

VOL 1 NO 1

JUNE 1977

THE GIPPSLAND GATE RADIO CLUB

NEWSLETTER

VK3 BJA



GIPPSLAND GATE RADIO CLUB

POSTAL ADDRESS: P.O. Box 98,
DANDENONG. 3175.

CALLSIGN: VK3BJA

MEETINGS: General Meeting -- Second Friday of each month.
Activities -- Fourth Friday of each month.
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CLUBROOMS: Oakwood Park Scout Hall,
Heyington Crescent,
NOBLE PARK.

(Chr. Titcher Road)

COMMITTEE:

John Watkins	VK3BW	President Equipment Officer Class Co-ordinator
Dave Brain	VK3ADD	Vice President Magazine Editor Publicity Officer
Keith Haslam	VK3NAH	Treasurer
Marj Jeffrey		Secretary
Lionel Curling	VK3NM	QSL Manager
Bill Hollows	VK3AMH	
Alan Hollows	VK3ERN	
Geoff Posner	RO2G	Asst. Equipment & Transmitting Officer

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FROM THE PRESIDENT

One night, just a few short months ago, four or five of us sat around a kitchen table drinking coffee and talking about the need for a radio club in the Wandsworth area.

I reflect these thoughts today as our first magazine is issued and our club is starting to grow into a worthwhile proposition.

But a club will not succeed without support from its members, so, to those we have so far, I say thank you for having faith in our venture (many of you before we had our first meeting) but it's up to you to tell us what you want in the way of activities, lectures or any other ideas.

Our main aim is to provide a place where we can all meet in a social atmosphere to learn and keep 'in touch' with all developments of our hobby 'radio' and also to help those members not yet licenced to obtain there callsign with classes which are now in the process of being organized.

No matter what your interests are in radio, from getting your amateur licence, shortwave listening or CB, the hobby becomes much more enjoyable when you understand a little more than just turning a switch on or off. To those members who are interested in our classes, I would appreciate it if you would tell me so that I may put your name down. Please do it early and don't miss out. Also advise which class of licence you would like to try for, i.e. Novice, Limited or Full Amateur.

73 till next month.

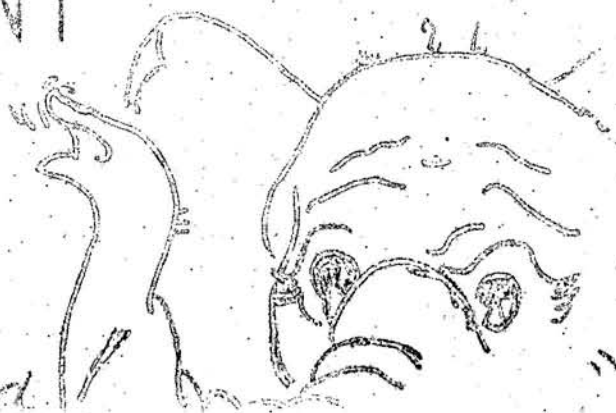
DON'T
MISS IT!

John Watkins VK3NW
PRESIDENT S.G.R.C.

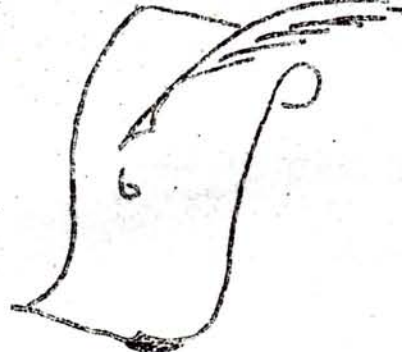
WHITE ELEPHANT
NIGHT.

FRIDAY 24TH. JUNE 8:45 PM

pass the word around



EDITORS NOTEBOOK



Welcome to our first magazine.

I hope the quality is acceptable. For the time being we are using a duplicator but when the membership increases we will look into the proposition of offset printing. Hopefully next month we will be able to provide a professional quality cover with the new magazine name (whatever it may be).

I would like to start several regular features in the magazine: Sidney Edwards will provide a page on shortwave listening including details of shortwave broadcasting stations, ship to shore and other interesting broadcasts. If anyone wishes to contribute to this page they can write to Sid at - 13 Lexton Avenue, Panderong, 3175 or phone him on 791-1524.

Now that the announcement has been made regarding the legalisation of CB, I would like to include a monthly page of CB NEWS. Please let me know if you would be interested in editing such a page.

To make the magazine interesting we must have regular contributions from members. If you have a story to relate or you have built a new gadget, let the rest of us know the details through the magazine. If you wish to get your point across, write a letter to the editor and don't forget if there is something you have to sell or wish to buy, advertising is free to all members. By the way, commercial advertising is available at the rate of \$2 per page, \$1 per half page or 50¢ for less than half a page, if you know of anyone who may be interested.

The magazine will be available at the first Club meeting each month. We have decided against posting it out due to the high postage charges but if you do wish to have it posted and would like to leave a deposit to cover costs, this can be arranged.

I did say at the first general meeting that the club constitution would be included in the magazine but as this would take up about five pages we have decided to make up a separate booklet which will be available to members if and when required.

73 Dave Brain VK3ADD,
Editor,
GIPPSLAND GATE NEWSLETTER.

27th D.F. LOOP. (VKSUR)

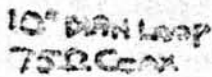


FIG 1

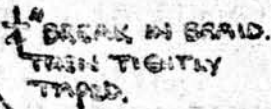


FIG 35

END

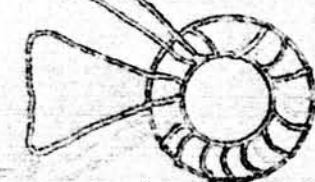
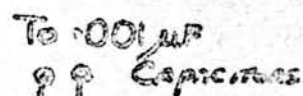
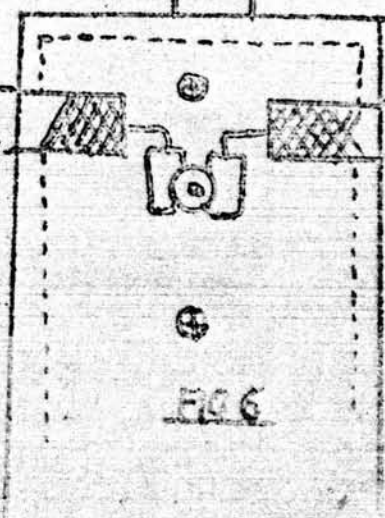


FIG 5



596



50 Ω /
Cable Out

...the club should
endeavour to arrange its own fox hunt activities.
This month we present details of a D.F. loop made for
27 mhz, but easily adaptable to other frequencies.

The loop works very well and is quite easy and inexpensive to build.

First, get a couple of lengths of $\frac{1}{2}$ inch dowel. One will need to include enough length for a handle, and the other long enough to support a 10 inch loop of coax. (see fig.2.)

When the dimensions are correct, drill a hole through the crossover point of the two pieces of dowel, and place a $\frac{1}{2}$ inch diameter bolt through the hole and tighten with a washer and nut.

Drill a hole about 5 mm from the west north and east ends of the support (these are used to fix the loop in position).

Next, make the loop - use a piece of 75 ohm coax formed into a loop (10 inch diam.)

Carefully remove about one inch of the plastic coating, and the outer braid from the top of the loop. (see fig.3.) When this completed, tape up the "wound" tightly with electrical PVC tape.

The amplifier can be built up on a small printed circuit board or made up on veroboard.

CI is a Phillips 3-30 pf beehive trimmer.

The amplifier can be placed in a small plastic box attached to the north south pole (at the position seen in fig 4) so that the coax can come in at the sides (fig 6).

An inexpensive soap container makes a suitable housing.

The output transformer is trifilar wound on a ferrite toroid.

Take three wires together (different colours make it easier to sort out after winding), and wind 8 turns around the toroid, then join one end of of two wires together (fig 5) and attach the rest to where shown on the circuit.

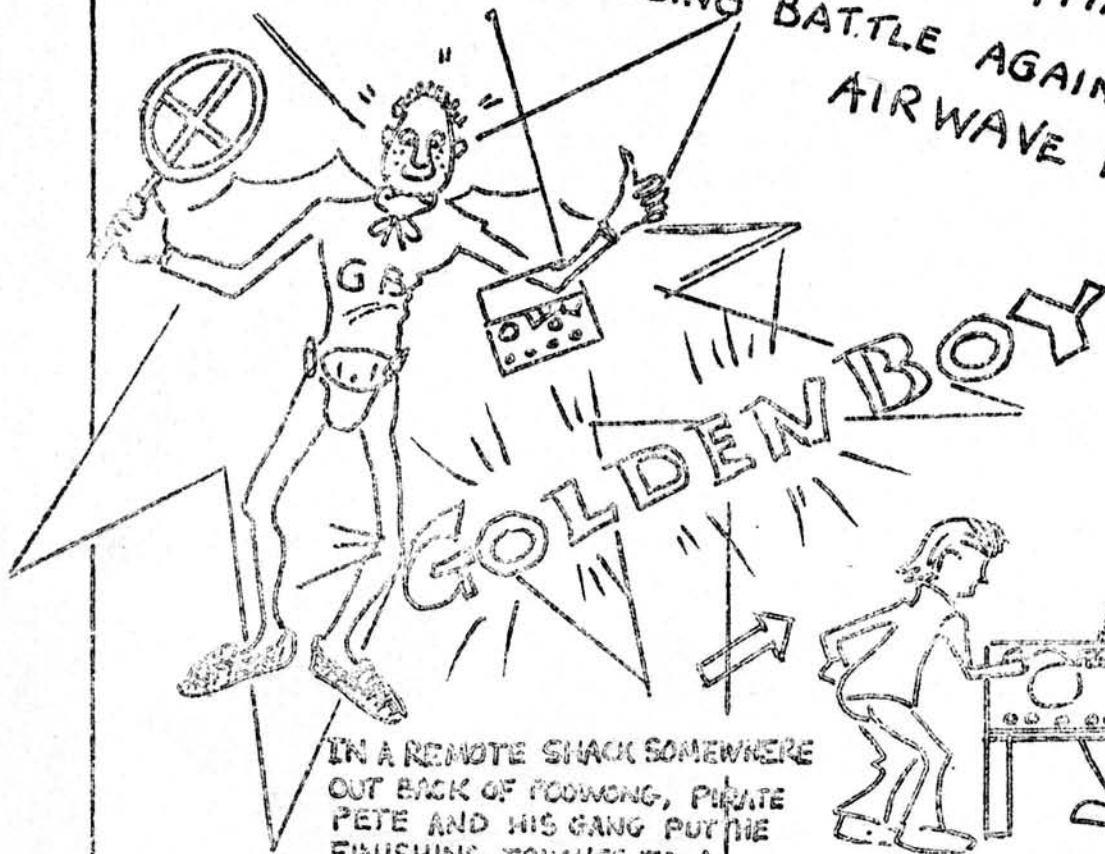
If you find it difficult to obtain the toroid, many old TV tuners gave ferrite cores that are suitable but very small gauge enamelled wire may have to be used to fit 8 turns through the 2 holes available.

We have a limited number available at the club for members.

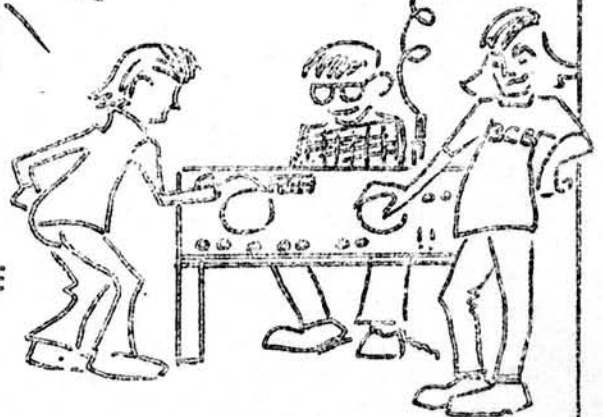
When the circuit is completed and checked, in case of any wiring errors a 9 volt battery may be connected and the output 50 ohm coaxial lead fitted to the receiver.

Adjust CI for best signal level with an insulated adjusting tool.

FASTER THAN A SPEEDING RADIO WAVE!
 MORE POWERFUL THAN A KILOWATT LINEAR!!
 ABLE TO LEAP ANTENNAS WITH A SINGLE BOUND!!!
 YES! IT'S GOLDEN BOY, WHO, SECRETLY DISGUISED
 AS MILD MANNERED RADIO INSPECTOR, HARRY HAM,
 FIGHTS A NEVER ENDING BATTLE AGAINST
 AIR WAVE PIRACY!



IN A REMOTE SHACK SOMEWHERE
 OUT BACK OF FOOWONG, PIRATE
 PETE AND HIS GANG PUT THE
 FINISHING TOUCHES TO A
 500 WATT LINEAR.....



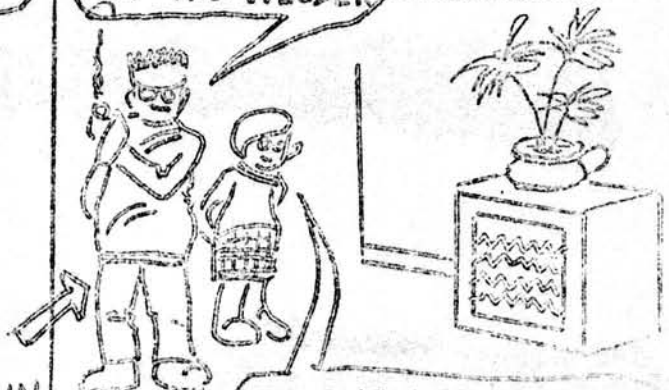
THEY SWITCH ON.....

HAR HAR HAR, CQ DE
 CHANNEL, DOES ANYBODY
 COPY PIRATE PETE - C'MON?



MEANWHILE IN
 NEIGHBOURING
 NAR NAR GOON...

GEEZ BERYL, THE TELLY'S
 GOT THE JITTERS AGAIN -
 OLD CECIL MUST HAVE STARTED
 UP HIS WELDER



THAT SETTLES IT HERE
 I'M CALLING THE RADIO
 INSPECTOR