

AMATEUR

QRM

RADIO

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

Registered for Posting
as a Publication,
Category B.

P.O. BOX 275
LAUNCESTON
TAS. - 7250

SEPTEMBER 1980 VOLUME 10 no 8

Meetings --: South 3rd North west 9th North 12th Council 20th.

Editorial

I have had my call sign for just over a year now which makes me a newcomer to the ranks of licenced operators but I've had a lifelong flirtation with Short Wave radio. For that reason I am an Oldtimer in many ways. I like many of the traditional things about our hobby, e.g. Valves, Equipment racks, large Wire Aerials etc. There is also the terminology such as Condensers, Grid Leaks, Hams and Wireless. Some people have observed that with so many wires "Wireless" is something of a misnomer, forgetting there is no landline involved in the operation. To me "Wireless" is a descriptive term and one with some romance attached to it. When we consider the Teletext and computer links being planned for the Telephone network and the move toward Cable TV systems it perhaps won't be long before we are the only users of Wireless remaining, 'Phone patch privileges aside. Our society is traditional enough to be called the Wireless Institute and I hope that will not change. With a group such as ours there is a sense of continuity from the simplicity of the past to our present day sophistication. In this continuity we will retain our traditions and probably make a lot of new ones, even in the distant future when someone may well ask 'Why are we called the Wireless Institute?

Barry Fraser VK7NBA

SOUTHERN BRANCH NOTES.

Meetings. The next S.B. general meeting will be held on Wednesday September 3rd, starting at 8.00 p.m. at SES Headquarters in Melville St., The next S.B. executive meeting will have a date set at the next general meeting.

The next WAGS meeting will be held during the September holidays in the daytime. Anyone interested please contact me (287575) or Gale (391391).

At the next meeting there will be an auction sale so could amateurs please dig in their shacks for any saleable items, and any other items which may sell.

Activities The president will be suggesting that there be a second meeting during the month which is a combination social/working bee evening where amateurs and XYL can go over work on that "project that went wrong", or just socialise, OR both.

Lagoon of Islands trip - So far there has been no feedback from the North or N.W. Branches whether they would like to join this strictly social event. If a location further North would enable more amateurs to attend, then an alternative site has been suggested - this is the pumping station (right turn) at the top of the Western Tiers on the Poatina - Great Lake Rd., The suggested time is still 4th October.

That's all for now

VK7ZSU - SUE

QSL BUREAU

In future outward cards for VK stations will be handled free for members (Non members 6c each). In brief there is no need to put stickers on any cards for stations with a VK prefix.

Chas VK7CH
QSL Manager

TOPICAL TOPICS.

Jim VK7NOW

On Monday, WB7-QAE BRIAN, from SHELTON, WASHINGTON STATE, arrived in VK7. Brian stayed overnight with us, before touring Tasmania by car. He is only a young chap - 23 years of age, & brought some samples of Volcanic ash from Mt. St. HELENS, which is 80 miles from his home. He intended visiting other VK7's.

SOUTHERN BRANCH EQUIPMENT STORE.

<u>ARTICLE</u>	<u>PRICE</u>
RESISTORS 10HM - 5W	.10
RESISTORS 10-3MOHM	.04
POTENTIOMETER 1K5-3M3OHM	.50
POTENTIOMETER TRIM 10K-10TURN	1.00
CAPACITORS - CERAMIC POLYESTER 3.3PF-0.22 MFD	.11
TAG TANTS 1 MFD -	.20
TAG TANTS 4.7 MFD -	.35
ASS FEED THRU CAPACITORS	.03

DIODES

IN914 - 75V	.08	L.E.D. GREEN STD	.20
IN4007- 1000V	.12	L.E.D. RED STD	.15
BYX48 - 300VR	2.00	BRIDGE KBPC 3504 400V35A	3.40
BYX48 - 300V	2.00		

TRANSISTORS

NSB 319	.24	2N3055 GEN PURPOSE	.70
2N3819 J-FET-Ft= MHz	.60	2N2222	.40
2N5086	.45	TIP 2955	.78
BF200 NPN-VHF AMP Ft=550MHz	.70	BD139	.43
NSD202 PNP-8W Power or Audio	.35	BD140	.43
MPS3702 PNP GEN PURPOSE 500MA	.10	TIP 3055	1.20
BC547B NPN GEN PURPOSE	.25	BC549C	.18
BC308B	.25		

I.C.'S

LM741	.45	LM709	.85
LM555/NE555	.45	LM111	4.37
LM380	1.30	DM7410	.60
NE556A	1.98	MPF131	1.10
LM3900	1.60		

VOLTAGE REGULATORS

LM723	.75	78L15-15V 100MA	.65
LM317T	3.00	78L12-12V 100MA	.65
LM340-5	1.60	7812-12V 1 AMP	1.20

I.C. SOCKETS 8 PIN	.25
I.C. SOCKETS 14 PIN	.30
MOUNTING KITS TO-3 BASE	.15
CLIPS RETAINER RELAY 1 1/4" x 1 1/4"	.05
SLUGS F29 - 12 - 200 MHz	.12
CANS FOR COILS	
(i) SINGLE (SMALL)	.10
(ii) SINGLE (LARGE)	.10
(iii) DOUGLE (MEDIUM)	.10
NEOSID COIL FORMERS (SMALL)	.12
BASES (SMALL)	.12
BASES (DOUBLE)	.18

SOUTHERN BRANCH EQUIPMENT STORE CON'T.ARTICLEPRICESOCKETS AND PLUGS

PL259	LARGE HOLE	1.00
PL259	SMALL HOLE	1.00
SO239.4	HOLE MTG	1.00
VHF	PLUG BASES	.90
SOUBLE POLE	PUSH/PULL SWITCHES	1.50

COAXIAL CABLE.

RG8/U	(PER METRE) 50 OHM	1.00
RG58/AU	(PER METRE) 50 OHM	.50
NECK TIES	W.I.A. (RED AND BLUE)	1.00
CIRCUIT BOARD	(SINGLE AND DOUBLE) SOON AVAILABLE	

BOOKS.

NOVICE	1000 QUESTIONS	3.00
500 QUESTIONS	FOR A.O.C.P.	2.20
A.R.R.L	HANDBOOKS (1980)	10.00
LOG BOOKS	(BYVK4VV)	3.25
UHF-VHF	MANUAL (RSGB)	11.00
MANY OTHERS	AVAILABLE	

ENQUIRIES TO CONTACT VK7EA
 36 GORMANSTON ROAD, MOONAH. 7009
 or PHONE HOBART - 002 - 287246

Believe P & T got a little mixed recently. At the August AOCP exam in Launceston they gave two papers to Al VK7NAB. They didn't really error, unfortunately, as they had counted correctly, Lyn VK7NLW, didn't get one! Around 25 sat the exam.

It was good to see Den VK7Dk at a Friday night Great Northern evening last month. About 15 souls spent an evening ragchewing and "socializing"

Why not use the clubrooms for such events?

Noticed that the Maritime College is now numbered amongst our members. Welcome

Believe Joe VK7JG is taking up farming. Has some acres in Ecclestone Rd., but don't know whether its antenna or fruit trees.

For those who have been following it, seems Graeme VK7ZGG's shack's finished. The carpets down.

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
RECEIVER \$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
CLOCK KIT \$22

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

RECHARGABLE TORCHES
HI & LOW BEAM
WEAR \$105 \$69-00

NORTHERN BRANCH NOTES

by KEN VK7ZKT

8th August Montly meeting

There were about twenty two members present at the clubrooms with Brian 7ZBY acting as chairman, as Reg was laid up with a back injury.

Alan 7NAC presented the Tresurer's report showing the following balances, Clubroom account \$1173, Operating account \$674 and Deposit account \$1000. Alan spoke on raffle receipts and indicated that he would accept stubs and monies from the sale of tickets.

Equipment store: David 7YY reported a profit of \$20 from previous meeting's auction. Also that the project of RF pre-amps is in hand and waiting on the special toroids.

Clubroom manager, Ken 7ZKT, reported on the erection of the triband 3 element beam for 10, 15 and 20 metres. Thanks mainly to Andre 7AE and Frank 7BC, who are both very competent antenna erectors. This job was completed the weekend before the R.D. contest during a brief respite in the rain.

Membership applications: Motions to accept Graham Wright (from Advanced Electronics) and Phillip Barnard VK7ZEN were moved and accepted.

NEXT MONTHLY MEETING: 12th September.

The next meeting will be at the LAUNCESTON AIRPORT. There will be a look over flight service facilities and radio equipment room at the airport. If time, also some discussion on meteorology. Meet in the lounge bar at the airport at 7.30 p.m.

R.D. CONTEST VK7NB was manned during most of the contest period. With the aid of some of Andres equipment to supplement the club's, we managed a total point score of 1425 coming from 456 contacts. Remember that logs must be in to the contest manager, postmarked no later than the 8th September.

SOCIAL EVENING: 13th September

A last reminder for this function, tickets at a cost of \$3 per head will be available still at the airport monthly meeting. All you have to bring to the Riverside community centre is yourself and partner. Any friends of members are welcome. Supper and drink provided.

HOBBIES EXHIBITION 12 - 14th September Andre 7AE will be co-ordinating the WIA display so if you wish to help see Andre.

NORTHERN BRANCH CALENDER
FOR SEPTEMBER

10th Return of Raffle Tickets
12th Meeting:- at Launceston Airport
12th-14th Exhibition at Albert Hall
13th Scioal Evening - Riverside Council Chambers
19th Building Night Club Rooms
26th Get together - Great Northern Bar

NORTHERN BRANCH SOCIAL EVENING.

VENUE :- RIVERSIDE COUNCIL CHAMBERS

DATE:- SATURDAY 13th September.

ENTERTAINMENT, LIGHT MUSIC, SUPPER PROVIDED FOR THE FEE OF \$3.00

PLEASE FORWARDTICKETS TO

.....

.....

Enclosed \$

RETURN SAME BY SEPTEMBER 8th to:-

P.O. BOX 275,

LAUNCESTON.....7250.

NORTHERN REPEATER

It may come as news to some that costs of running this device are accepted by the Northern Branch and these are quite significant. For instance the electricity bill is \$100 per year - so the entire subscription of the 50 Northern Branch members is taken for this.

In order to help overcome this problem a solid state repeater is presently being built - this will not need the expensive no-break power, but this costs money.

To enable all those who use the device to contribute a raffle is being run. You can use this to spread the cost as the prizes are "non amateur" items or, of course, a straight donation would be accepted.

Books have been distributed but more are available.

SEND DONATION OR TICKET STUBS TO P.O. Box 275 LAUNCESTON BY
SEPTEMBER 10th

Robin VK7RH always seems ready to accept worthwhile positions. The latest is as VK co-ordinator for an organisation assisting handicapped people to modify radio equipment to allow their use.

I think the next thing will be aero-navigation lights. Notice Andre VK7AE is planning a 125 ft tower.

FOR SALE:-

LAFAYETTE RECEIVER TYPE HA-600A

FULLY SOLID STATE, Tunes

Amateur Bands as well as Normal short wave Bands

PRICE FOR this item \$200.00 or near offer.

CONTACT MR. G. Simpson VK7GS

Phone:- work 303219
home 316505

NORTH WEST BRANCH NOTES

The meeting for August, 12th was held at club headquarters with a good attendance. A total of 26 members and Associates.

MINUTES OF THE PREVIOUS MEETING were read and adopted.

GENERAL BUSINESS. A plan is to be formulated for members who wish to become involved with S.E.S.

WICEN NORTH WEST BRANCH. A list of members is required who are able to offer their services as a TECHNICAL SUPPORT GROUP in connection with WICEN if an Emergency situation should arise.

SUNDAY MORNING BROADCAST A problem has arisen in getting somebody to put the Broadcast on Repeater 3. Come on some of you "Z" CALLS - What about it? The Hobby of Amateur Radio is not what you can get out of it - its what you can put into it.

R.D. CONTEST The Club Station was very successful. The Station was manned around the clock and some 700 odd contacts were made. The previous Saturday, a very willing working bee under the direction of PETER, VK7BQ, erected several Antennae and the results in the RD surely indicate that their work was not in vain.

A.O.C.P.

It seems that November 18th could be the date for the Exam at the Burnie Tech.

J.O.T.A.

Several members have again made their Stations available. Last year WERNER, DF4-FX sent the GUIDES at Jims shack, some nice SSTV pictures of GERMANY.

CORRESPONDENCE INWARDS. Several letters were read including one giving permission for ATV SUNDAY B'CAST.

COUNCIL Several matters were presented by Rep. IVAN VK7XL.

TREASURERS REPORT The Treasurer Bruce, informed the meeting that finances were in great shape. A Donation of \$118 from a Commercial enterprise was gratefully accepted. Report adopted.

QSL BURO. DON, VK7NDP, gave some helpful tips to new members on details to be observed when sending QSL CARDS.

TARC. Preparations are well in hand. This year should be the best ever.

NORTH WEST BRANCH NOTES CON'T.ACTIVITIES

Associate Member Geoff (Robby) ROBERTSON, gave a most interesting illustrated lecture on the tracking of WEATHER SATELLITES, including RUSSIAN SATELLITES, The AMERICAN TIROS-N and others. Geoff went into much detail regarding the types of scanning in use, also the Antennae systems etc. He also showed some very finely detailed photos taken from a Slow Decay Phosphor Tube. Members gave Robby a hearty round of applause for his effort.

Supper served by the ULVERSTONE members, concluded another successful meeting.

More next month VY 73 Jim

FOR SALE

- (1) One only FT-901, unmarked, with spare finals and handbook. Will consider FT-7 or TS-120 as part payment \$990.00.
- (2) One only SM220 Monitor Scope (new) \$275.00
- (3) "Century" Receiver uses wadley loop principal (new) \$210.00

All the above apply to:-

Mr. B. Carter VK7AK

Phone Home only 003 - 622479

WANTED TO BUY.

- (1) Stolle Rotator
- (2) Crystal Microphone Type D104 OR Insert for same.

If you can help with these two contact:-

Mr. B. Bailey VK7NZZ

Phone 002-641320

GELSTON COMMUNICATIONS

TWO WAY RADIO SALES & SERVICE

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Electronics



APPROVED
DEALER

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P O Box 1311
Phone 443882
LAUNCESTON 7250
TAS

Contact us for your next PURCHASE
LAY-BY accepted with 10% Deposit.

FINANCE ARRANGED

This Months SPECIALS ***** IN STOCK.

IC701 HF Transceiver \$895.00 Will modify to NOVICE power if required.
IC22S 2M Transceiver \$299.00

AVAILABLE shortly IC-720 HF all band Solid State 100w Transceiver. \$1299.00

OPTIONS. IC-PS20 Power Supply , CW Filter AM Filter
HFI Automatic five band mobile antenna.

Some other new ICOM equipment available soon.

IC451 A ten watt all mode 70cm base station

IC560 A multi mode 10 watt 6 metre mobile rig.

IC2KL A kilowatt solid state HF linear for the IC701/720 series.

IC30 A self programming drop-in charger for the IC2A and its accessory batteries.

IF YOU SEE IT ADVERTISED WE CAN SUPPLY IT:

WE also have on order from the U.S.A. AVANTI Antenna order now to avoid disappointment, approx cost will be around \$55.00
The first shipment consists of 2 Meter antennas only , following this there will be 4.5dB aerials for 432 Mhz.

New 2 Meter Avanti Mobile Antenna

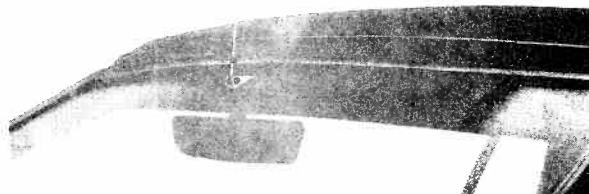
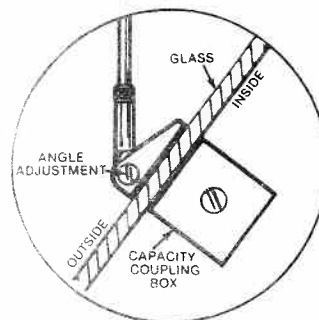
Mounts on glass — no holes!

- Receives and transmits through glass.
- Superior performance equivalent to 5/8 wave.
- Superior radiation full Omni-Directional.

It's easy to install — No holes to drill, no magnet to scratch the paint, no clamps. Uses an especially developed epoxy adhesive that secures antenna to window like a 1/4" bolt. The capacity coupling box is simply attached with a special adhesive tape to inside of window. Worried about crimping or corroding coaxial cables? It's all inside and out of sight.

Models also available for 220 MHz and 450 MHz.
AH 151.3G SPECIFICATIONS

Gain	Equivalent to 5/8 wave
2 meter V.S.W.R. Band Width	Better than 1.5:1
Maximum power	150 watts
Nominal Impedance	50 Ohms
Chrome plated casting. Stainless Steel hardware. Swivel whip holder	
Height	33"
Performance and Mechanical Patents Pending	



R.D. CONTEST AND VK7NW NOTES

Plans had been laid for an antenna system at Penguin High School for VK7NW for sometime. With funds now available, two masts were erected and on Saturday 9th August from 10 a.m. until starting time at 6p.m. there was plenty of activity tuning antennas for 80M, 40M, 20M, 15M, 10M and 2M for the RD Contest.

At kick-off time there were operators, scribes and a supervisory fullcall ready for the first shift. Some of the operators for the weekend were CBers from the Penguin A.O.C.P. Class and "their appetites were wet" for amateur action right from the field day the weekend before.

The "night shift" took over about 11 p.m. with tea, coffee and food to keep them going. First of morning shift arrived at 6 a.m. and others followed by 9 a.m. Hot breakfast was served for night shift and they departed for some shuteye. The air waves had began to liven up again so activity with only one operator on air at any one time and covering both HF and VHF was at a high. During the morning many visitors attended to watch operations and join in the tallying. Hot Lunch was served to those who required it. Whether "workers" or onlookers some of whom were children. Again the station changed operators and supervisor with amateurs and CBers joining forces to keep the tally going. By this time a fun atmosphere had developed and many of the CB visitors now realised that amateur radio really is a fun hobby. About 5p.m. VHF contacts were very limited and HF was still very busy. VK7NW ended the contest in the hands of the ladies with an XYL on microphone and an XYL as scribe.

In taking part of what began as a mediocre field day and developed into a family fun day, I take this opportunity, to thank VK7BQ, VK7AX, VK7MM, VK7NHB, VK7NNN, VK7ZAP for being available to keep VK7NW on air for 24 hours, to thank the many amateurs and CBers who acted as scribes and operators and to thank the many friends who visited the station. VK7NW made 673 contacts and has claimed 2096 pts for VK7.

Joan Fudge.

HOBBY ELECTRONICS

280 EAST DERWENT HIGHWAY
GEILSTON BAY, 7015
Telephone 43 6337

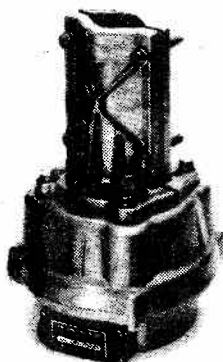
Digital Display Communications Receiver with CPU Digital Clock & Timer FRG-7000



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	DR7500S 500 Kg-cm	DR7600S 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

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.



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.

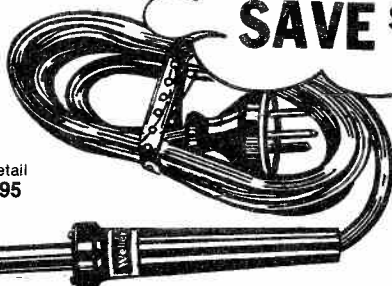


HS ELECTRONICS,
104 CHARLES STREET,
LAUNCESTON. 31-8942.

**Soldering
Iron**

9⁹⁵

Regular Retail
Price 18.95



SAVE \$9

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

**Cordless,
Rechargeable
Soldering Iron**

26⁹⁵

Regular Retail
Price 32.95



SAVE \$6

•Solders up to 100 connections per charge

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

**“Pro”
Soldering
Iron**

SAVE \$5

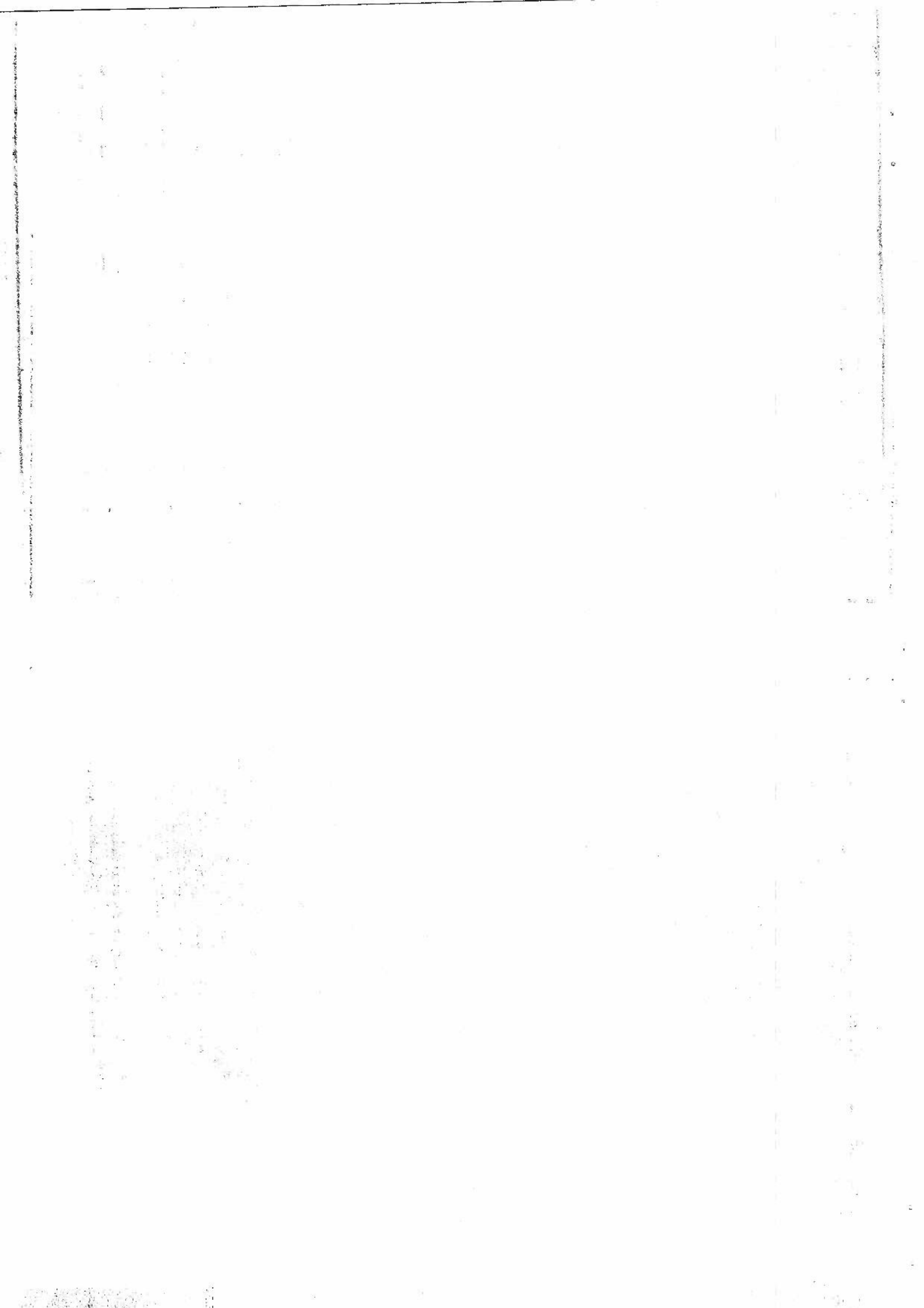
Replacement Tip
for Archer and
Weller Gun

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

Regular Retail
Price 29.95

24⁹⁵

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



DX NOTES

Unfortunately we have no advance information of DX operations because all the DX news received has already happened or will have taken place before these notes are being read. (This is where a weekly DX bulletin would be of real benefit)

Rumours are still running hot about further activity in the Indian ocean area and the possibility of a station operating from Juan Fernandez using a CEOZ call sign or as CE5CJA/CEOZ, the latest advise on this is that operation will take place "the first half of September".

The last ARRL DX bulletin was unreadable here due to the action of an intelligent half-wit jamming the frequency but there was mention of activity from the South Shetland islands by a new operator and I heard the call-sign VP8ZR mentioned so it might be worth making a note of.

On Sunday 17th August Mike VK7MC arranged for OA4AWD to come up on 3.605 m/hz at 1045Z, Bob gave many VK's a new country and I can say without fear of contradiction that it sure sorted out the men from the boys and proved that make shift aeralis are not worth much on 3.5 when chasing DX - Thanks Mike for a job well done - Others heard on 3.5 m/hz were YJ8, H44, VK9Z and FK8 all on SSB and W, JA, FK8 and UAO on C.W.

40 metres produced LU, CP, DJ, GW, G, YV, VE and OA4AWD all on SSB and there were probably countless others if one had been prepared to put more time in listening, all the above were heard between 0630Z and 0900Z.

20 metres was quite good, the best heard here were:- A7XD, C5AAS, C5ACC, C5ACO, CT2DG, C31MK, EA8's, EA9EO (1 watt on CW) F9UW/3A, F6KGU/TL8, FM7WS, GU4EON, HH2VP (CW), HS1AM1, JY's, TU2GH (SSB and CW) UA1PAL (Franz Josef Land), VK9ZG, W4MAT/SV4, and XT2AU.

15 metres also had its share of goodies with CP8AL, FB8XY, FB8ZO, FROFLO, HKOEHM, OH2VY/OHO (CW) SVOAP Crete, TL8WH (CW), T3AC, VK9ZG, W1DDv/C6A, W5JMM/SU, ZK1CF, zE's, 3B8FA, 5NOMAS, 5H3FW, 6OODX, 9M8PW.

10 also was good but rather patchy with Africa, Central and South America together with the Pacific area being the most heard areas.

Con't...

DX NOTES CON'T.QSL Information

C5ACO	via	W2TK	XT2AU	via	WA1ZEZ
C31MK	via	EA3WZ	ZD9GH	via	ZS6UD
DK1DA/3B8	via	DK1DA	OA4AWD	via	VE2AQS
FB8ZO	via	F6EYB	ZK1CF	via	ZL2AQF
HH2VP	via	N4XR	T3AC	via	W5RBO
TL8WH	via	W5RU	3B9ZV	via	ZL1BIL
SVOAP	via	WB7NCF	5H3FW	via	DF4TA
VKOKH	via	VK5WV	5NOMAS	via	JR1SSH
UA1PAL	via	UA1OSM	8P6JA	via	VE3IUE
VK9ZG	via	VK3OT	9M8PW	via	G4DXC
		9G1AP	via IOLCJ		
600DX	via	I2YAE, Giorgia C. Brogini, via Roma 1 Ispra VA21027, Italy			

If anyone could help me with the QSL info for VKODB it would be greatly appreciated

73 Col VK7LZ

ATTENTION!

Any Member OR Ex Member of the A.R.A. or Army Reserve
interested in joining a society or club on the air
please Contact:-

LES HARPER, VK7NHA

6 KATHRYN COURT

RAVENSWOOD....TAS...7250

SCENE & HEARD. BY "EARWIG"

Following from last month's notes about logging Radio Vanuavatu just after the bombing of their studios, several DXers came across a clandestine station calling itself Radio Vemarana. It was located on the island of Espiritu Santo and operated on 3522 Khz within the amateur band and was transmitting on the upper side of its carrier. The programme content consisted of pop music interspersed with commentaries against the Vanuavatu Government and the two colonial powers who jointly administered the New Hebrides until July 30th when it became a Republic. When I first observed it on July 22nd at 1034z, the programmes were in English. However, Arthur Cushen in Invercargill (N.Z.) heard it as early as 0730z in French. The station continued to broadcast even after the joint Anglo-French troops moved in to restore authority before the Independence Date. Signals have only been copied rarely due to the low power of the transmitter. However, its programmes were continuing to have some effect as evidenced by Press reports of the Vila Government calling for the Joint Forces to seize the transmitter and arrest the originators. Since the troops from P.N.G. took over from the Anglo-French troops on August 17th, nothing has been heard.

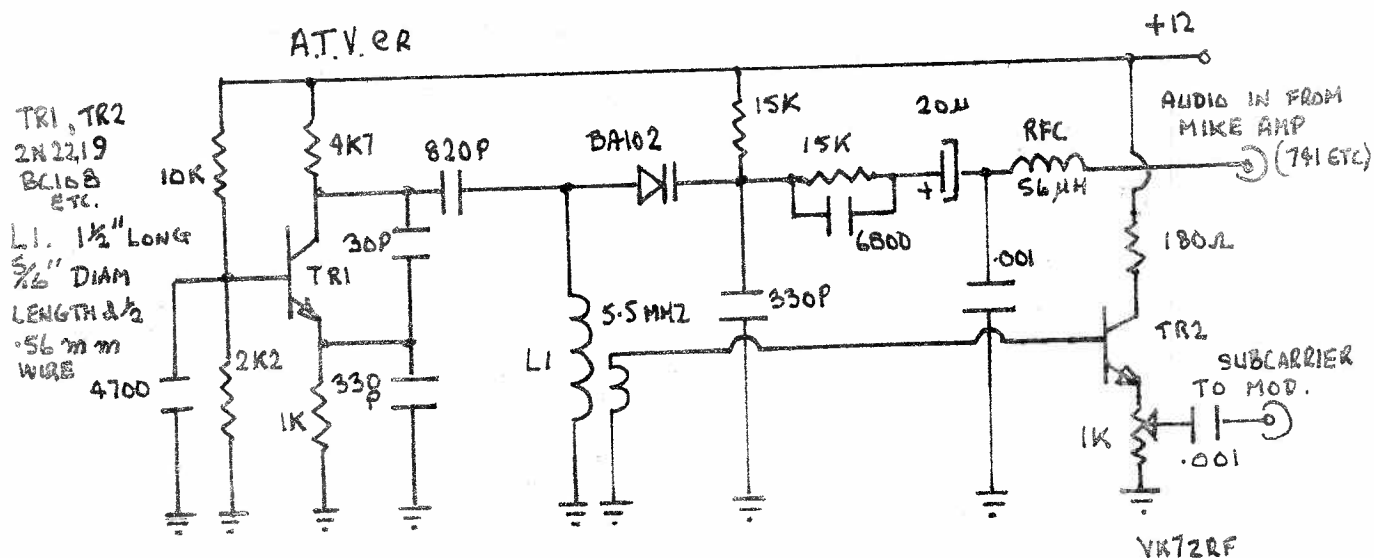
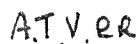
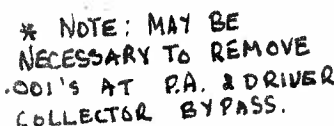
Vanuavatu has also been activated as an amateur country by Steve, VK30T and a party of JA dxers who donated the equipment to the Vila hams to put YJ8IND on the air. Steve, YJ8SE is heard most nights on 80 metres working a string of novices. His other call is VK4SE.

The Olympics have come and gone. Radio Moscow gave it extensive coverage particularly on their North American Service because of the few reports of the Games by the American networks or so they say. Also noted in the July 1980 issue of 73, that the number of Special prefix stations within the USSR, was reduced or curtailed after Stateside stations told them that the U.S. was boycotting the Games. Puzzled the Russians asked why, and the answer came because of the Soviet invasion of Afghanistan. Many UA stations broke in expressing surprise and frustration because they had not been told on their media about it. Hence the reduced activity, say the Americans. Personally, I think it is politicizing Amateur Radio and not in the spirit of it.

Incidentally HCJB will be dividing their programmes to the South Pacific from 0800 to 0930z. 6130 and 11900 Khz will carry separate programmes to 9745 Khz which means the DX Partyline at 0900 Mon., Thurs., and Sat., will be on 9746khz.

Information for this month's column has come from the DX Post, 73 Magazine as well as the loggings of several SWL Dxers in Launceston. If you have any news or loggings, drop them to me via P.O. Box 275, Launceston TAS. 7250 by Sept. 13th.

73's DE "EARWIG"



HISTORICAL SECTIONPart 2 OF THE HISTORY OF THE CAPACITOR.

You will remember, last month, we told how the German VON KLEIST, discovered the Condenser (Capacitor).

The principle of the condenser was discovered in 1745 when VON KLEIST filled a FLORENCE FLASK with water, corked the flask, drove a nail through the cork into the water, and held the flask in his hand - the water forming one conductor - the glass wall of the flask the Dielectric and his hand the other conductor.

When the nail head was presented to the prime conductor of a Frictional Electric machine, this crude condenser became charged, and when VON KLEIST touched the Nail with his other hand he was uncomfortably surprised to receive a smart shock as the Condenser discharged through his body.

Next month I will tell you how BENJAMIN FRANKLIN became involved in the whole deal and this certainly makes fascinating reading. So next time you switch on your Grey Box, spare a thought to guys like VON KLEIST, CUNEAS, BENJAMIN FRANKLIN, and a frightfully delightful gentleman by the name of MR. GREENLEAF WHITTIER PICKARD, and then finally the W.S.A Company who made the first MICA CONDENSER.

Until next month then, here's hoping you do not come in contact with Brass Chain dangling inside your LEYDEN JAR.

VY 73 Jim

STATE COUNCIL NOTES

The July meeting was, in fact, held in early August as the on-air meeting didn't eventuate. Apologies from VK7PA and VK7KK. Much of the time was occupied in discussing North-West Branch dissatisfaction - problems with written communications, standing of council officers, unfinancial members rebroadcast approvals, and documentation of subscription refunds.

Permission has been obtained from P & T for the use of the portable repeater for WICEN use and for the Northern Branch to conduct an evening broadcast.

A reminder that we have \$500 to spend on educational purposes. Ideas anyone?

Next Meeting September 20th at VK7XL residence,

ULVERSTONE.

JOINT WIA - P & T MEETING

A meeting between Divisional Council and P & T officers was held on August 15th. P & T were represented by the Superintendent, Mr. H. Melling, and Mr. D. Thorne. This is the first occasion that a Superintendent has attended such a meeting and we certainly thank both these people for making time available for this meeting.

Mr. Melling stated that he welcomed meetings with the WIA, and agreed to participate in such meetings at, say, 3 monthly intervals. Further he was keen to be invited to Branch meetings, or executive meetings when they happened to be in that area.

It was indicated that they were pleased with our present liaison officer arrangement as they preferred to deal with one person for initial verbal discussions. These could then be followed by formal paper work.

Changes to the recently produced handbook were a matter of concern. Council asked if a list of these points could be promulgated in writing. For instance the relaxing of 3rd party privileges meant that permission for WICEN type exercises is no longer required. The superintendent noted however, that they would prefer to be informed about the use of prime sites on such occasions in case interference to essential services should result.

The need to request permission to use WIA sponsored repeaters for special tasks was questioned and this lead to the comment that perhaps some of our requests are a little too restrictive.

The problems of isolated Amateur observers were outlined and it was stated that P & T officers handled this work in areas where the WIA did not offer assistance. P & T are not worried about this aspect at the moment.

Examination sessions are under review and although the situation in Hobart is unlikely to change in the near future, "on call" exams in other centres are likely shortly. When a field officer is in the area he may be able to hold such an examination. A centre is to be established at the Launceston Maritime College and this will be available for Amateur exams.

The shoddy look of the new licence was mentioned, however, it appears this is necessitated by the "over the counter" system.

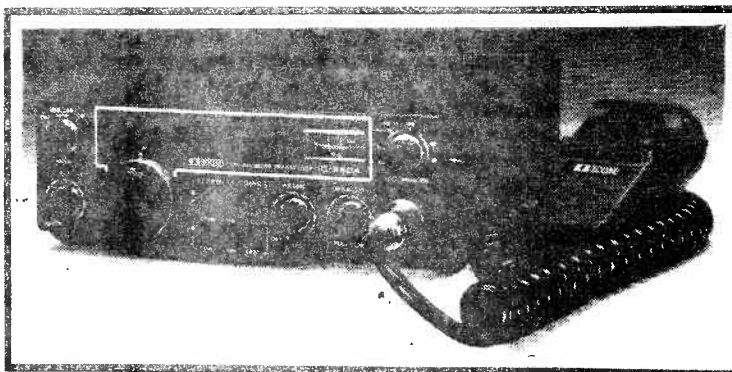
Please if members have problems let your Council members know so that your ideas can be discussed at these meetings. We are most fortunate to have this avenue available.

R. Emmett VK7KK

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.

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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.

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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.

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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

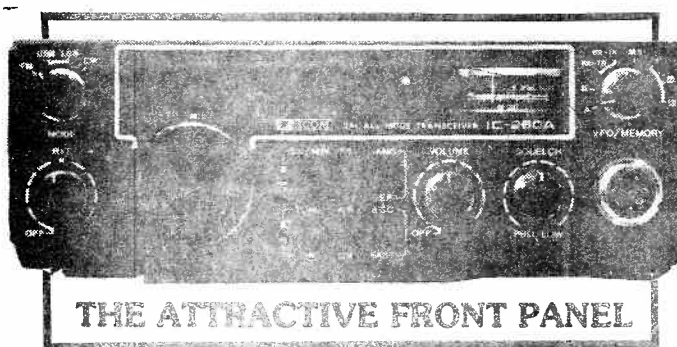
The IC-260A has a built-in Noise Blanker, CW Break-in, CW Monitor, APC, and many other circuits for your convenience. The IC-260A has everything you need to really enjoy VHF operation, in an extremely compact, rugged transceiver. Comes complete with mic, mobile mounting bracket and English manual.

* BACKED BY VICOM

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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 ± 1.5 KHz. Memory channels: 3 channels, any inband frequency programmable. Usable conditions: Temperature: $-10^{\circ}\text{C} - 60^{\circ}\text{C}$ ($14^{\circ}\text{F} - 140^{\circ}\text{F}$) 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, 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 ± 1.2 KHz at -6 dB point. Less than ± 2.4 KHz at -60 dB point. FM More than ± 7.5 KHz at -6 dB point. Audio output power: More than 2W. Audio output impedance: 8 ohms.



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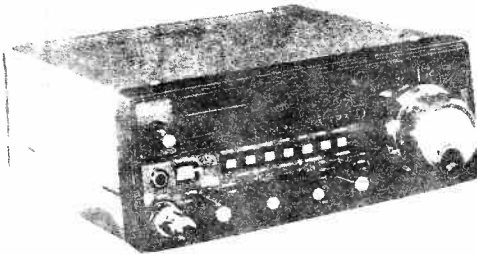
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