

QRM

Amateur
Radio
News



MARCH 1986

Issued by the Tasmanian Division of
the Wireless Institute of Australia

Radiatorial Comment

This month we try a new system for distributing "QRM" which we hope will have the advantage that every member of the W.I.A. will receive his copy as an insert to "Amateur Radio" each month. Other interested subscribers would still need to have individual copies sent by post on request, but it should solve many of our earlier problems for members who miss meetings of the Branches.

There is, however, at least one disadvantage, which is that copy for "QRM" must reach the Editor so that typing, printing, collating and stapling can be completed for posting to "A.R." one week before "A.R." publication date. Information, therefore, cannot be quite as up to date as previously. We shall have to accept that news will be a minimum of ten days old when we read it, and if copy submitted has a time factor involved (e.g. satellite news, meeting dates, WICEN exercises or contest information), then this new delay must be taken into account.

Your Editor is still anxious to design "QRM" around a regular page sequence. We could, for instance, have a VHF Page, an ALARA Page, a Monthly Project Page, a Hints and Tips Column and a Personal Snippets Page. And here's a personal snippet to be going on with: 7JK and 7KJ were having a chat on 2m on the evening of the 18th February when who should pop up but VK7JH testing his newly-built DSE 144MHz rig. Jim was worried that his frequency meter wasn't quite accurate, but he needn't have been concerned - his signal was right on target. So, as Greg said, "Welcome to VHF, Jim". Now there must be others who are embarking on new paths, so let's hear about them, too.

HAMMING IT UP IN ZL.

(Contributed by Dave VK7DS)

Having won a Counties Award with 43 counties, we planned to go and have another close look around the Bay of Plenty, East Coast, North Island.

On 25th. November 1985, there was a good contact with ZL1BYB, Lloyd, in Hamilton. When told we would be there on January 7th., he insisted we call in for an eyeball and a cuppa. Sure enough, he piloted us to a most desirable QTH. In spite of having undergone some rather drastic surgery, he was a very active 86 years old, and had recently rebuilt and re-papered the entire interior of the house. As expected, the "shack" was immaculate, as was the antenna farm. He proudly displays a beaten copper callsign panel, and promised to send me one bearing my call.

After a phone call to another contact, Bert ZL1VI invited us to call in on him at Waihi Beach. He is a very keen rock hound, and when he needs more radio gear, he crushes some more gold-bearing quartz - which is common in that area. In fact, most of the Coromandel Peninsula seems to be built of gold and gem stones. Bert gave me a load to bring home!

When at Gisborne, we traced a house belonging to a cubical quad, but the owner, a Rev., was out. So was the owner of the next one I investigated. A neighbour, however, tracked down the ham, who then invited me to the radio club meeting by phone. Since the meeting was on at the time, I went round and offered the greetings of the W.I.A. "Oh, yes, Australia", says one type, "that's where they bowl underarm!" Australia was just out for the grand total of 70, but they welcomed me to the planning of the Field Day for 8th and 9th February. As an overseas contact would give them a multiplication factor, I promised to try and help, but during the contest, didn't hear a peep! Would you believe it?? Ed, ZL2VI took me home to supper. The neighbours wouldn't let him install his tower from his previous residence, but the new lower one is much sturdier and more manageable single-handed.

They are a great bunch, those Kiwis, AND they have to pass the Morse test at 12 w.p.m.

VK7DS, Dave.

WOULD ALL ASPIRING CONTRIBUTORS TO "QRM" PLEASE NOTE THAT THE EDITOR'S CLOSING DATE FOR THE APRIL EDITION COPY WILL BE

M A R C H 21 st.

Northern Branch, Tasmanian Division, W.I.A.

Tasmanian Amateur Radio Convention 1986 (TARC '86)

TARC '86 NEWS - TARC '86 NEWS - TARC '86 NEWS - TARC '86 NEWS
UPDATE UPDATE UPDATE UPDATE

DATES: 15th & 16 March 1986

VENUE: Norfolk Hall
Australian Maritime College, Newnham, Launceston.

TIMES: 9am to 5pm daily.

DINNER: 7.15pm for 8pm, Saturday 15th March 1986 at the
Australian Maritime College.

DINNER COST: \$22 per person - 4 Course Meal with all the wine one
can drink ! (Orange juice also supplied free). Dance
Music (not too loud ! - VK7Z00).

DINNER TICKETS: Available **Now!!!** from Leon, VK7NHG (Tel: 003 44 7858)
PLEASE book early. (WIA, PO Box 275, Launceston 7250)

ACCOMMODATION: At the Maritime College: \$19 per person twin share,
or \$22 or \$27 per person single. All prices include
Bed & Breakfast. (also available Friday evening).

COLLEGE ACCOMMODATION BOOKINGS: Leon VK7NHG QTHR (Tel: (003) 44 7858).
c/- WIA Northern Branch, PO Box 275, Launceston 7250.

SET UP TIME: Displays for TARC '86 may be set up in "Norfolk Hall"
from Midday Friday onwards. Please contact
Rick VK7ZZ for further details (Tel: (003) 31 9902).
Requests for tables/chairs/breathing space should be
left with Mike VK7MA if possible. Tel: (003) 28 1432.

HOME BREW PRIZE: A prize will be awarded to the best piece of Home
Brew equipment on display at TARC '86 - Contact Mike
VK7ZWW for entry details. (Tel (003) 26 3448)

DISPLAYS: Requests for Power Points or Lighting to Geoff VK7Z00 (Tel: (003) 44 6741).
Requests for aerial erections to Peter VK7ZPN (Tel: (003) 95 1339).

BAR: The Maritime College's Bar will be open on Saturday from 12pm to 2pm, 5pm to 8pm and till midnight at the dinner for beer sales. The Bar will again be open on Sunday 11am to 2pm.

LUNCH: Hot and cold lunches will be available on both days, the average cost being \$2.50

TEAS: Morning & Afternoon Tea will be available on both days whenever required.

HELP: Would anyone wishing to offer their services in any way what-so-ever to make TARC another success please contact Rick VK7ZZ (Tel: 003 31 9902) - Specially interested in hearing from people who might like to present a short lecture on a topic in the Maritime College's Auditorium.

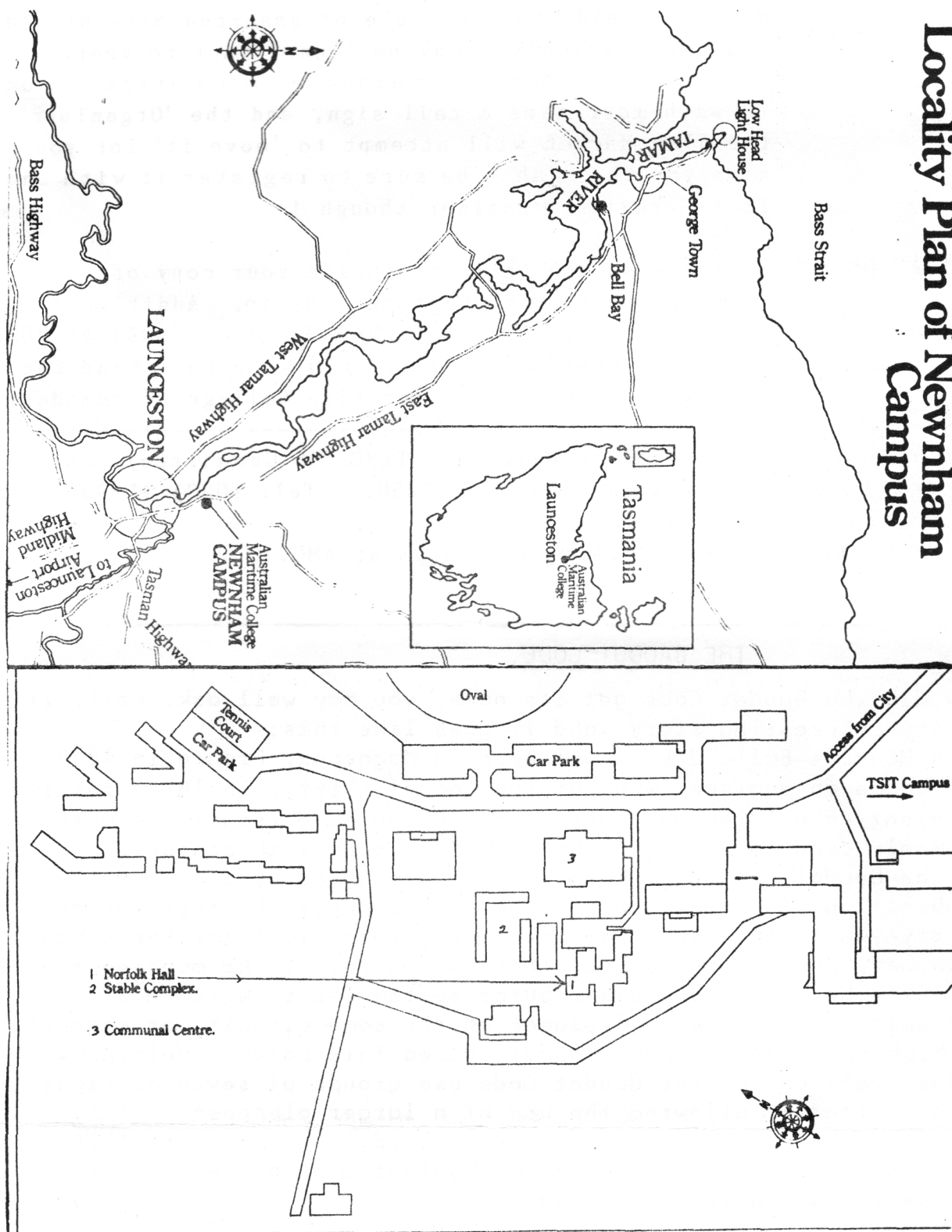
INSURANCE: Insurance cover for equipment at TARC '86 is being arranged.

NON-AMATEUR TARC VISITORS: It is intended to provide a free mini bus trip to a suitable venue on Saturday - ideas include The Gorge, Waverly Woolen Mills etc. To ensure a place on this mini-bus trip please contact Rick VK7ZZ (Tel: (003) 31 9902).

QSL CARDS: Once again, would anyone with exotic QSL cards who would be willing to display them at TARC please let it be known to VK7JO (or VK7ZZ).

YOUR QSL CARD: It is intended that a large board be placed at the entrance to the TARC Display rooms so that all people attending TARC '86 may, if they wish, pin their QSL card on it so that fellow Amateurs will know who is attending TARC.

Locality Plan of Newnham Campus



Newnham Campus Plan.

FLEA MARKET:

In one of the TARC Display rooms there will be an area set aside for the sale of assorted bits of old equipment which you may no longer want to keep. Simply bring your items along, place a price tag on it with your name & call sign, and the 'Organiser' of the Flea Market will attempt to 'move it' for you and give you the cash - Be sure to register it with the Flea Market's Organiser though !

REGISTRATION FORMS: These should be found inside your copy of February's edition of Amateur Radio. Additional forms available from Leon VK7NHG (Tel: (003) 44 7858) This form should be used if you wish to attend the TARC Dinner or require Maritime College Accommodation

TARC '86 News from Rick VK7ZZ, (Chairman TARC '86 Committee)
32 Dandenong Road, Trevallyn, Tasmania 7250. Tel: (003) 31 9902 (home)
or (003) 26 0726 (work).
TARC '86 Committee meets Mondays at 4.30pm at AMC.

THE BAUDOT CODE.

How did the Baudot Code get its name, you may well ask. Well, it's a very interesting story, and it goes like this:
Jean-Maurice-Emile Baudot was born in Magneaux, France in 1845. He became an engineer who, at the age of thirty, in 1874, received a patent on a telegraph code that supplanted Morse as the most commonly used telegraph alphabet of the twentieth century. In the Baudot Code, each letter is represented by a five unit combination of current-on, current-off signals. By this method, thirty-two permutations were provided, sufficient for the Roman alphabet, punctuation signs, and the control of the machine functions. In 1894, he invented a distributor system for simultaneous transmission of several messages on the same circuit, or channel, of high-speed telegraphy. Baudot called this patent "multiplex". Modern versions of the Baudot Code use groups of seven or eight on-off signals, allowing the use of a larger alphabet system. It seems beyond belief that the code used to communicate this interesting story was invented and patented by a Frenchman some 110 years ago. Well done, Baudot.

(from an RTTY broadcast by VK4BEI, provided by Henry VK7HV)

BRANCH NOTICE.

The next meeting of the Northern Branch will be held at 8 p.m. on Friday, 11th. April in Room G25 (Swanson Building) in the Australian Maritime College, Launceston.

Rick VK7ZZ.

New Award from VK5.

The Lower Murray Amateur Radio Club have instituted an Award. Called THE BUNYIP AWARD, interested amateurs must work the Club Station, VK5ALM and five (5) members, or alternatively, seven (7) Club members. To assist you in working for this award, the Club members are listed below:

VK5JP	VK5ABW	VK5BRS	VK5 PAN
VK5UY	VK5AHK	VK5NEB	VK5PGH
VK5YU	VK5AKC	VK5NSI	

Cost of the Award is \$2.00 plus 50c stamp, should be signed by the applicant and forwarded to:

The Awards Manager,
P.O. Box 234,
Murray Bridge, 5253.

TARC '86 - LATE NEWS.

TALK IN:

For the directions to the Australian Maritime College feel free to call the Northern Branch's Club Station VK7NB on VHF Channel 51 or the local UHF Repeater. VHF Repeater 8 may also be used at times for talk ins.

A.G.M.

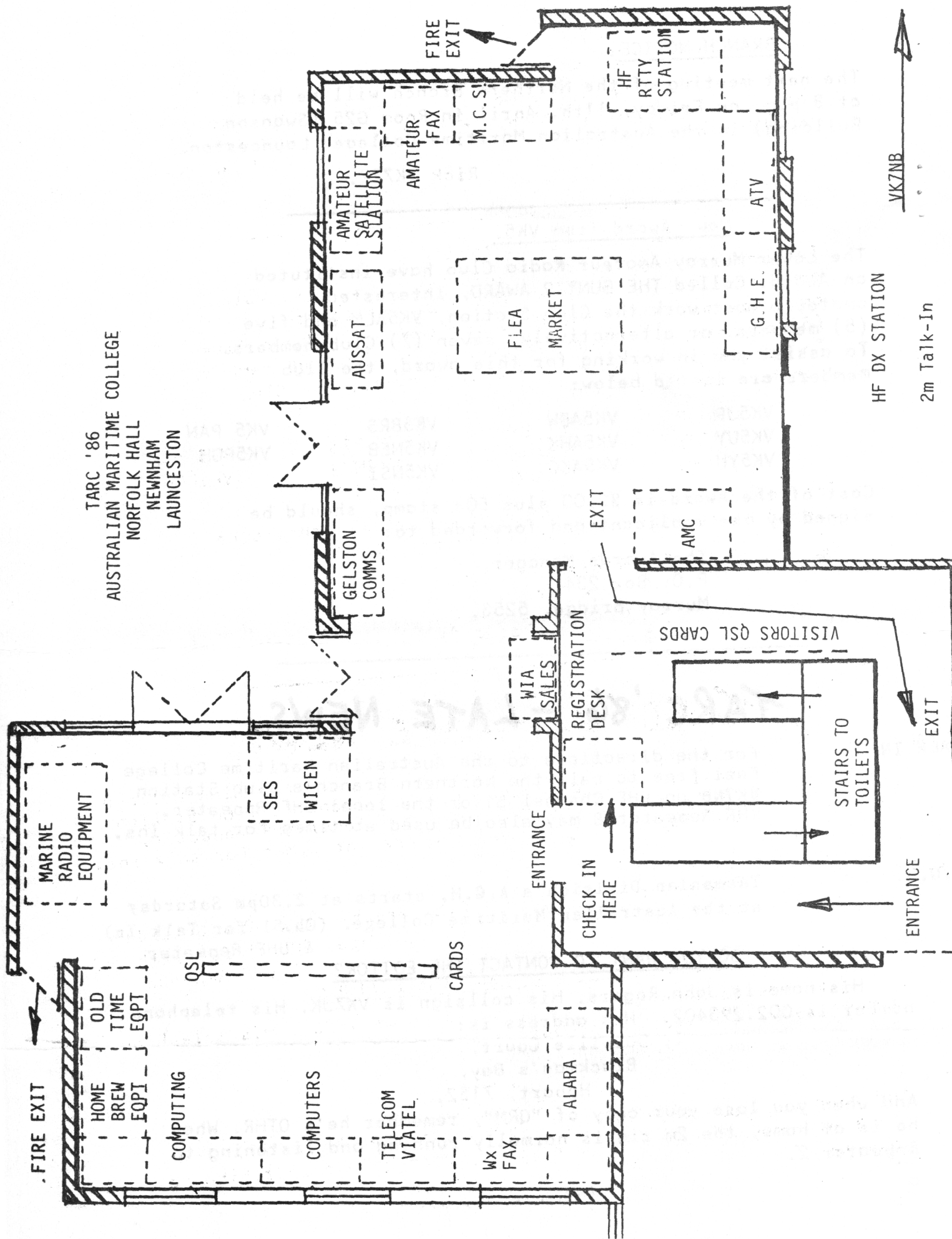
Tasmanian Division's A.G.M. starts at 2.30pm Saturday at the Australian Maritime College. (Ch.51 for Talk In) & UHF Repeater.

SO YOU WANT TO CONTACT THE EDITOR?

His name is John Rogers. His callsign is VK7JK. His telephone number is 002.293402. His address is:

1, Darville Court,
Blackman's Bay,
Hobart, 7152.

And when you lose your copy of "QRM", remember he's QTHR. When he is at home, the 2m rig is normally running and listening to Repeater 2.



A D V E R T I S E M E N T S .

WANTED: YC7B Digital Readout for Yaesu FT.7B.

Reply to: VK7NWR. QTHR. Tel. No. 002.444089.

FOR SALE: Heathkit HW-101 transceiver, complete with CW filter, homebrew power supply and audio filter. A proven performer, already having one DXCC to its credit. \$250.00. Richard Rogers, VK7R0. 002.341155.

FOR SALE: TR2400 Kenwood. Battery pack would be replaced on buyer's request. BC1 12volt Nicad charger for use in car. Mains operated fast charger for TR2400. Offers requested. ALSO 3-el. 6m. BEAM for sale. VK7ZMH. QTHR. Unit 2, 8, Chapel Street, Glenorchy.

SCOUTING ROUND CAMPANIA.

We are reliably informed that on 16th. March 1986, the 1st. Campania Scout Troop will start its operations. The Scout Leader will be none other than our fellow amateur Ian VK7BG. Guess what the Troop's main activity will be? Of course: it won't be long before they have their own Callsign. So, fellows, give an ear to the 1st. Campania enthusiasts, and good luck to Ian in this new venture.

LAND FORCES AMATEUR RADIO GROUP.

Following a series of "on air" discussions, the Land Forces Amateur Radio Group became a reality on 29th. January 1986, when 16 licensed amateur operators met on 80 metres and decided to form the group, adopt a constitution, elect office bearers and committee. To be eligible for membership, it is necessary to be a licensed amateur and to have served in an army. "Army" is defined as an organised force armed for fighting on land. There are no restrictions on the time of service or the nationality of the army or the area in which the service took place. Service in time of peace as well as in war are both acceptable. Application Forms for membership will be available in the near future. The main objects are to promote the fellowship which was engendered during Army service and to provide for members the privileges and benefits usually flowing from the association of people with common interests.

The following were elected: VK1NCO, John (What an appropriate callsign! - Ed.) as PRESIDENT; VK3CQP as VICE-PRESIDENT; The SECRETARY is VK2AKP, Sam; TREASURER is VK3DOV, Murray; and COMMITTEE members are VK7NBF, Bob, VK7AV, Bill and VK2NPJ, Pete. Any enquiries may be directed to any of the above, and anyone interested is invited to join the regular Wednesday night het on 3.595 MHz at 09.30 UTC.

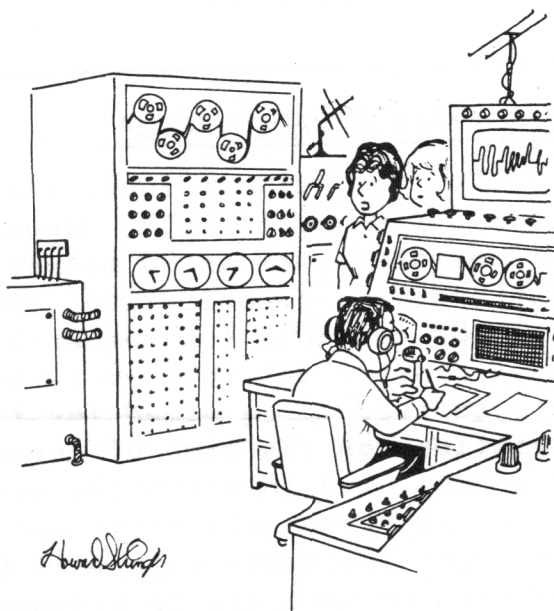
At last the Army has a voice to respond to the Navy and Air Force groups, and it is proposed that members volunteer to act as instructors to Dad's Army.

VK7NBF, Bob.

SOUTHERN BRANCH OFFICERS for 1986/7.

At the Southern Branch A.G.M. held on Wednesday, February 12th., the following officers were elected for the coming year:

President: Russ Pitman, VK7ZRP.
Vice-President: Barry Riseley, VK7RS.
Secretary: Kevan Davies, VK7KV.
Treasurer: Phil Lovett, VK7BZ
Broadcast Officer: Arthur Hinsley, VK7GH.
Membership: Mike Murray VK7ZML
QSL Officer: Sandy Powell, VK7FL
Repeater Co-ordinator: Antony Tulk, VK7ZTA.
Store/Property Officer: Mike Holbrook, VK7ZBW.
WICEN Co-ordinator: Alan Widdowson, VK7CI.



"It started out as a simple listening post.
But that's how Arnold is. . . When he gets
involved in something, he goes all out."

LOW MASS REGULATED DC POWER SUPPLIES

In the PAL-series, KIKUSUI introduces a new era in power supplies by combining linear and switching technologies to produce a low mass and high quality power supply.

HIGH QUALITY

The PAL-series is not 'just' a variable (0 to rated output) switching supply. KIKUSUI have used a switching and series regulator that combine to provide a high performance and highly efficient supply. As these specifications show:

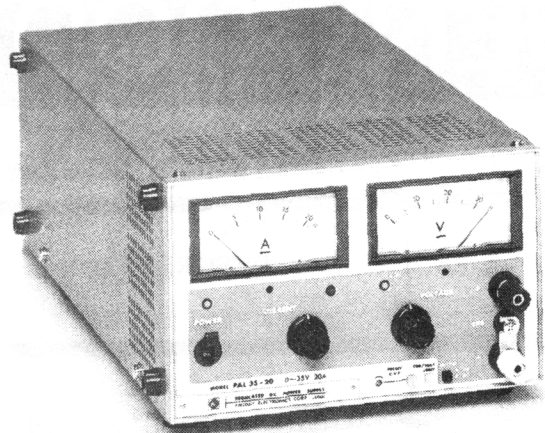
- 50 μ sec transient response (typical)
- 50 ppm/ $^{\circ}$ C constant voltage (typical)
- Lower output impedance in constant voltage mode
- Accurate and stable constant current mode.

LOW MASS

KIKUSUI has revolutionized the common concept that lab supplies are heavy. By using a new technique, the heavy power transformer and choke coil are replaced by much lighter switching circuits. This results in a 50% reduction in mass over the older style linear supply.

LOW NOISE

The extraordinary low noise characteristics achieved by KIKUSUI also allow the PAL series to be used in demanding analog applications — even audio.



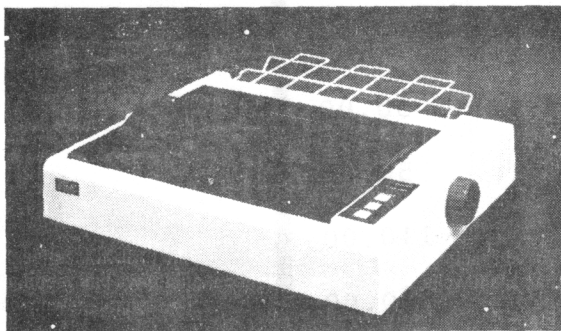
PAL SERIES

MODEL	VOLTAGE	CURRENT	MASS
PAL-10-100P	0-10V	0-100A	26kg
PAL-16-20	0-16	0-20	8.5kg
PAL-16-40	0-16	0-40	11.5kg
PAL-16-60	0-16	0-60	21kg
PAL-20-50	0-20	0-50	21kg
PAL-35-10	0-35	0-10	8.5kg
PAL-35-20	0-35	0-20	11.5kg
PAL-35-30	0-35	0-30	21kg

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MODEL	DESCRIPTION	SUGGESTED RETAIL
		\$
FM-430	FREQUENCY MODULATION OPTION FOR TS-43X/TS-670	88.00
GC-10	GENERAL COVERAGE RECEIVER OPTION FOR TS-670	105.00
HMC-1	HEADSET WITH VOX FOR TR-2600/ 3600	55.00
HS-6	DELUXE LIGHTWEIGHT HEAD PHONES	42.00
HS-7	VERY SMALL EAR PHONES (2)	42.00
KB-1	SPINNER KNOB FOR TS-530/830	27.00
LF-30A	LOW PASS FILTER 1KW RATING HF	68.00
MB-9	MOBILE MOUNT FOR TR-7850/7950 /9130/9500	30.00
MB-10	MOBILE MOUNT FOR TM2570	35.00
MD-100	MOBILE MOUNT FOR TS-120/130/660	50.00
MD-201	MOBILE MOUNT FOR TM-201/401	25.00
MB-430	MOBILE MOUNT FOR TS-43X/670/711/ 811	30.00
MB-4000	MOBILE MOUNT FOR TW-4000	25.00
MC-30S	HAND HELD MOISE CANC. MIC 500 ohms (4P)	50.00
MC-35S	HAND HELD MOISE CANC. MIC 50K ohms (4P)	50.00
MC-40S	HAND HELD SCANNING MIC 500 ohms (6P)	50.00
MC-42S	HAND HELD SCANNING MIC 500 ohms (8P)	50.00
MC-46S	HAND HELD SCANNING DTMF MIC. 500 ohms (6P)	110.00
MC-48S	HAND HELD SCANNING DTMF MIC. 500 ohms (8P)	110.00
MC-50	BASE STATION MIC. 500/50K ohms (4P)	110.00
MC-55/1	MOBILE BOOM MIC SYSTEM 500 ohms (6P)	93.00

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The prices listed are subject to change without notice.