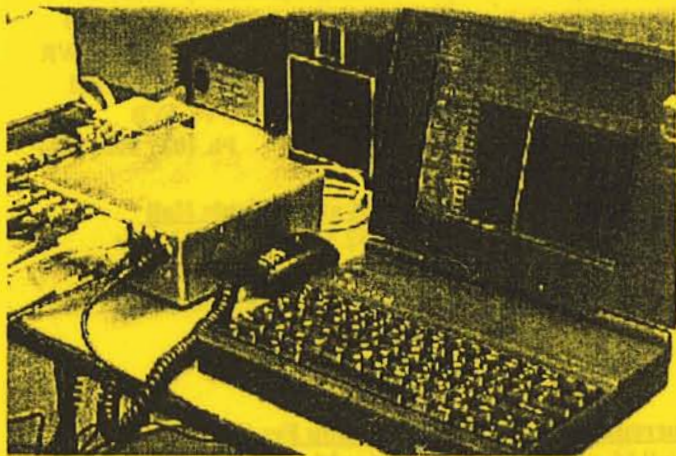


GATEWAY



THE OFFICIAL JOURNAL OF
THE GIPPSLAND GATE RADIO
AND ELECTRONIC CLUB INC

MARCH 2001

Gippsland Gate Radio and Electronics Club Inc.

Incorporation Number A0016893M

Club Meetings are held on the third Friday of each month
at the Cranbourne Girl Guide Hall in Grant Street.

The meetings commence at 8:00 PM.

Visitors are most welcome.

Committee Members 1999/2000

President	Bruno Tonizzo	VK3BFT
Secretary	Andrew Clinkaberry	VK3HFA
Treasurer	Mike Ide	VK3KTO
Committee member	Russell White	VK3MWR
Committee member	Helmut Inhoven	VK3DHI
Magazine Editor & Printing and Dispatch	Phil Pavey	VK3YB Ph. (03) 59957484

Club Station VK3BJA Located at the Guide Hall

Club Repeater VK3RDD Freq. in 52.575, out 53.575 Mhz

Call in Freqs. are HF on 28.325 Mhz, USB

VHF on 146.225 Mhz, FM and UHF on 438.850 Mhz, FM

Visit our internet site at:

<http://avoca.vicnet.net.au/~ggrec/>

Current GGREC Inc Membership Fee Schedule

Full Member \$30.00, Pensioner Member \$15.00

Junior Member \$15.00, Extra Family Member \$10.00

Fees due after each April Annual General Meeting.

**The deadline for submitting Gateway articles is EIGHT
DAYS**

before each General Meeting.

Please direct magazine correspondence to 6 Norford Crt, Cranbourne
Nth 3977

Phone: 59957484 or Email PPAVEY@bigpond.com

All other Club correspondence to **PO BOX 1098 Cranbourne 3977**

Production cost per copy of Gateway : 90cents



Gory Details...

MARCH General Meeting

Our guest speaker for the March 16 General Meeting will be Bruce Gidgell VK3BMK, who will be talking to us about WICEN. Come along to find out all about this community based aspect of Amateur Radio.

RADIO ASTRONOMY FIELD DAY

A radio Astronomy field day is being held on Saturday the 24th of March at 10am. Cnr of Tin Alley and Swanston St, Melbourne.

DECEASED ESTATE / GARAGE SALE

On the 17th of March between 8am and 5:30pm a garage sale is being held at 34 Toolangi Rd, Alphington. Phone 98175354 for further details.

EMDRC WHITE ELEPHANT SALE

The EMDRC White Elephant Sale is on Sunday the 18th of March at the Great Ryrie Primary School. Doors open at 10am and entry cost is \$5 per head. Talk in on the VK3REC Repeater (147.175 +600)

160 What?????

Eric VK3AX will be our guest speaker on the 18th of May. Eric has a wealth of experience operating on the 160 Metre band experimenting with many antenna combinations. This should be a fascinating talk.

Event Queue

DAY	DATE	TIME	DETAILS
Fri	16 th Mar	8pm	General Meeting - WICEN talk
Sat & Sun	17 th & 18 th Mar		<i>John Moyle Field Day contest</i>
Sun	18 th Mar	10am	<i>EMDRC White Elephant</i>
SAT	24th Mar	10am	Radio Astronomy Day
Sat	31 Mar	10am	DF'ing and BBQ
<i>Fri</i>	<i>13th April</i>		<i>Good Friday</i>
Fri	20th April	8pm	AGM
Fri	27th April		Pub Night - Tooradin
Fri	3rd May	8pm	Prac Night
Thur	17th May	Tba	Flight Simulator evening
Fri	18th May	8pm	General Meeting - VK3AX
Sun	3rd Jun	1pm	Museum visit and dinner
<i>Mon</i>	<i>11 June</i>		<i>Queens Birthday Holiday</i>
Sat	1st July	Tba	Midyear Dinner (proposed)
Sat	21 July		GGREC Hamfest
Sat	20th Oct		JOTA

Items in **BOLD** are club events. Items in *Italics* are entered for interest value.

Annual General Meeting

Please bring along a plate of finger food to share after the AGM on Friday 20th of April.

DIRECTION FINDING DAY - 31ST March

This was a great social day last year and shouldn't be missed. If you have any concerns regarding the equipment needed please ask for help. The antennas can be very simple. Last year mine took 5 minutes to build with some scrap wood, 300 ohm ribbon and a staple gun. BBQ will be held afterwards.

DSP-10 Project

The DSP-10 is an amateur-radio 2-meter transceiver that can be built at home. It operates on SSB, FM and CW modes. Features are tailored to operation with weak signals on VHF, UHF and Microwave frequencies.

A three-part article by Bob Larkin, W7PUA, published in QST magazine for September, October and November of 1999 describes the project (reprints are available.) Also, the article is now available in PDF format. See below for details. The transceiver hardware consists of a single PC board for the RF parts and an Analog Devices EZ-KIT Lite demo board for the I-F and audio processing. This is all controlled by any PC through a serial port. All programs are available as 'Free Software.'

Check out the website for the above project at:

<http://www.proaxis.com/~boblark/dsp10.htm> This looks like a very interesting project. Circuit boards are available and I have a reprint of the construction article, which can be downloaded from the net. I have not looked into component costing or availability - but I am intrigued. Could this be a possible club project??? Phil VK3YB

(The DSP10 is shown on the front cover)

1296 MHz EME QSO ACHIEVED ON 5 WATTS EACH END

On 25 February 2001, Ernie W7LHL and Larry W7SZ completed a successful EME contact using power levels of 5 W and backyard TVRO dishes of 3m and 4m (10 and 12 feet) diameter.

They employed a low-rate modulation technology dubbed PUA43, using a 28 character setting and DSP reception. Q5 copy was taking roughly 15 to 30 minutes per message, the operators reported. They exchanged call signs, grid squares, and confirmations both ways.

FLY LINUX AIR. (Russ

UNIX Airways.

Everyone brings one piece of the plane along when they come to the airport.

They all go out on the runway and put the plane together piece by piece,

arguing non-stop about what kind of plane they are supposed to be building.

Air DOS

Everybody pushes the plane until it glides, then they jump on and let the plane coast until it hits the ground again. Then they push again, jump on again, and so on ...

Mac Airlines

All the stewards, captains, baggage handlers, and ticket agents look and act exactly the same. Every time you ask questions about details, you are gently but firmly told that you don't need to know, don't want to know, and everything will be done for you without your ever having to know, so just shut up.

Windows Air.

The terminal is pretty and colourful, with friendly stewards, easy baggage check and boarding, and a smooth take-off. After about 10 minutes

in the air, the plane explodes with no warning whatsoever.

Windows NT Air.

Just like Windows Air, but costs more, uses much bigger planes, and takes

out all the other aircraft within a 4-mile radius when it explodes.

Linux Air.

Disgruntled employees of all the other OS airlines decide to start their own airline. They build the planes, ticket counters, and pave the runways themselves. They charge a small fee to cover the cost of printing the ticket, but you can also download and print the ticket yourself. When you board the plane, you are given a seat, four bolts, a wrench and a copy of the seat_HOWTO.html. Once settled, the fully adjustable seat is very comfortable, the plane leaves and arrives on time without a single problem, the in-flight meal is wonderful. You try to tell customers of the other airlines about the great trip, but all they can say is, "You had to do what with the seat?"

From Maria Harding

Never let it be said that ground crews and engineers lack a sense of humour.

Here are some actual maintenance complaints/problems, generally known as squawks, recently submitted by QANTAS Pilots to maintenance engineers. After attending to the squawks, maintenance crews are required to log the details of the action taken to solve the pilots' squawks.

(P = The problem logged by the pilot.)

(S = The solution and action taken by the engineers.)

P - Left inside main tyre almost needs replacement.

S - Almost replaced left inside main tyre.

P - Test flight OK, except autoland very rough.

S - Autoland not installed on this aircraft.

P - No. 2 propeller seeping prop fluid.

S - Seepage normal, Nos. 1, 3 and 4 propellers lack normal seepage.

P - Something loose in cockpit.

S - Something tightened in cockpit.

P - Dead bugs on windshield.

S - Live bugs on backorder.

P - Autopilot in altitude-hold mode produces a 200-fpm descent.

S - Cannot reproduce problem on ground.

P - Evidence of leak on right main landing gear.

S - Evidence removed.

P - DME volume unbelievably loud.

S - Volume set to more believable level.

P - Friction locks cause throttle levers to stick.

S - That's what they are there for!

P - IFF inoperative.

S - IFF always inoperative in OFF mode.

P - Suspected crack in windscreen.

S - Suspect you're right.

P - Number 3 engine missing.

S - Engine found on right wing after brief search.

P - Aircraft handles funny.

S - Aircraft warned to "Straighten up, Fly Right, and Be Serious."

P - Target radar hums.

S - Reprogrammed target radar with words.

P - Mouse in cockpit.

S - Cat installed.

From The Stamford



Did you know???

According to the RSGB, radio amateurs in India have had their permission to use 50.35 - 50.55MHz extended until the end of July 2001.

Ratio of an igloo's circumference to its diameter:

---- Eskimo Pi

1000 aches:

---- 1 kilohurtz

Basic unit of laryngitis:

---- 1 hoarsepower

1 million microphones:

---- 1 megaphone

Want to a program to emulate a CW keyer??? Check out the following two sites.

<http://webmail.telstra.com/redirect?http://www.qsl.net/dk5ke/pckey1.html>

<http://webmail.telstra.com/redirect?http://www.qsl.net/dk5ke/cwk1.html>

Mako JA3HHT has released his Alpha test versions of his new

SSTV software called MM-SSTV. I have it on my download page if you are interested in having a play :-).

<http://www.btinternet.com/~g3vfp>

APC News, one of Australia's leading amateur radio news services, can now be heard on-line in MP3 format.

Point your browser to <http://www.alphalink.com.au/~parkerp/apcnews.htm> to hear last week's transmission, recorded by Tony VK3JED.

Amateur Radio Australia (inc) has a new web site at

<http://www.amateurradio.org.au> .

The WIA Victorian Division Web page is <http://www.wiavic.org.au/>

FOR SALE

YAESU FT470 2/70 HAND HELD

WITH: SOFT CASE

FNB-14 1000mAh Battery Case

MH12A2B Speakers Mic & Operators Handbook

21 memories and 2VFO's per band.

Adjustable simultaneous reception on both bands

Wide Variety of Scanning Functions

\$325

Peter VK3VB

03 59983533 10:30am – 8:30pm

FOR SALE

IC – Q7A DUAL BAND 2/70 MINI HAND HELD

Receive 30 – 1300 Mhz Transmit 350mW

with Carry Case, HR 46 Speaker / Mic

RCA to BNC Adaptor

With Manual

\$350


Peter VK3VB

03 59983533 10:30am – 8:30pm

G & C COMMUNICATIONS

KENWOOD & YAESU PRODUCTS

PH: 03 59963298 or 0417 387515

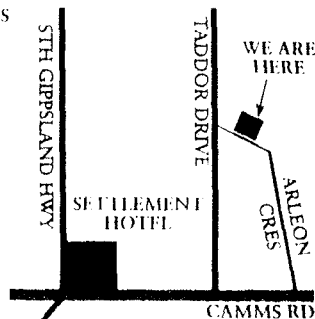
-  BARRETT R.E.D.S. OUTBACK RADIOS
- KENWOOD AUTHORISED DEALER
- COMMERCIAL TWO WAY RADIO SYSTEMS
- HF & UHF CB & MARINE RADIOS
SCANNERS PLUS ALL ACCESSORIES
- SALES INSTALLATION REPAIRS
- **AUTRONICS** AUTHORISED DEALER
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GRAHAM VK3KCS

Gippsland Gate Radio and Electronics Club Inc.

GENERAL MEETING MINUTES

Date : 16/02/2001 **Start :** 2000hrs

Chairman : Bruno VK3BFT **Minute Taker :** Russell VK3MWR

Present : As per attendance sheet **Visitors/Guests :** Mr. Jones Sr VK3DQS

Apologies : Albert VK3BQO, Ian VK3BUF, Peter VK3ZPW

Correspondence received : FAMPARC News, AR, Western & Northern Sub ARC News, MDRC News, Letter from the Guides thanking re : Jota

Correspondence Out : Nil

Treasurers Report : Read by : Mike VK3KTO Moved by : Mike VK3KTO Seconded by : Ivan VK3ARV Carried

Income : \$150.00 **Expenditure :** \$1677.27 **Balance :** \$4729.50

New call signs : Nil

Previous Minutes : Moved : Bruno VK3BFT Seconded : Reg VK3UK Carried

Business Arising :

1. Trash and treasure advanced notice
2. Tara Valley weekend away
3. Working Bee at Bruce VK3ZMR
4. E.M.S.

General Business :

1. Display to be organised at Libraries
2. Thurs May 17th Air Svs. Comm - Tulla Visit
3. Thanks to Hardings from Bruno re. Weekend away Bendigo
4. April is the Annual General meeting
5. Radio Astronomy field day details given
6. Prac night next month is on Fox Hunt antenna kits for those who need one
7. Fox Hunt is 31st March, same general location as last time
8. RT 85's on display tonight that work!
9. Sunday 3rd June is now museum with dinner at Smorgys
10. Next pub night at Tooradin Sports Club on 27th April (Friday)
11. Friday 18th May a talk by Eric Buggie VK3AX on 160 metres propagation

Club Event : As per above

Guest Speaker: Jason Jones gave informative talk on using Internet for repeater access

Next meeting: 16th March 2001 **Meeting Closed :** 2100 hours.

FOR SALE

COMPUTER SYSTEM: AMD 5x86 400Mb HDD 32 Mb RAM, Windows 95. System works best with s'ware that is not CPU intensive. Less monitor & keyboard. Could include AST Vision 4L with int. video fault

VG Condition - \$100 ono

IDE ATAPI CD ROM DRIVE 32X. Excellent Condition. Set as a slave drive. \$20 ono

John L Wickham VK5ZK (03) 59966840 or 0404 283 935

GGREC
PO BOX 1098
CRANBOURNE