

TASMANIAN AMATEUR RADIO

Registered for Posting
as a Publication
Category B

*Bulletin issued by the North, North West and
Southern Branches of the Wireless Institute
of Australia, Tasmanian Division.*

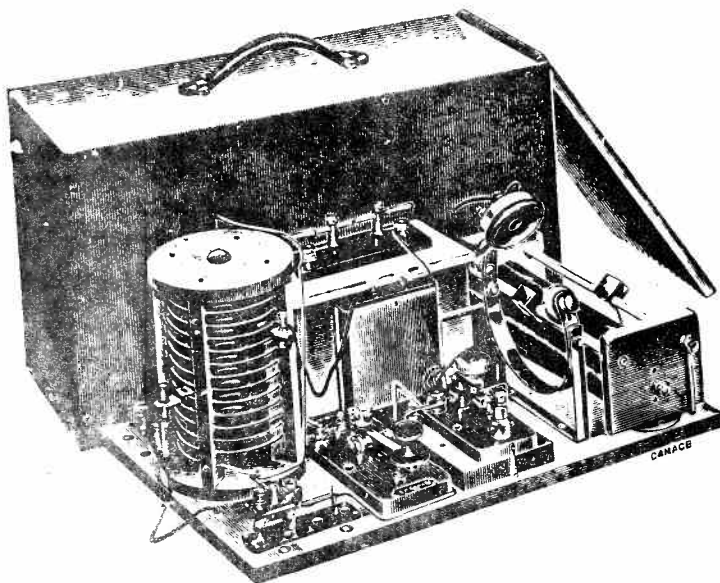


P.O. BOX 275
LAUNCESTON
TAS. - 7250

OCTOBER 1980 VOLUME 10 No. 9

Meetings:- SOUTH 1st., NORTH 10th, NORTHWEST 14th, Council
25th October, 7KK 1.p.m.

Portable Wireless Stations.



Portable Wireless Transmitting and Receiving Station.

Specification.—TRANSMITTING RANGE 10 MILES
Receiving Range up to 800 miles.

TRANSMITTING.—Wireless Coil high tension Condenser with
Terminals mounted on ebonite, Spark Gap mounted on
ebonite, helix with two Clips, Sending Key with 2000
Protection.

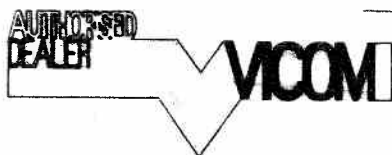
RECEIVING.—Double Slide Tuning Inductance, Crystal Detector,
Blocking Condenser, and 1,000 Ohms Wireless Head Co.

The Apparatus is finished throughout in first-class style, the
woodwork polished Mahogany, Brasswork burnished and
lacquered.

Price £12 10 0

GELSTON COMMUNICATIONS

TWO WAY RADIO SALES & SERVICE

PLESSEY
Electronics40 LAVENDER GROVE
P O Box 1311
Phone 443882 (003)
LAUNCESTON 7250
TAS

CONTACT US FOR YOUR NEXT PURCHASE

LAY-BY accepted FINANCE ARRANGED

PRICE RISE all Icom-equipment will rise by 6% as from this month.
All stock will be sold at original price order now before the increase.

IC701 HF Transceiver \$895.00 Will modify to Novice power if required.

IC22S 2M Transceiver \$285.00

Jaybeam 8 Element Yagis complete with integral balun 50 ohm \$51.00

Ringo-Ranger 6dB gain on 2 Metres \$55.00

IC-HM9 Speaker-Microphone to suit IC2A \$18.50

IC-260 2M Multi mode Mobile Transceiver \$625.00

IC-2A 2M Hand Held \$299.00

All the above Items in stock for immediate delivery.

IC-720 HF all Band Solid State 100W Transceiver \$1299.00 This unit should be available next month.

AVANTI ANTENNAS.

First shipment SOLD out. next ones should be here within three weeks order now to avoid disappointment. See last months QRM for details.

AP.151.G 3dB Gain "ON-GLASS" 2M Antenna \$55.00

AP.450.5G 5DB Gain "On-Glass" 432MHz Antenna \$65.00

SCALAR Antennas.

IN STOCK. 2M 5/8 Aerials 2M 1/4 Whips 6M aerials Coax-Cable
Connectors. Valves_ 6I46B QQE03/I2 6JS6 I2BY7

VHF NOTES.

Once again there is nothing of interest to report.

Congratulations to all the Amateurs that passed the recent AOCPE exam.
The only thing I would like to remind you of that TWO METRES is not only the REPEATER and all its advantages but a full 4 Mhz to use.

Granted the repeater has its place for mobile activity as well as enabling Z calls to communicate with other areas of VK. but dont forget the bottom end 144-146 Mhz is also usable.

With the Summer approaching you will find that VK3 and VK5 REPEATERS will also be accessible don't just press your TX button to see if you are getting in, how about giving your CALL SIGN as well? With our own repeater seven seconds of carrier or GIVE your call sign and the repeater will ident for you. That is all for now hope to have more for you next month.

73

Joe Gelston
VK7JG.

NORTHWEST BRANCH NOTES

Despite a very wet night, there was a good turn-up at the usual monthly meeting, 22 Members and Associates.

MINUTES

of the previous meeting were read and adopted.

CORRESPONDENCE

Inwards. Several letters were read including one from a member of the CB fraternity, who is one of a number of CB'ers now studying for the A.O.C.P. and the N.A.O.C.P. He wrote thanking the North West Branch for allowing their members to take part in the recent RD contest at VK7NW.

A letter was also read from the SUPT. P. & T., stating that three P. & T. Officers will be attending, and amongst other things, will be giving a most instructive workshop. This feature alone, should be worth looking at.

FINANCE

The Treasurer brought the meeting up to date with the Financial situation.

COUNCIL

IVAN VK7XL asked for any details needing Councils attention. A lengthy discussion was held on an important matter.

QSL CARDS

for VK7NW were discussed. Quotes and designs are to be investigated.

TARC.

At a special meeting of Officials on Monday 15th at Club Headquarters at Penguin, many matters were dealt with including allocation of Space. In the "RADIO, THEN" SECTION, you will see RADIOS from 1912 (a SPARK RX) right through to FM STEREO. Patrons may actually listen to a 5 Tube Battery-operated 1924 T.R.F. Radio, using either the original 2,000 OHM Headphones, or a genuine 1924 HORN Speaker. Be prepared for a surprise as regards AUDIO quality.

Also displayed will be one of the very FIRST design of ELECTRO-DYNAMIC SPEAKER. This is 52 years old. Plus a whole lot more.

QSL BURO.

DON VK7 (now awaiting a FULL CALL) advised that NO STAMPS are needed on QSL's within the VK Area. This is due to a very efficient service, headed by CHAS, VK7CH & his Deputies.

J.O.T.A.

Several details were discussed, which would seem that this year's effort will be the best yet. No less than 60 SCOUTS and GUIDES will be at PEYTON PARK in the charge of VINCE VK7VH

Another big group will be located at SISTERS CREEK under the direction of WINSTON VK7EM/T, and his helpers.

Con't...

J.O.T.A. Con't. 3 Sessions on SATURDAY and SUNDAY under the guidance of MRS. THOMAS with the DEVONPORT GROUP of GUIDES and BROWNIES, will be held at the QTH of JIM VK7NOW.

The meeting concluded with Supper, served by the BURNIE members.

More next month. Till Then,

VY 73 Jim.

WANTED TO BUY

1COM 1C60 6 metre FM Transceiver
or similar commercial rig.

Contact. STEFAN VK7ZSB 003 391475

or DAVID VK7ZOT/NAD 002 438736

FOR SALE

YAESU YD 844A Base Microphone, as new, \$30.00
Gemtronics SSB 11 metre Mobile \$40.00

WANTED TO BUY

10 Metre Mobile (Cheap)

All the above to VK7NRH 003 391975

WANTED TO BUY

Transcription turntable (as used by B'cast Stations)
either 16" or 20".

Would prefer complete with pickup and head.

Will pay good price for a good turntable.

Jim Davis VK7NOW Phone 26-1520
(004)

FOR SALE

Hand operated Gestetner Duplicator
\$50.00

Apply to W.I.A. P.O. Box 1010, Launceston.

HOBBY ELECTRONICS

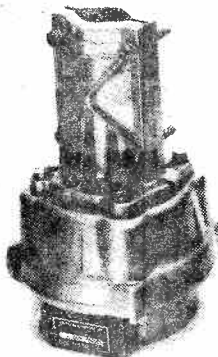
280 EAST DERWENT HIGHWAY
GEILSTON BAY. 7015
Telephone 43 6337

Digital Display Communications Receiver with CPU Digital Clock & Timer FRG-7000



NEW
\$579:00

● 0.25 Thru 29.9MHz Coverage with 1kHz Readout



ROTATORS

DR7500S	Medium Model	189.00
DR7600S	Heavy Duty Model	259.00
* High dependability: weather sealed		
* Quiet operation		
* Complete with attractive controller		
Rotation Torque	500 Kg-cm	600 Kg-cm
Braking torque	2000 Kg-cm	4000 Kg-cm

ROTATORS

Emotator:	
103LBX Medium duty, disc brake	\$183.00
502CXX Heavy duty, disc brake	\$259.00
1102MXX Heavy duty, mechanical brake	\$389.00
1103MXX Extra Heavy Duty, high turning torque	\$410.00
1211 Mast clamp for 103LBX	\$18.50
1213 Mast clamp for 502CXX	\$30.00
1215 Mast clamp for 1102/3	\$50.00
300 Mast Stay bearing	\$32.50
301 Tower top bearing	\$32.50
High quality tough PVE insulated cable especially for external use with rotators	
VCTF-7, 7 core cable (for 1100 series)	\$1.40 per m
VCTF-6, 6 core (for 103 & 502)	\$1.25 per m
Flexible coupler 451 (for 1102/3 & 502)	\$34.00
Flexible coupler 450 (for 103)	\$16.00
All items subject to stock availability	

For NEW & USED Gear

DX NOTES

You will remember that last month we mentioned rumours of activity from an Indian Ocean location, also the possibility of a Juan Fernandez operation - as we write these notes the first is in fact taking place with three stations signing FRODZ/J, FRORX/J and FROCIW/J and doing their best to take Juan de Nova off the wanted list for many VK's and ZL's. The operation commenced on the 15th of September and after one day of operation the team was put off the air by the French police, it is said due to pressure from an amateur operator from another island, quick action by the DXpedition alerted the West Germans who contacted Paris and threatened court action if the ban was not lifted. The full story is yet to be revealed, however, at present all systems are on go. Possibly the first VK7 to get through was VK7NRC - congrats Barry - since then several others have made it either on C.W., SSB or both.

Although much can be said for and against net operation one thing is evident and that was the co-operation of the VK7's with VK7PA VK3OT and the various net controllers which gave many VK's a QSO which would not otherwise been made.

The CEOX operation appears to be as far away as ever nor has any more been heard about activity from Juan Fernandez.

Generally September was a month to be remembered by many DX'ers with activity from Bajo Nuevo, Serrana Bank, Tromelin, Crete, Willis Island, Chagos, The Seychelles Juan de Nova and many other rare ones which included ZS1ANT (Antarctica) J28CC, ZS3HL, LU3ZY (South Sandwich) UA1PAL (Franz Joseph Land) OY9R, 8Q7AZ, VQ9TT, ZK2TW, A4XIH to name but a few. I think most will agree IT WAS A STAR STUDDED MONTH.

Unfortunately there's no rabbit we can pull out of the hat for October, all we can do is to keep listening, in the meantime watch the Caribbean area if you need anything from that direction from now through to the CQWWDX Contest (phone) on the 25th and 26th October when there is sure to be stations operating from the more unusual locations. Also Penrkyn island in the North Cook group will have a resident ham from about the 16th of October for six months.

We were hoping for Kamaran island to come up in November, however, it looks as though the venue will now be Iraq and I'm sure that many VK7's need that one.

Several amateurs have complained about not receiving a QSL from UA1PAL whose manager is UA1OSM, so it may be worth sending a card direct to - UA1OSM

Box 47

Archangelsk, 160360

U.S.S.R.

Sometimes a few Australian stamps enclosed works wonders.

Con't....

DX NOTES CON'T.

For the Bajo Neuvo and Serrana operations SL to:-
P.O. Box 584 Bogota, Colombia. and for all the Juan de Nova
stations to DK9KD.

ZL1BIL is handling the cards for FROFLO/T so send them
to:- Mike Edwards, P.O. Box 190, Te Aroha, New Zealand.

73 Till Next Month

COL VK7L4.

TOPICAL TOPICS

I recently heard a VK2 NOVICE calling "CQ AERONAUTICAL
MOBILE" on 21 mhz. I went back to him and amongst other
things, asked him which type of plane he was flying.

I fully expected him to say perhaps, either a CESSNA,
or a CHEROKEE or similar, but imagine my surprise when he
told me he was the Captain of a new 747B en route to
'FRISCO. He also mentioned that his antenna was higher
than mine, being a PROBE at 35,000 feet.

Oh well, you can't win 'em all I guess!

73 Jim VK7NOW.

LETTER TO THE EDITOR

Dear Sir,

The regular sunday morning broadcast is a source of
information on what is happening in our state in ham radio.
It is a source of great annoyance when important dates and
information is not heard due to band conditions. If the
broadcast is originated on 2 metres this would not happen.

A braodcast is different from normal radio communication.
It is the passing of news and the prime aim of the transfer
of the news should be that, it is received loud and clear.
I am aware that band conditions are in the lap of the gods
but we have the means available to ensure band conditions play
no part.

On behalf of many people I implore WIA branch broadcast
officers to ensure their handwork gets heard.

Get it on 2 metres!!!

Bob Harper
VK7NRH.



J. D. ELECTRONICS

64 Wentworth Street,

NEWSTEAD



Suppliers of Yaesu Amateur equipment, Test Gear and all Accessories. Antennae and Fittings. Novices check us now for a really good deal.



HS ELECTRONICS,
104 CHARLES STREET,
LAUNCESTON. 31-8942

**Soldering
Iron**

9.95

Regular Retail
Price 18.95



SAVE \$9

**Cordless,
Rechargeable
Soldering Iron**

26.95

Regular Retail
Price 32.95



SAVE \$6

240 volt, 25 watt soldering iron screw-in tip. Ideal for handyman or hobbyist. 64-9500 Sale 9.95
64-9501. Spare tips: cone shape 1.99 Pr
64-9502. Spare tips: chisel shape 1.99 Pr

•Solders up to 100 connections per charge

**"Pro"
Soldering
Iron**

SAVE \$5

Replacement Tip
for Archer and
Weller Gun

Regular Retail
Price 29.95

For Use With	Cat. No.	Pkg. of 2
Archer 64-9506	64-237	2.99
Weller 8100D		

24.95

Pull trigger and get 100 watts quickly. Spotlight for accuracy even in hard to get areas. Copper tip spreads solder evenly. Lightweight, comfortable to hold. 64-9506

No more cord tangle — and you can take it with you for easy soldering anywhere. Heats up in only 5 to 10 seconds and the high-efficiency copper tip spreads solder evenly. Easy-grip handle, pushbutton on/off, built-in worklight. Plugs into 240 VAC for recharging overnight. 64-9505 Sale 26.95
Replacement Tip. 64-2076 3.29

TARC INFORMATION RE CATERING

Venue: Penguin High School, Ironcliffe Road, Penguin.
Maps will be supplied in QRM October and November editions.

Date: November 22 and 23, 1980.

Registration Fee A fee of \$1.50 per adult, (children free,) will be charged at the door and on payment of same you will be supplied with a TARC 1980 name tag which enables you to receive morning and afternoon tea free of charge. If accompanied by your children cordial would be available to them.

Catering is being supplied by the Penguin Community Group (Penguin High School P & F Assn.) at very reasonable charges and will serve Saturday Lunch and Sunday Lunch at the High School for those who are registered, so make sure you have a name tag.

Saturday Lunch of soup sandwiches and coffee or tea or cordial will be available from 11.30 a.m. to 1.00 p.m. to registered members only.

Sunday Lunch will be smorgasbord style and will be served in a closed area of the school from 12 noon to 1.30 p.m. Advice of your attendance to this function is required in advance for catering reasons.

Saturday Evening Dinner dance will be held at the Penguin Sports Club, which is adjacent to the High School. This club is licenced, hence drinks are not included. There is ample room for dancing, a band will be in attendance, but rag chewing is encouraged; Lucky door prizes too.

Accommodation: Limited hotel accommodation is available at Penguin and there are 3 Motels in Ulverstone, Hotels too and Caravans Parks. If you require a booking or help with same, please contact Joan Fudge on 25 3770 (Area code 004)

Again this year TARC will be open to the public on Saturday afternoon and Sunday morning. Registered members and families enter free. Entrance fee for public is \$1.00 per adult, children free.

Name tags are important so make sure you have one.

CLOSING DATE FOR BOOKINGS TO FUNCTIONS IS 10TH NOVEMBER, 1980.

TASMANIAN AMATEUR RADIO CONVENTION 1980REGISTRATION FORM

NAME: CALLSIGN (if applicable)

I wish to advise that the following will be attending for

A. Registration	ADULTS	\$	.....
B. SATURDAY LUNCH	ADULTS	\$	.....
	FAMILY	\$	.....
	2 adults, 2 children	\$	.....
C. SATURDAY DINNER	ADULTS	\$	.....
DANCE	FAMILY	\$	.....
	2 adults, 2 children	\$	.....
D. SUNDAY LUNCH	ADULTS	\$	.....
	FAMILY	\$	.....
	2 adults, 2 children	\$	.....

My cheque enclosed for

\$

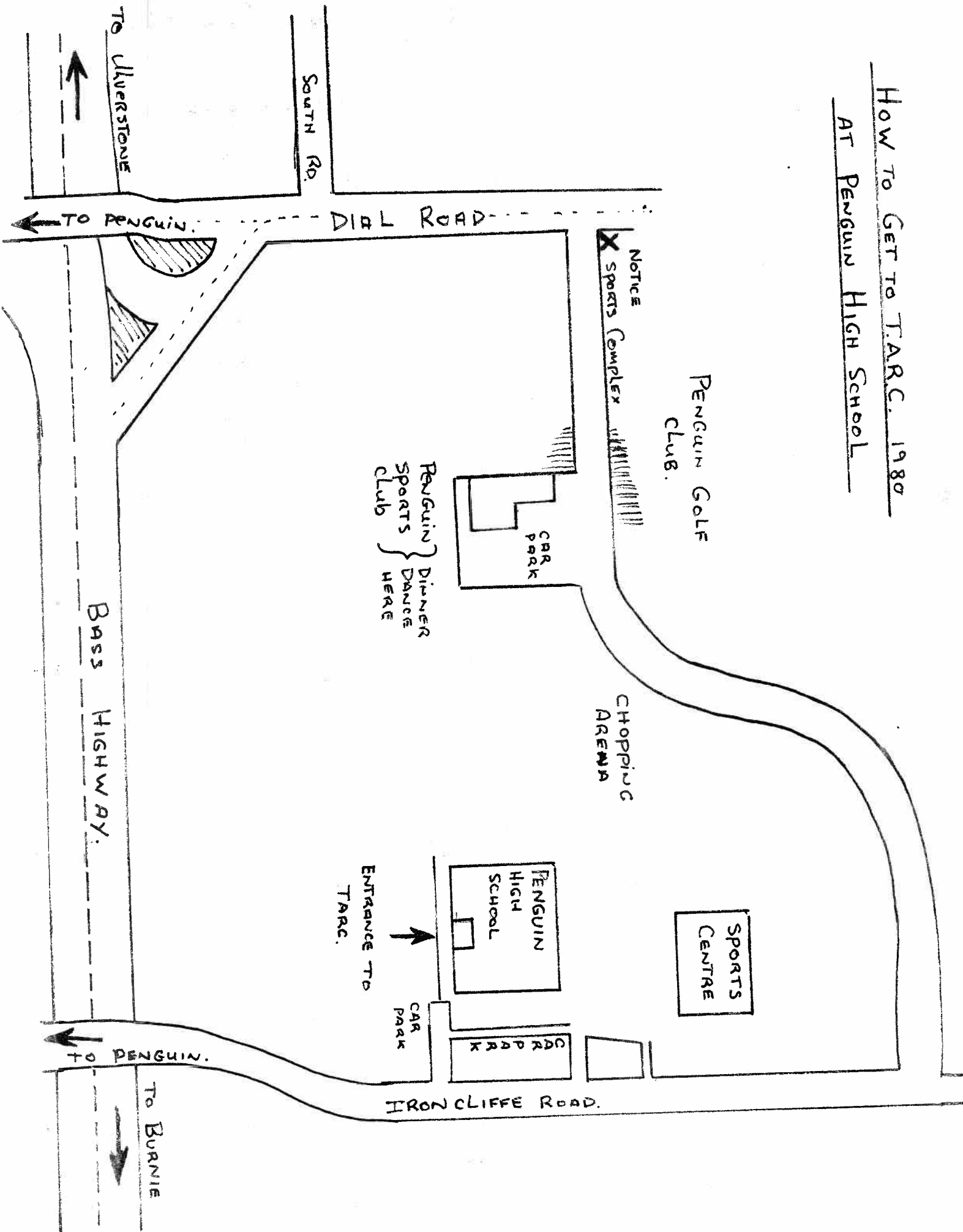
=====

RATES:

A. Registration:	\$1.50 per adult	
	\$1.00 per adult paid in advance	
	CHILDREN <u>FREE</u>	
B. Saturday Lunch	\$1.50 per adult	} PAID IN ADVANCE
	\$3.00 per family	
	\$2.00 per adult	} AT THE DOOR
	\$4.00 per family	
C. Saturday Evening	\$ 9.00 per single	} MUST BE PAID IN ADVANCE
	\$18.00 per double	
	\$23.00 per family	
D. Sunday Luncheon	\$ 4.50 per adult	} MUST BE PAID IN ADVANCE
	\$11.50 per family	

PLEASE FORWARD THIS FORM AND YOUR CHEQUE OR MONEY ORDER TO
N.W. BRANCH,P.O. BOX 194, PENGUIN, 7316. by NOVEMBER 10th, 1980.Late registrations, etc. will be received but a penalty of
50c per person will be charged.

How to Get to T.A.R.C. 1980 AT PENGUIN HIGH SCHOOL



ADVANCED ELECTRONICS

5A THE QUADRANT, LAUNCESTON, TASMANIAN, 7250 - P.O. BOX 328 - PHONE: 31 7075

KENWOOD

TS 520 S 160-10 HF \$650
 TS 180 S No DFL \$1100
 TS 120 S 80-10 HF \$735
 TS 120 V 80-10 HF 10W \$600
 AT 200 ANT TUNER \$160
 AT 180 ANT TUNER \$170
 PS 20 4AMP POWER SUPPLY \$110
 PS 30 20AMP POWER SUPPLY \$210
 NEW KENWOOD R 1000
 RECIEVER \$500
 MC 50 DESK MIC
 DUAL IMP \$59
 YK-88 CW 500 Hz CW FILTER
 FOR TS 120 V + 120 S \$35

SPECIAL

KENWOOD TR 7500
 MOBILE 2M FM TRANSCEIVER
 2 ONLY AT \$300 EACH

TOOLS

40PC SOCKET SET
 $\frac{1}{4}$ & $\frac{3}{8}$ DRIVE
 METRIC & INCH
 \$17-50

KITS

6 DIGIT LED. \$22
 CLOCK KIT
 CAPACITOR DISCHARGE
 IGNITION
 \$35-40
 30 W 80M LINEAR
 AMP \$36-00
 ANTENNA BALUN KIT
 \$9-00
 WHISTLE FILTER KIT
 \$19.75

TEST EQUIPMENT

A.C BRIDGE
 WITH SPOT OSCILLATOR
 \$90-00

LEADER
 TR DIP METER
 \$98-00

DICK SMITH
 MULTIMETER/TRANSISTOR
 CHECKER
 AND CAPACITANCE METER
 \$77-80

SPECIAL

SANYO
 RECHARGEABLE TORCHES
 HI & LOW BEAM
 WEAK BLOC

"SCENE & HEARD" by "EARWIG."

We have noticed over the past month, a marked and dramatic increase in deliberate interference or jamming of several international broadcasters such as the VOA the BBC and Deutsche Welle. The main cause of this jamming seems to be prompted by the unrest within Poland. The majority of programmes affected are in the languages of the Soviet Bloc and confined to the above three organizations. There was a relaxation in jamming them since 1973 but has been re-imposed since the 20th of August. Although the Crisis has subsided since then, there has been no signs of the jamming ceasing. Consequently there is a frequency-hopping struggle between the stations and the jammers. Listen to the BBC's Russian Service at 0445 z on 11945 khz and note how the conflict is progressing.

A new Seasonal Broadcasting period commenced on Sunday September 7th., when stations change their frequencies to allow for the variation of propagation conditions. This period will be until the first Sunday in November when the next seasonal change will commence.

Another nation in the news is Turkey at the present time. Within a few days of the Military Coup, the Voice of Turkey popped up again on 15230 Khz after an absence of several years. For many years, it was very audible during the early afternoons on that approximate frequency with programmes in Turkish. Currently I have observed it at 0634 z with Oriental music until T/S and I/D at 0700z followed by a news bulletin. Signals are very good.

There will be a Workshop in SWLing to be held at this year's TARC at Penguin. It will be conducted by several enthusiasts from throughout the State including this correspondent. The Southern Cross DX Club, which incidentally has now established a Tasmanian Branch, will also be hoping to have a display on show. Further details on when the Seminar/workshop will be held in the November "QRM".

The Australian DX Club of P.O. Box 227, Box Hill, VIC 3128. has informed me that their organization has just published the Australian Utility DXing Guide. This 138 page book contains apparently a listing of Utilities within Australia and costs \$10.00. This Club also published a receiver review with comments on most of the models available currently, at a cost of \$5.00. This organization exclusively centres on DXing as compared to SWLing. If you would like further details, write to the above address enclosing a 50c stamp. They also have a monthly bulletin, the Australian DX News.

Well that is all for this month. If you have any loggings or news for inclusion in this column, please have them with me C/- P.O. Box 275, Launceston. TAS. 7250. by October 10th. Until then 73's "Earwig"

STATE NEWS

The September Council Meeting was held at VK7XL's home at NORTH Motton.

Apologies were received from VK7RR, AW, & NPR.

Decisions on next years subscriptions and the spending of the Dick Smith Education Grant were left for next month as was Action to be taken on problems involved with some North West members subscriptions.

Branch are to be asked to support a membership Drive-In November. QRM that month is to be sent to all licenced amateurs.

Some discussion took place on problems with our Articles of Association and it was agreed to circulate to Branches, for Comments, a set of policy guidelines which would constitute Councils interpretation of these articles. A Notice of Meeting for special General Meeting is attached to this Months QRM.

NORTHERN BRANCH EVENING B/C ROSTER.

(7.30 p.m. Sundays on Repeater 8)

5th, 12th, 19th and 26th October.
7JG 7AE 7NRH 7MX

QSL BUREAU

I'm running out of space again so unclaimed cards for the following will be destroyed on 31st October unless claimed in the meantime. A phone call (44 2854), SASE or a call at the Bureau will save them:

VK7AG AZ BA BR DH EJ FC HW IL JA JC JR JW KZ
MD MG MJ MR SL SS TA WG WH NAS NCW NED NJA NLM
NLR NLT NNH NPD NSR NSW NVL ZFL ZIF

Chas VK7CH
QSL Manager

NORTHERN REPEATER RAFFLE.

Thanks to all those who supported this activity. Over \$190.00 was raised and the Results were:-

1st Prize,	R. Morphet, Launceston	Ticket	247
2nd "	, P. Siddings, Dairy Plains	"	232
3rd "	, F. Powell, Howarah	"	917
4th "	, D. Kelly, Perth	"	359

AMATEUR ADVISORY COMMITTEE

The last meeting of the Committee was held on 23rd August. The minutes of the previous meeting was read and confirmed. Minutes of VK6 meeting for May and VK4 meeting for August were read. The only thing of note was a report of a 37 minute QSO without call signs.

Of a local nature, the following points were brought up and discussed. No action was thought to be necessary other than to be reported in these notes.

The call VK7CPA/MM reported operating in the Pacific has not been issued.

The Northern Branch scrambles raised some points on cross band operation. Remember that when working crossband you are still required to listen also on your transmitting frequency to prevent QRM to other stations. Keep the receiver on the other band turned down or phones to prevent re-transmission.

Now that it is no longer necessary to have approved low power equipment before a Novice licence will be issued, the requirement to keep within the limit falls back onto the operator. Recent inspections of stations has shown that the methods used in attempting to keep within the limit are not always correct. Have a look at the "ARA PROJECT" in issue 5 Vo13 for a PEP indicator.

With the use of mult-channel 2m equipment some operators are using private frequencies. There has always been a tendency to be a little more relaxed in operating on other than Repeater channels, but remember with the increased use of scanners those frequencies are not so private.

The next meeting is set for Oct. 4.

VK7PF

DEVIL NETS

Note the following nets operate - join in.

SUNDAYS	0100 Z	28.560	MHZ & 28.580	MHZ.
"	0500 Z	21.380	MHZ	
"	0930 Z	14.325	MHZ	
TUESDAYS	1100 Z	3.5900	MHZ	

Also Jill VK6YL would like to have VK7's call into Open House Net on Tuesday and Thursday at 1000 Z on 14.332.MHZ. Many U.S. Stations are looking for more VK7's for Devil Award. Please call in on some of these nets.

PART 3

OF THE HISTORY OF THE CAPACITOR

Immediately following VON KLEIST'S discovery, the experiment was repeated by CUNEAS at Leyden, (which gave the name "Leyden Jar" to this type of Condenser) and a little later, English investigators found that an IRON CHAIN wrapped around the bottle could be substituted with advantage and comfort for the human hand; that METAL FILINGS or MERCURY could replace the water inside the Flask; and it was even suggested that SHEET LEAD coatings could be used as the conductors.

The principal developer of the crude KLEIST condenser, however, was an American, no other than BENJAMIN FRANKLIN, who, within 3 years of the discovery had developed TINFOIL COATINGS pasted on both GLASS JARS and FLAT GLASS PLATES, (the latter form being known as the "FRANKLIN PANE"), devised methods of arranging and charging condensers in series as well as in multiple, and discovered the important fact that the Electrical charge resided NOT ON THE CONDUCTORS, but in the DIELECTRIC which separated them.

Do not miss the next 3 or 4 Parts. They will certainly make interesting reading.

VY 73 JIM VK7NOW.

NORTHERN TOPICS

Over 30 attended the last meeting - a visit to Launceston Airport.

Scrambles will now be not held each week - listen to broadcasts for details. A monthly trophy will be award. Ken VK7ZKT is this month's co-ordinator.

Ladies - a meeting will be held at Phil Gelstons' on 12th October at 3p.m. to organise a family Christmas function.

Please help by attending.

Octobers meeting is billed as a "Novice Night" A variety of activities will be demonstrated including SOTV & RTTY.

Thanks to all who helped with the Albert Hall exhibit - seemed to generate pleasing interest.

Quite a number of new calls this month. Congratulations to all and also to P. & T for their speed in handling marking. Results in 2 weeks!

October 1980

LAGOON OF ISLANDS TRIP.

JOIN US IN A STATE WIDE GET-TOGETHER IN THE
GREAT OUTDOORS.

WE WILL BE LOOKING FOR YOU AT THE LAGOON OF ISLANDS
ON SAT., 4TH. OCTOBER DURING THE MORNING EARLY.

DO NOT WORRY ABOUT THE WEATHER - JUST COME ALONG AND
SEE THE FACES BEHIND THE MICROPHONES.

BRING THE FAMILY, FOOD AND BEVERAGE; AND, IF YOU MUST,
RADIO AS WELL.

DON'T FORGET, OCTOBER 4 AT THE LAGOON OF ISLANDS.

Take notice that a special general meeting of the Tas. Division will be held on the 22nd November at 5.15 p.m. at the Penguin High School during the T.A.R.C. The meeting has been called at the direction of Council to consider the following motions:

1. That clause 30 be amended to read:

Associate members shall be entitled to vote at all meetings except General Meetings but shall not be eligible for election or appointment to Council except as ex officio members.

2. That clause 6A be amended to read:

The Council will consist of at least two members from each of the branches, making a total of not more than six members all together. Such members shall be appointed on the voting of the members of the branch from which they have been nominated.

COMMENT: Council has directed that a special meeting be held because the two motions which are set out above were received by it in such a form that they were technically invalid and were out of order. Members will recall that at the 1980 A.G.M. the proposals concerning associate members were the subject of a motion which was agreed to be held over to this time. Your thoughts on these motions would be appreciated. If you do not wish to attend the meeting but wish to exercise a vote you are entitled to vote by proxy as provided by the constitution.

SOUTHERN BRANCH NOTES.

The first item on the agenda for the month of October is the trip to the Lagoon of Islands on Sat. the 4th. (see separate advertisement) This is meant to be a social get-together rather than a radio function, so come along and bring your family.

The Southern Branch meeting will be held on the Wed. the 1st. Oct. at the S.E.S. headquarters in Melville St., commencing at 8pm. It is hoped that we will be able to have a guest speaker from an organisation that all amateurs are closely concerned with, however details have not yet been finalised.

The next Southern Branch executive meeting will be held at the QTH of Paul, VK7PA on Thursday, the 16th. of October.

The first of social evenings that have been requested by SB members is to be held on Friday, 24th. of October, and will probably be held at the SES headquarters in Melville St., starting at approximately 8pm. (Venue is yet to be confirmed).

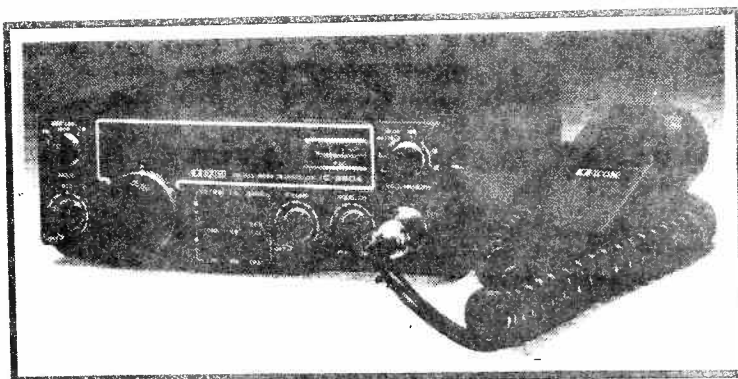
The next WAGS function will be the Christmas barbecue, To be held at the Waterworks Reserve on Sun. December the 7th., Starting time about midday. There will be a charge of 1.00 per person or family, to cover cost of bread, salads, etc, but otherwise it is Bring Your Own meat and drink.

At the latest executive meeting, it appears that overall, the number of members of the WIA this year has dropped; and members are requested to put on their thinking caps and (hopefully) come up with some good ideas for the recruitment of more members, for the next meeting. Also discussed were the design of SB QSL cards, as these are particularly being required by the Devils Award Participants. Congratulations to all those with new or upgraded calls as a result of the recent P&T exams, from all members of the executive.

HANDY 2M FM/SSB MOBILE!



IC260A



FEATURES

* 2m ALL-MODE TRANSCEIVER INCORPORATING A MICROCOMPUTER

CPU control with ICOM's original programs provides various operating capabilities. No back-lash dial controlled by ICOM's unique photo-copper circuit. Band-edge detector and Endless System provides out-of-band protection. No variable capacitors or dial gear, giving problem-free use. The IC-260A/E provides FM, USB, LSB, CW coverage in the 143.8 — 148.2MHz frequency range. Thus the IC-260A can be used for mobile, DX, local calls, and satellite work.

* MULTI-PURPOSE SCANNING

Memory Scan allows you to monitor three different memory channels. Program Scan provides scanning between two programmed frequencies. Adjustable scanning speed. Auto-stop stops scanning when a signal is received, in all modes.

* DUAL VFO'S

Two separate VFO's can be used either independently or together for simplex operation, and any desired frequency split in duplex operation.

* CONTINUOUS TUNING SYSTEM

ICOM's new continuous tuning system features an LED that follows the tuning knob movement and provides an extremely accurate readout. Frequencies are displayed in 7 LED digits representing 100Hz digits.

Automatic recycling restarts tuning at the top of the band, i.e., 145.999.9MHz when the dial goes below 144.000.0MHz. Recycling changes 148.199MHz to 143.800.0MHz as well. Quick tuning is 1KHz steps is available, and fine tuning in 100Hz steps in the SSB and CW modes, and 5KHz steps and 1KHz steps in the FM mode, is provided for trouble free QSO.

* OUTSTANDING PERFORMANCE

The RF amplifier and first mixer circuits using MOS FETs, and other circuits provide excellent Cross Modulation and Two-Signal Selectivity characteristics. The IC-260A has excellent sensitivity demanded especially for mobile operation, high stability, and with Crystal Filters having high shape factors, exceptional selectivity.

The transmitter uses a balanced mixer in a single conversion system, a band-pass filter and a high-performance low-pass filter. This system provides distortion-free signals with a minimum spurious radiation level.

* ADDITIONAL CIRCUITS

The IC-260A has a built-in Noise Blanker, CW Break-in, CW Monitor, APC, and many other circuits for your convenience. The IC-260A has everything you need to really enjoy VHF operation, in an extremely compact, rugged transceiver. Comes complete with mic, mobile mounting bracket and English manual.

* BACKED BY VICOM

90 day warranty and technical/spares support.



THE ATTRACTIVE FRONT PANEL

Typical Technical Characteristics (Australian model)

GENERAL. Number of semi-conductors: Transistor 72, FET 9, IC 44, Diode 90. Frequency coverage: 143.8000 — 148.1999MHz. Frequency resolution: SSB 100Hz steps FM 5KHz steps, 1KHz steps with TS button depressed. Frequency Control: Microcomputer based 100Hz step Digital PLL synthesiser. Independent Transmit-Receive Frequency Capability. Frequency Readout: 7 digit LED 100Hz readout. Frequency stability: Within ± 1 5KHz. Memory channels: 3 channels, any inband frequency programmable. Usable conditions: Temperature: -10°C — 60°C (14°F — 140°F) Operationable time: Continuous. Antenna impedance: 50 ohms unbalanced. Power supply supplement: 13.8V DC $\pm 15\%$ (negative ground) 3.5A Max. Current drain (at 13.8V DC): Transmitting mode: SSB (PEP 10W) Approx 2.2A. CW, FM (10W) Approx. 3.1A. FM (1W) Approx. 1.6A. Receiving. At max audio output Approx. 0.8A. Squelched Approx. 0.6A. Dimensions: 64mm (H) x 185mm (W) x 223mm (D). Weight: Approx. 2.7Kgs. Warranty: 90 days when purchased from authorised dealers. **TRANSMITTER.** Output power: SSB High 10W (PEP) Low 1W (PEP). CW High 10W Low 1W. FM High 10W Low 1W. Emission mode: SSB (A3J, USB/LSB), CW (A1), FM (F3). Modulation system: SSB Balanced modulation, FM Variable reactance frequency modulation. Max. frequency deviation: ± 5 KHz. Spurious emission: More than 60dB below peak power output. Carrier Suppression: More than 40dB below peak power output. Unwanted Sideband: More than 40dB down at 1000Hz AF input. Microphone: 1.3K ohm dynamic microphone with built-in preamplifier and push-to-talk switch. Operating mode: Simplex, Duplex. (Any inband frequency separation programmable). **RECEIVER.** Receiving system: SSB, CW Single conversion superheterodyne, FM Double conversion superheterodyne. Receiving Mode: SSB (A3J, USB/LSB), CW (A1), FM (F3). Immediate Frequency: SSB, CW 10.75 MHz. FM 10.75MHz, 455KHz. Sensitivity: SSB, CW Less than 0.5 microvolts for 10dB S+N+D/N+D at 1 microvolt. Less than 0.6 microvolts for 20dB Noise quieting. Squelch sensitivity: Less than 0.4 microvolts. Spurious response rejection ratio: More than 60dB. Selectivity: SSB, CW More than ± 1 2KHz at -6 dB point. Less than ± 2 4KHz at -6 dB point. FM More than ± 7 5KHz at -6 dB point. Audio output power: More than 2W. Audio output impedance: 8 ohms.

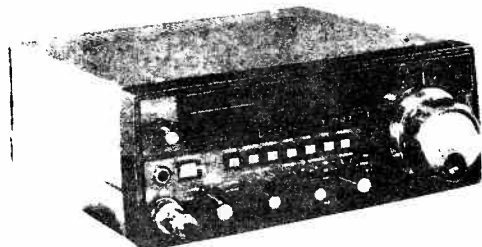
Check it out at your VICOM dealer.

VICOM
GELSTON COMMUNICATIONS
LAUNCESTON, P.O. BOX 1311
TAS. 7250
PHONE 082 44 3888

VK ELECTRONICS
57 WEST PARK GROVE BURNIE 7320

PHONE
311 708
VK7ZNS / NNS

NEW YAESU FT-707 "WAYFARER"



THE ULTIMATE MOBILE + new bands

- ★ 240W SSB/CW, 80W AM Solid state transceiver.
- ★ 3.5-4, 7-7.5, 10-10.5, 14-14.5, 18-18.5, 21-21.5 24.5-25, and 28-29.9 MHz coverage.
- ★ Variable IF selectivity plus new front end design.

PLUS ACCESSORIES *

FP-707 BASE PWR SUPPLY

FC-707 ANTENNA TUNER

CALL FOR OUR PRICES!

DICK SMITH PRODUCTS

GREAT CIRCLE MAPS \$3.00
AMATEUR WORLD PREFIX MAP \$2.00
50 Ω LOW LOSS COAX URG7 \$1.40/M
RG58 50 Ω COAX 0.40/M
DICK SMITH OSCILLOSCOPE } \$199
6.5 MHz BANDWIDTH }

VKE PS80 REG PWR SUPPLY
13.8 V AT 10A CONTINUOUS AND
25A PEAK. SUIT H.F. RIGS \$145

ATV SPECIAL - \$69.00

JAYBEAM 48 EL. 70CM. YAGI
USED BUT AS NEW. MOD. MBM
48-70 USED BY VK7ZNS

WARRANTY AND AFTER SALES SERVICE — PRICES AND STOCK SUBJECT TO CHANGE

QRM PUBLICATION

REGISTERED CATEGORY "B"

POSTAGE PAID

LAUNCESTON, 7250.

NORTHERN BRANCH, W.I. A.

P.O. BOX 275, LAUNCESTON, TAS, 7250.