



THE OFFICIAL JOURNAL OF
THE GIPPSLAND GATE RADIO AND ELECTRONICS CLUB

MAY 1987

GIPPSLAND GATE RADIO AND ELECTRONICS CLUB

COMMITTEE MEMBERS 1986/87

President.....Ian Jackson VK3BUF
Secretary.....Andy Beales VK3KCS
Treasurer.....Albert Hubbard VK3BQO
Member.....Kerry Clayton VK3KFC
Member.....Dave Game VK3BJV

Club Component Officer & Test Equipment Library:
Albert VK3BQO

Publicity Coordinator:
Kerry VK3KFC (059 963580)

Magazine Editorial:
The entire Committee

Club meetings held at the 1st Oakwood Park scout hall in
Heyington Crescent, Noble Park North. Meetings commence on
the Third Friday of each month at 8:00 pm.

Club Station: VK3BJA Located at the scout hall.

Postal address: P.O.Box 98 Dandenong 3175

ALL VISITORS WELCOME

PRESIDENTS REPORT - MAY 1987

We have now reached the end of the Club fiscal year, and indeed the end of a decade in the history of the GGRC/GGREC. It has been something of an education for all who have joined the group, and although time has seen many members come and go there have always been enough individuals to pursue the hobby of radio and electronics.

We shall not let this occasion go by unnoticed, there are several events sheduled to commemorate the anniversary and have a bit of fun. Some time in the next month we will produce a souvenir copy of the first ever edition of GATEWAY, May 1977.

Since I joined the Club in early 1978 I have seen and learned a lot about soldering, arc welding, water skiing, mountain climbing, typing, rafting, (drinking) talking, pop-riveting, scouting, camping, photocopying and a bit about radio. Most of all I have learned about having a good time with a bunch of friendly people.

I must now retire from the position of president and return to the throng of the geneal membership...which actually means nothing as the education and the entertainment never stops.

I wish the new committee all the best for the future.

Ian Jackson VK3BUF

IT'S UP!!!!!!!!!!

This month the GGREC repeater group has installed the antenna and mast at the intended six metre repeater site on the roof of Telecom house in Dandenong.

The site will provide excellent coverage for all of the eastern and south-eastern suburbs.

The antenna, a J-pole and steel mast towers 12 metres above the roof of the four storey building in the central business district.

The group, thanks to the outstanding efforts of Kerry, VK3KFC is now in possession of some suitable communications equipment. We now have to get it all together and prepare the proposal for the WIA/DDC for approval.

G.G.R.E.C. 10TH ANNIVERSARY!

The GGREC (formerly GGRC) is now
TEN YEARS OLD!

To celebrate this anniversary te
meeting night of Friday the 19th of JUNE
shall be a night to remember.

There will be a special VK3BJA
station operating to commemorate the
event and partying into the small hours
of the morning....

DO NOT MISS THIS NIGHT!!!

WHO WANTS TO GO?

VK5SR

SOUTH EAST RADIO GROUP INC.

23RD ANNUAL AMATEUR RADIO CONVENTION 1987 PROGRAM

SATURDAY, 6TH JUNE, 1987.

	0900 -	Hall opens for the setting up of trade displays
	1300 - 1630	Register at Hall and collect meal tickets.
Event 1.	1430 - 1510	2 Metre Fox Hunt 146.500 MHz.
Event 2.	1520 - 1600	70Cm Fox Hunt 439.000 MHz.
Event 3.	2000 - 2040	2 Metre Night Fox Hunt 146.500 MHz.
Event 4.	2100 - 2115	80 Metre Scramble.

SUNDAY, 7TH JUNE, 1987.

	0800 - 1200	Register at Hall and collect meal tickets.
	0840 - 0910	S.A. Division W.I.A. Broadcast Repeater 6900.
Event 5.	0915 - 0925	15 Metre Scramble. Marshall on 21.150 Mhz.
Event 6.	0930 - 0940	6 and 2 Metre Scramble. Marshall on 52.1 MHz and 144.100 MHz.
Event 7.	0945 - 0955	2 Metre F.M. Scramble. 146.450 MHz., 146.500 MHz and 146.550 MHz. only. Marshall 146.500 MHz.
Event 8.	1000 - 1010	10 Metre Scramble. Marshall 28.450 MHz.
Event 9.	1015 - 1025	40 Metre Scramble. Marshall 7.070 MHz.
Event 10.	1045 - 1145	2 Metre Hidden Transmitter Hunt. (3 Legs) 1st Leg 146.500 MHz, 2nd Leg 146.550 MHz. Hidden Tx. 146.000 MHz and 144.100 MHz.
	1200 - 1300	B. B. Q. LUNCH.
Event 11.	1300 - 1330	Children's Event.
Event 12.	1330 - 1420	70 Cm. Fox Hunt. 439.000 MHz.
Event 13.	1425 - 1505	80 Metre Fox Hunt. 3.585 MHz.
Event 14.	1510 - 1550	2 Metre Fox Hunt. 146.500 MHz.
Event 15.	1555 - 1635	10 Metre Fox Hunt. 28.450 MHz.
Event 16.	1640 -	Judging of Home Brew Competition.
Event 17.	1640 - 1700	2 Metre Sniffer Hunt. 144.000 MHz.
	1700 - 1730	Trophy Presentation.
	1730 -	FAMOUS S.E.R.G. TEA PREPARED BY THE S.E.R.G. LADIES.

SOUTH EAST RADIO GROUP INC.

23rd ANNUAL AMATEUR RADIO CONVENTION 1987.

Registration Form.

Single Ham	@ \$18.00	each.
Ham & XYL	\$26.00
Harmonics (School Age).....	@ \$5.00	each.

Return to:

S.E.R.G.,
P.O. Box 1103,
MOUNT GAMBIER. S.A. 5290.

New law on incorporation will protect your club

On 1 July the Associations Incorporation Act 1981 (Vic) became operative in Victoria. You are probably wondering what that Act has to do with you. If you are a member of a sporting club or a community organisation this Act could have some meaning for you.

First of all, I should say that it was brought in by the Government for a clubs' benefit, not as a means of trying to add more red tape, or to "sting" your club for some extra funds. It could be used to help protect your club or organisation.

This Act provides for the simple and inexpensive incorporation of clubs, so-

cieties and associations. Previously, for a body to become incorporated, it was a time consuming, inconvenient and often inappropriate task, as there were continuing obligations that many times were unsuitable for the purposes of the association.

Now, what are the advantages of becoming in-

corporated? First of all, it might be easier to tackle the question by explaining about an unincorporated body.

A group of people who join together to form an association cannot be treated as a separate legal entity. Therefore, the property of an unincorporated association belongs to its members from time to time and accordingly that property may be owned by entirely different persons at different times.

An incorporated body is a legal entity distinct from its members and therefore is capable of holding property, accepting gifts and being sued. Don't be alarmed about being sued, because there is a protection, as the incorporated body is sued, not the individual committee members, which is legally possible as an unincorporated body.

If this sounds interesting, but confusing, don't despair. The City of Berwick realises the importance of this Act in regard to all of the voluntary organisations, committees and clubs operating in its municipality. For this

reason a seminar has been organised that will explain simply and in more detail about the Act.

Mr Russell Hopper, from the Sports Federation of Victoria, and Mr Geoff Inglis, from Casplan Insurance, have accepted council's invitation to speak at a one-night seminar being held at the Endeavour Hills Community Centre on Wednesday 19 October. Cost for the evening is \$2 a head.

The evening starts at 7.30 pm with Mr Hopper explaining the implications of the new Act. Mr Inglis will follow with more information on public liability insurance. There will be time for questions.

A booklet will be available that has everything regarding the Act in easy to understand language. This booklet will cost \$15, but there is no obligation to buy.

If you are interested in attending this seminar on 19 October from 7.30 - 9 pm, please ring me on 705 5220 and I will send you an enrolment form.

GGREC T-SHIRTS & WINDCHEATERS

The committee is currently organising the purchase of t-shirts and windcheaters with the GGREC logo emblazoned across the front.

They will be available in mixed colours and sizes (upon request) in good quality fabric.

The cost is ten dollars for the T-shirts and sixteen dollars for the windcheaters and for that price members will have the choice of a large central logo or a small breast pocket version.

The precise details of this deal will be thrashed out at the coming general meeting.

Packets all around the country

The Department of Trade and Industry has cleared the establishment of ten experimental amateur radio packet relay stations. These new relay stations extend the distances over which Britain's 57,000 radio amateurs can exchange short duration 'packets' of information. The new packet relay stations use high-technology hardware and software to enable a number of UK radio amateurs to operate on one radio channel. As a result, this type of transmission extends the use of computer technology in r.f. experimentation and leads to increased frequency usage.

Another first which comes with the introduction of the repeaters is the ability to pass communications from relay to relay around the UK. The Radio Society of Great Britain, who have planned a 14 month experiment with the DTI, believes that packet communication will eventually be possible throughout the UK with links via h.f. and satellites to similar national networks in other countries. Within the UK plans are in hand to provide microwave linked packet switching relay stations as a means of handling a greater number of messages. The satellite team at Surrey University plan to use their amateur radio and educational satellite (UOSAT II) to retransmit packets to overseas stations.

The packet system provides the opportunity for UK industry to develop and manufacture digital hardware and software and v.h.f. and microwave hardware. A new type of antenna has already been developed in the UK for packet radio. The availability of relatively cheap and powerful micro-computers can be combined with experimental radio technology thereby encouraging radio amateurs to develop their expertise in the most up-to-date methods of communications.

The Radio Society of Great Britain's packet relay station located at their headquarters in Potters Bar, Herts, was officially switched on by the DTI's Head of Radio Amateur Licensing Section, Barry Maxwell.

FOR SALE

Model 15 Teletype (No keyboard)
Working Order **\$15.00**

Icom IC202S SSB 2 Metre Hand held transceiver. Good Order **\$100.00**

Tandy DX-160 Communications Receiver and Speaker. New Condition. **\$100.00**

PX-80 Parallel Printer (Epson Compatible) suit hobbyist. **\$200.00**

Peach MB6890 Computer system complete with 48K memory, CPM Card, Hitachi composite monitor and Hitachi 51/4" DSDD drives. Excellent value. **\$800.00**

Commodore Amiga Computer complete with 512K Memory, Colour Monitor etc. As new condition with software. **\$1800.00**

2 Megabyte memory expansion to suit Amiga Computer - as new. **\$1500.00**

Taxan TTL Green Monochrome Screen to suit PC Compatible machines with monochrome card. **\$120.00**

Various cards to suit PC Compatibles
Hercules card. **\$150.00**
Multi Functions **\$160.00 & \$120**
Novell Lan Card **\$150.00**
Modem Card **\$100.00**

Sendata 2000 Modem 300 & 1200/75 bauds. **\$150.00**

10 Megabyte Half Height Hard disk drive & controller to suit PC Compatible Machines. Will instal in your machine if necessary. **\$400.00**

Contact Richard VK3DAT
Phone 799-0834
All prices are negotiable for quick sale - moving interstate.

Optical disc hold 2Gbytes

Designated the LaserDrive 1200 and manufactured by Optical Storage International (OSI), a joint venture company of Control Data and Philips, the new random-access, Worm (write once, read many) disc drive provides a storage capacity of 1Gbyte on each side of a 12in diameter removable disc.

Incorporating built-in control electronics with an ISI or SCSI, the LaserDrive 1200 unit includes data buffering, a direct read-during-write facility, error correction and error recovery capabilities for improved system throughput and data integrity, providing an error rate of less than one in 10^{14} , and mean time between failures of 12,000 hours. It features a burst transfer rate of up to 2Mbytes/s and a sustained data rate of 250 Kbytes/s. Available through Sintrom Electronics Ltd, Tel: 0734 875464.

OS-9 on a 68020 computer

Cambridge Micro Computers has introduced the OS-9 operating system as an alternative to Unix on its recently introduced Vitesse Tower 16/32-bit microcomputer. OS-9 has recently been reconfigured for use with the 68000 and 68020 processors used in the Vitesse machine and offers a number of benefits for certain applications. Like Unix, it is a multi-tasking, multi-user operating system, but it is considerably more compact than Unix. Because a fully configured OS-9 system occupies only about 24Kbyte, compared with over 200Kbyte for Unix, it becomes feasible to load it into rom - hence creating a discluss computer system which is highly cost-effective and which is more suitable for applications such as process control and embedded systems. The Vitesse supports both Unix and OS-9 on the 68020 processor. OS-9 is written in assembler language and runs at high speed. It also supports the C language and provides many of the standard features expected from Unix systems. Cambridge Micro Computers Ltd, Tel: 0223 314666

CREDITMONEYCASHDOLLARSBUCKSMOOLABANKNOTESCREDITM
 ONEYCASHDOLLARSBUCKSMOOLABANKNOTESCREDITMONEYCAS
 HDOLLARSBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 SBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 DOOLABANKNOTESCREDITMONEYCASHDOLLAR
 KNOTESCREDITMONEYCASHDOLLAR
 REDITMONEYCASHDOLLAR
 NEYCASHDOLLAR DONT BE EMBARRASSED BY SEEING
 DOLLAR DOLLAR
 BUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 OLABANKNOTESCREDITMONEYCASHDOLLAR
 NOTESCREDITMONEYCASHDOLLAR
 EDITMONEYCASHDOLLAR
 EYCASHDOLLAR OF GATEWAY....
 OLLARSBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 UCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 LABANKNOTESCREDITMONEYCASHDOLLAR
 OTECREDITMONEYCASHDOLLAR
 DITMONEYCASHDOLLAR (YOUR TREASURER) AND PAY YOUR
 YCASHDOLLAR
 LLARSBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 CKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 ABANKNOTESCREDITMONEYCASHDOLLAR
 TESCREDITMONEYCASHDOLLAR
 ITMONEYCASHDOLLAR
 CASHDOLLARSBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLAR
 LARSBUCKSMOOLABANKNOTESCREDITMONEYCASHDOLLARSBUCK
 KSMOOLABANKNOTESCREDITMONEYCASHDOLLARSBUCKSMOOLA
 BANKNOTESCREDITMONEYCASHDOLLARSBUCKSMOOLABANKNOT

FEES ARE NOW DUE

'CURRENTLY UNFINANCIAL'

PRINTED ON YOUR NEXT EDITION

OF GATEWAY....

SEE ALBERT VK3BQO

TEN DOLLARS

THIS FRIDAY NIGHT!