to avoid confusion with a similar sounding callsign of another station, 1YB. A little later on, the P&T Dept required all 'Y' class licensees to change their prefixes to 'Z', resulting in 1YQ becoming 1ZQ, a call which remained unchanged during the remainder of the period the station was on the air. The last few years of 1ZQ's operation were marked by a series of conflicts with the Post & Telegraph Department, mostly concerned with breaking of the regulations on the

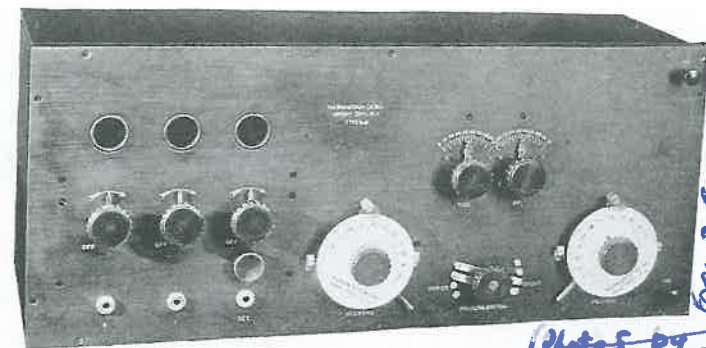
prohibition of advertising. Roy Keith, in common with other 'B' Class station owners throughout the country, was having the greatest difficulty in keeping afloat, being dependent on his small radio shop to provide all operating costs; on more than one occasion he had been put off the air for weeks at a time as 'punishment' for advertising.

In an attempt to obtain finance for running the station, an arrangement was entered into with Atwaters Piano Co whereby they would take over the name 1ZQ which could be used in conjunction with the company's name in the form of an announcement thus providing a very limited (though legal) amount of advertising. In March 1932 the station was relocated on the first floor of Atwaters building in Civic House with the aerial strung up to one side of the Civic Theatre. This arrangement continued until July 7, 1932 when a disagreement arose which resulted in the whole plant being moved to the premises of Howies Ltd, a gramophone dealer in Karangahape Rd. The station reopened at this new address and continued operation until April, 1933 when, following a warning for a breach of the Regulations, the license was permanently revoked by the Postmaster General



Left: Roy Keith

Right: De Forest
OT3
transmitter.
Below: De-Forest
D6
receiver.



(Photos by the author)

Photo - J.W.S. from own collection

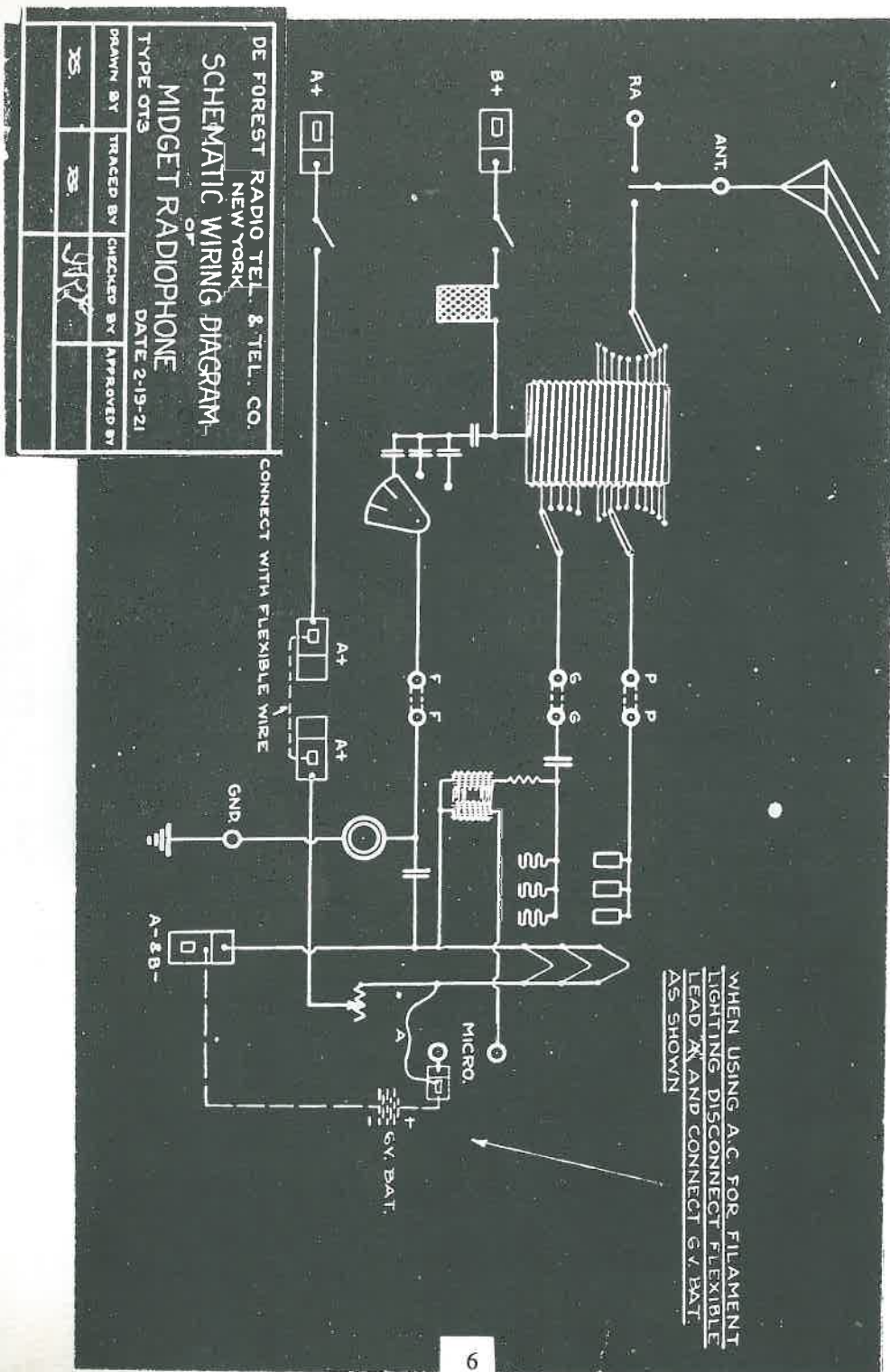
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Some notes on the restoration of a classic.....

The Victor (HMV) RE45 Micro-Synchronous radiogram* of 1929

by Arthur R. Williams

A final check with the AVO 8 as the chassis are installed in the huge cabinet and the power cord plugged in. A gentle hum and a warm glow from the tubes and soon the sound of a local broadcast station from the loud speaker after decades (?) of silence and a 1929 veteran lives again.

The saga began some twenty years ago when a RE45 cabinet was found in a local second hand shop for the sum of \$15. The chassis was not the original (a John's Wellmayde of mid 30's vintage was fitted) and the legs had been sawn off, but I must have thought it had possibilities, so home it went. I did not hold much hope of locating the original "works" so the piece served as a storage cabinet for many years.

About four years ago a Christchurch collector advertised some old radios for disposal, amongst these was a 1929 10 valve HMV R35 chassis. Ian Sangster drew my attention to this even though the model number did not sound right. The R35 is the later screen grid chassis. The chassis turned out to be the correct one (R32). Incidentally, the model number does not appear on the chassis. My console has the number RE45 stamped on a metal plate in the bottom of the cabinet. The chassis was duly bought and sent down in three parcels including the large electro-dynamic speaker. The radio-only version of this set (R32) is shown on p.141 of *Golden Age* mis-labelled as an R35.

Ian Sangster then came to light with the proper HMV turntable and pick-up which made the works complete. The chassis was tidy but needed work. The second audio transformer was open as was the large field coil on the speaker. Part of the large voltage divider resistor was open and the original dual volume control pot had been replaced by a single unit.

The cabinet required some attention. A new set of legs was turned up, Neville Grubner kindly supplying details of the originals, and a new pair of drop handles fitted to the doors. The "doorknobs" fitted having come from the original chassis were returned to its replacement.

Work started on the chassis in dribs and drabs. The filter block was dismantled and rebuilt using 600V non polarised capacitors of the same value as the originals. The second audio frequency transformer was likewise opened up. It was potted in the same can as the output transformer which tested OK. This was subsequently rewound by Bill Farmer. The first audio frequency transformer can showed evidence of overheating but tested OK so was left at this stage. A new dual volume control pot was made up from Colvern wire wound units. Not having any 3800 Ω units, I did have a dual 100k Ω pot and a couple of 5k Ω single pots so it

* USA read "Radio-phonograph"

was easy enough to swap the resistance elements over to make a dual 5k Ω pot. With paper capacitors and open resistors replaced, a new mains switch, new cover made for pilot lamp compartment, the Micro-Synchronous tuning arrangement cleaned and lubricated this left only the speaker field to be tackled. The speaker was easily dismantled and the coil removed. It was found to be green-spotted in several places, dashing any hopes of a quick repair. A mandrel was made up to hold the bobbin and a winding jig rigged up using a variable speed motor. Some 3.25 pounds of .0086 wire later and the job was done and the speaker was reassembled, the bobbin being shellacked this time. The field coil resistance, which came to 2700 Ω is not given in the circuit diagram and is nearly double that of the R35 and Radiola 86 models.

The radio performed well when first switched on though a loud hum was evident. I was not sure how much hum to expect from a set using 26's, but thought it should not be this bad. Adjustment of the hum balance control seemed to have minimal effect, but moving the 240/110V stepdown transformer to the other side of the cabinet made a big improvement. It was too close to the output 45's.

The set dragged in all the locals on the short wire aerial with no sign of oscillation so no attempt has been made at re-alignment or neutralisation. It is one of the best, if not the best performer of its era that I have heard. It remained only to get the record player operational. The large induction disc motor ran well after a clean and lube, but the magnetic pick-up had no output, due mainly to hardened rubber mounts for the stylus armature. Thanks to a tip from Ian King, these were replaced with sections cut from rubber tubing used in old style bicycle valves. I now have record reproduction, though the level is rather low.

TECHNICAL:

The radio itself is an all triode TRF using five type 26 tubes as RF amplifiers, a 27 detector, a 26 as first audio driving two 45's in push-pull output and the familiar 80 as rectifier. The power and audio section is on a separate chassis placed at the bottom of the cabinet.

The Micro-Synchronous tuning itself consists of four separate variable capacitors, each in its own shield can along with its associated RF coil, mounted in a semicircle below the chassis. In the centre is the tuning wheel operated by a lever from the front panel. Motion is transmitted to the capacitors via a series of levers. Around the tuning wheel is a copper band whose circumference is altered by a ring of adjustable screws. Riding on this are four smaller wheels, one for each gang, that impart small changes to the position of the capacitor plates as the set is tuned thus making any corrections to the tracking. Certainly a lot more elaborate than the usual method of providing slots in the rotor plates so that minor tracking discrepancies can be corrected!

The Victor Micro-Synchronous radio probably represents the ultimate in the development of the TRF receiver. It was designed by Victor to compete with the superhet which RCA refused to license to other manufacturers, the design being conceived before RCA's merger with

Victor in 1929. The R32 and RE45 were first offered in June 1929*. Screen grid models using 24A's appeared in 1930, the R35 and RE57. Interestingly there is no indication of manufacturer or country of origin on my RE45 though there appears to have been a paper label inside the cabinet at one time. The HMV dog and gramophone is embossed into the RF chassis cover plate and the "cans" on the AF/power supply chassis. The decal inside the cabinet lid has below it "The Gramophone Company Ltd. Hayes Middlesex".

Thanks go to Ian Sangster for supplying the turntable, Paul Burt for the chassis, Bill Farmer for transformer rewinds and Neville Grubner for details of the legs etc.

References; * Radio Manufacturers of the 1920's Vol. 3 p48. Alan Douglas.

Left: Front view of the RE45 with doors open
Below: Rear view showing the motif pressed into the top plate of the chassis



YOU CAN'T TAKE THEM WITH YOU!

By Peter Lankshear

There is an old saying that ^{there are} two certainties in life - death and taxes. For radio collectors, two more can be added. One is that, barring accidents or deliberate destruction, your radios will outlive you; the other is that you can't take them with you.

Seriously though, I have heard lately, disturbing tales of the experiences that some of our members have had in trying to solve the problems faced by widows of NZVRS members. Many hours have been spent, often by men past their own prime, in attempting, with various degrees of success, to get some semblance of order into collections, to separate the saleable from the junk, to find out what works and what is incomplete and then having to arrange an auction or garage sale. The grieving widow, already embarrassed at having to enlist so much help, later has a poor monetary return on treasures that she had been told were quite valuable. Much of this trouble could have been avoided by a little foresight.

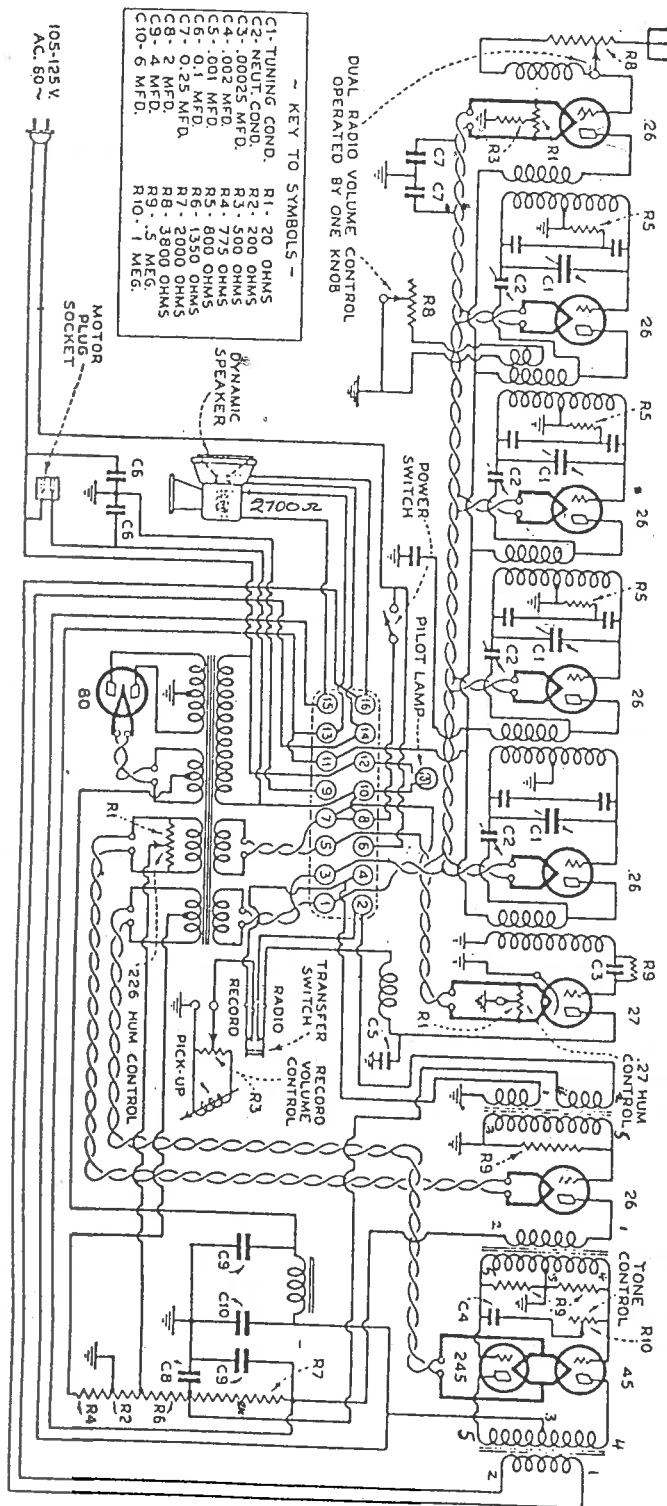
I once boarded with a great aunt, who intrigued me with her meticulous housekeeping that had to be completed each day, regardless. Her philosophy was that she always kept her house and affairs completely up to date, so that if she died during the night, whoever took over would have nothing to clear up! When she did pass on, many years after I left, her executor would have been very grateful for her thoughtfulness. Unfortunately, we cannot all meet her standards, but a bit of planning can be advantageous to all concerned.

The most obvious and in many respects the best action is to dispose of collections while we are still fit and with all our faculties. Each piece of equipment can be dealt with to its best advantage, and because there is some control over its fate, it can be given the best chance of survival for posterity. Of course, there is a hard nosed practical advantage in a leisured and planned disposal as being likely to provide the best monetary return.

An alternative that might seem attractive is to leave your collection to a museum. The idea of achieving some immortality by leaving a permanent display with your name on it may be very tempting. Forget it. Most non specialist museums will decline your offer very smartly. They do not have the room for or the specialist interest in your treasures, and anyway, as more than one member has found, curators regard the restoration that we lavish on our receivers as irreversible vandalism. In this country, about the only museums that would be likely to accept the average collection are the privately owned or technology orientated organisations run by volunteers whose ability and commitment can be variable. Furthermore, the long term viability of some of these groups could, I think, be questionable.

I suspect however that most of us will continue to keep the bulk of our collections, and rightly so, for I can think of nothing worse than a retirement without an interest. Vintage radio is a great hobby and unlike mountaineering or athletics, or even gardening, is not confined to the fit and vigorous. There are some things that should be done though.

VICTOR RADIO MODELS R-32 AND RE-45



First, organise your collection. Most items can be put into one of about four categories. Foremost would be the sets in as near original and prime condition as possible. These are obviously the most important and will present the fewest problems. Then there is the pile that we all have, of sets that are awaiting restoration, and, thirdly, there will be the inevitable collection of incomplete or damaged sets that clutter up the workshop as a source of spares. Finally there will be boxes of valves and components.

Identify those sets in the first category some manner. Many enthusiasts have a "Brag" album of photos of their pet collectibles that could double as a catalogue. But append helpful information, and provide some idea of intrinsic value. This can be very important, because superficial appearance is not always a good guide. To take one example; a Bell Colt in prime condition is not worth a fraction of what a AWA Radiolette with a less than pristine case would fetch, but would the uninitiated trustee of your estate know that? Remember that what is obvious to you may not be apparent to others. Remember too that in the event of a disaster, a record of this nature is important your insurance company.

Keep "unfinished symphonies" to a minimum. We all have them, - sets that we have dismantled and awaiting some vital part or an inspiration on our part, or are in the too hard basket, with knobs and chassis screws in a tin in one place, the cabinet in another and the chassis under the bench. Situations like this can be real time wasters for the sorting crew, so try and finish off a job before commencing the next one.

Label sets that are in category B. Tie a tag to the power cord, identifying make and model, and a brief note about the set's condition. This detail alone will be of considerable help to the salvage crew.

Look critically at the pile of junked sets. Many rusty chassis are beyond restoration, and cabinets that are a borer benefit can be a source of infection. Send them all to the tip after salvaging the useful bits. Your workshop will be much more tidy and those who come to clean up after you will be grateful.

Sort your spare valves out. Check them and unless they are of historic value, throw out the duds. Then group the serviceable remainder into some sort of categories and label their containers; e.g. 2.5 volt R.F. or Octal Rectifiers.

Finally, if you have any special instructions about your collection or even individual sets, now is the time to record them. It's called getting your affairs in order and it is never too soon!

Change of Address

Bill and Kitty Farmer have moved across Auckland, their new address is: 43 Kay Drive Blockhouse Bay. Ph.09-6270017. We wish them well in their new residence, they join two other NZVRS members in Kay Drive Barry Williams and Bob Roberts.

WANTED

A Colt valve radio, in good condition with circuit. D.Klarich 7 Siesta St. Holden Hill S.A. 5088 Australia. Phone a/h 08-2610489

Five only open top Zenith valve shields to suit c.1937 12 valve set. Graeme Lea 73 Wallace Place New Plymouth. Ph. 06-7585344.

Service manual for Sony Micro TV 5-303E and channel knob for same. Two audio transformers Gecophone BC725 or one Silver Marshall 240, even if open circuit to help complete the restoration of a Wisemans Courier 4. For WS19, two multi-pin connectors, cables, VHF tuner and one handle. For Crosley 41S tin box, need lid, measures 20.5" x 10.5" with diecast edging plus 3 covers for RF stages. Arthur Williams 26 Centre Street Invercargill. Ph. 03-2168985.

Long-tailed wavechange knob for Stewart-Warner R126 (G.A. p.125). Chassis and speaker for a Radio 5V 1933 (G.A. p.45). Will buy or arrange an appropriate exchange. Dave McLaren 25 Aotea St. Dunedin Ph.03-4550693.

ARC 5 or any other ex-service equipment. AVO valve tester any condition considered. Barry Grumwald RD3 Tokerau Beach Kaitaia. Ph/fax 09-4087235

Cabinet for Bell Colt radio in good condition, any colour. Tim Flack 9 Paulange Place Pakuranga. Auckland, Ph. 09-5763660.

The following valves for my 1931 Climax: 4 volt rectifier DM2? or equivalent, MP Pen, 41 MLF and for

my HMV 462 portable two S21, VS2, HL2 and two PT2. Does anyone have IBM software for circuit diagrams? Chris Hollis 13A Princes St. Cambridge. Ph.07-8276046 collect.

Chassis or following parts for Majestic 160 or 60 approx 1931: interstage transformer, single to p.p. grid, two I.F.'s, volume control 900Ω, aerial trimmer with bracket and three valve sockets for 27 35/51 valves. E.J.(Ned) Matich 38 James Laurie St. Henderson. Ph. 09-8364400.

Majestic 500A 1935 6 valve d/w upright radio, Majestic 570 "Tunostat" or Majestic 20 consolette. Pilot 393B 1936 7 valve a/w console with 3 bars and circle in speaker opening. Any early Pacific radios. Middle oblong (broad/sharp) wooden switch knob for Gulbransen A1 telephone dial, any complete Gulbransen teledial. Grahame Lindsey, 110 Sylvan Ave Northcote. Ph. 09-4192033 or 025-446292.

Philco 16B 11 valve chassis. Kellog "Symphony" horn speaker base. Will buy or swap for items in available list. Peter Fleury address in available ad.

Any information on a L.F. amplifier by Western Electric, Reg. No. 3002. It is a xtal det. variometer tuned with two transformer coupled stages of audio using PM2 valves. Any information would be greatly appreciated. E.O.Martin 32 Frederick St. Lower Hutt. 6009.

Majestic 90, 91 or 71 chassis for 1929 console, ref p.146 *Radio Manufacturers of the 1920's* Bob Roberts 39 Kay Drive Blockhouse Bay Auckland. Ph. 6279595.

Majestic 50, 51 or 52 chassis refer p.165 *More Golden Age*, 50 consolette complete or incomplete or complete set. Any Majestic consoles, chassis, speakers and knobs. RCA 100, 110 and 121 sets and knobs. Atwater Kent sets or parts. I will pay any postal costs. If you are wanting to sell, phone me. Bob Cook 3/475 Blockhouse Bay Rd. Blockhouse Bay Auckland. Ph. 6266241.

Majestic 181 cabinet, see p.104 *Golden Age*, I have early stuff to swap or buy. Brian Lackie, 60 Yellow Rock Rd. Urunga N.S.W. Australia, 2455. Phone 066-556135.

Philips 361A dial scale see p.59 *G.A.*. Two EL3N valves. Cabinet, any colour for Columbus 525A, 1960 model. Des Smith 156 Rangitoto Road Papatoetoe. Ph.2783541.

A telegraph sounder hood and stand. Ian Sangster Ph.09-8149597.

AVAILABLE

Quantity of new "P base" side contact valves, such as EL3N's KK2's etc. for sale. Send us a list of your requirements. I also have a large selection of S/H valves from 807's down. I have not completed an inventory so don't ask for a list of what I have!! Just give us a list of your requirements. Barry Grumwald address in want ads.

New valves, electrolytic, polyester, ceramic and mica capacitors. Used valves, all tested and guaranteed, in cartons. For listing and prices-- S.A.S.E. to Des Wright, 3 Tamatea Drive, Snells Beach 1240.

Eddystone 680X receiver with Eddystone speaker and feet. \$300. Ray

Devereux. Daniels Rd. Kingsdown R.D.1 Timaru.

NEW MEMBERS

M.P.Digby-Smith	Te Kauwhata
D.Ngaru	Christchurch
I.G.Greaves	Napier
N.R.Van Veen	Auckland
D.J.Ellis	Australia
D.B.Palmer	Invercargill
G.A.Jamieson	Blenheim
B.Reyes	Auckland
P.Robinson	Hamilton
G.K.Durfey	U.S.A.
K.B.Sherrard	Auckland
A.J.Airs	Christchurch

TREASURER'S NOTE

A subscription reminder is included with this Bulletin for members who have paid ^{not} at the time of posting. I hope that I have not inconvenienced any members while on holiday for the past six weeks. I just had to have a break, I've been at this "unpaid" job for ten years now! *BBM*

LETTERS TO THE EDITOR

I have just restored a magnetic pickup head for a Brunswick Panatrop C (late 20's). Their bid to fame was that they were the first all electric gramophone marketed, although they did not sound as good as the Re-entrant acoustic gramophone which was marketed by HMV and the Victor Co. when electric recording came out in 1925. A friend of mine from Victoria recently found one missing the complete innards, I was able to give him a complete motor and motor mounting plate, another friend came up with the tone arm minus the head which I had. The usual rubber bushing had gone rock solid and had to be replaced, this particular head used a rectangular piece about 12 x 9 x 3 mm thick. I decided to use a plastic rubber marketed

by Staedtler, type RAso Plastic, this is very pliable and I don't think it will go hard with age. For the bottom section, where it pivots I slipped on a little piece of plastic tubing, this tubing is used in medical pathology machines, and has the ability of never going hard or losing its shape. I actually use it to re gasket gramophone sound boxes, it is soft like rubber, but far better.

If any member is restoring one of these old magnetic heads I would be glad to send them a small piece of this tubing. It is marked Technicon transmission tubing.

Brian Lackie. Address in want ads. Brian has enclosed a small sample of this tubing in his letter to me. Editor.

Referring to the Bell Colt with the p.c. board in an article by Ian Sangster. Some units very similar to this were made by Stella Industries at Kingsland by Charlie Rouse in partnership with Stan Wheatly, they also produced *** radiogram table models, this would be 1956-9 when Bell became Amalgamated Tele Hire. Later in 1959-60 Al Bell produced some colts at Bellevue Apartment's basement in Newmarket. I understand that only one run was produced as Al was not well. I understand there was a s.w. version with permeability tuning. *?*

Eric Caley. Thames Thanks Eric for the info, I think the BF transistors in the p.c.board model would point to a later 60's to 70's manufacture date. Editor

With reference to your Bulletin article on the Austin radio, there was a set of this name made in Christchurch in the mid-30's. The one I saw was an upright mantel model with a fairly large round dial having a warship

see HGA.
depicted in the middle and bearing the name Austin on a gold plate above the dial. It was full of Australian capacitors

ROSS PATON

Des Smith.
Ross, after some 25 years has retired from Philips and is enjoying working at home on his radios. Ross, over the years, has supplied me and many others with Philips circuits, the last two service manuals that I received cost him \$6 to copy at the local chemist. Please recompense Ross if you request any service data, we should not unnecessarily force Ross to return to work in order to pay for our copying requests. Editor.

SOUTH ISLAND RADIO EXHIBITION

We have been sent an attractive poster from John Thompson 32 Trent St. Oamaru. John is organising a Radio Exhibition in Oamaru on Labour weekend 26, 27 and 28th October 9.30am to 5pm at the Scottish Hall, Tyne Street Oamaru.

Oamaru has an area of old stone buildings which are carefully preserved. With such a strong local historical interest it is a fitting venue and I strongly recommend a visit. Support John if you can. His phone number is 03-4345727. Editor.

EXTRAVAGANZA 96

Going to the Olympic Games in Atlanta? Michigan's biggest yearly swap meet and convention in Lansing is on the way. July 12-14. The theme is Grebe, there will be a flea market, auction and social activities. Write to: Suite 100, 3520 Okemos Rd. #6 Okemos, MI 48864 USA.

** Really portable record player with & without radio fabric-covered cabinets*