

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.*

SEPTEMBER 1979

VOLUME 9 No.6

price 40c



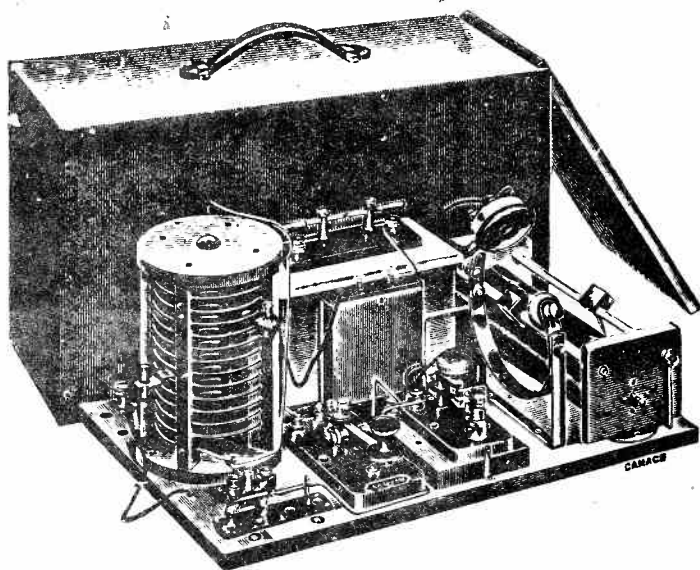
P.O. BOX 275
LAUNCESTON
TAS. - 7250

MEETINGS

Southern Branch - SES Rooms Melville St
Northern Branch - Clubrooms 34 Bourke St
North West Branch - Penguin High School

Sept 5th - 8.00 pm
Sept 14th - 7.45 pm
Sept 11th - 7.30 pm

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EDITORIAL

If QRM is late arriving this month, then the fault lies with those that sent material that arrived on the 21st Aug which was the deadline for copy. This applies to more than half of the articles in this edition so if Branches, Division etc could try to forward material as soon as possible and not leave it till the last minute. It would be very much appreciated.

On to a more constructive note ; Next months QRM will be given over to a detailed agenda, times, maps of venues etc for TARC 79.

Space will be provided naturally for Branch notes and anything of special need.

To all and especially those who have not been able to attend an Amateur convention (Hamfest) then I encourage you to send in your registration. The weekend is mainly a casual get-together for all amateurs, listeners and any interested persons regardless of whether they are members of the WIA or not.

The Convention is the one function of the year that truly reflects all of the different aspects of Amateur Radio and offers something for everyone... Try and attend the whole weekend and include the Sat night dinner/dance, as the social side of the Amateur Fraternity is as important as the technical. The XYL's at least would agree with this sentiment.

In the meantime, anyone who can offer any assistance with the Convention arrangements, please contact the Northern Branch and if you have any surplus equipment, then perhaps you could donate some for use at the TARC auction. If so contact David Bailey VK7YY at home 003 261880 or work 003 311666 (non-metering number).

Back to QRM, if anyone could provide technical articles etc or perhaps write a letter on your favourite grouch, then feel welcome.

Only remember, that if any grouching is directed at the Editor, then I have a whole magazine in which to reply, Hi Hi.

73 till next month

Ken VK7ZKT

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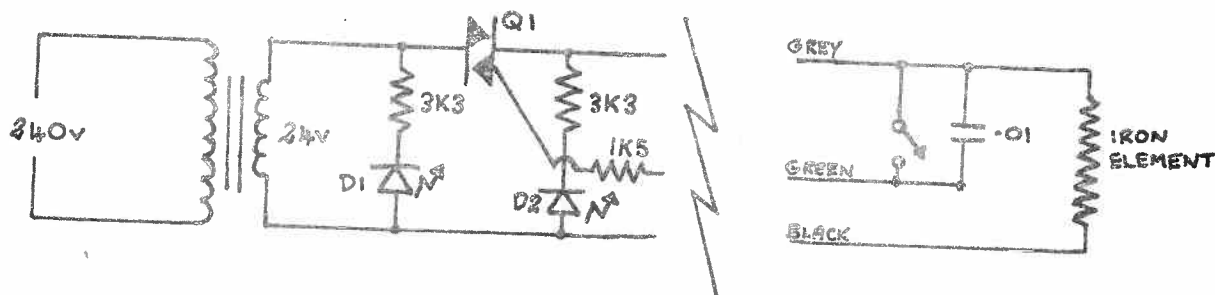
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The Weller W-TCP-1 temperature controlled soldering iron is an excellent iron except for its tendency to burn out switches. This simple modification means that the

This simple modification means that the switch will only carry low current thus making it far more reliable.

The iron is rewired so that the switch controls the gate of a TRIAC that is fitted in the base of the transformer case.

MODIFIED CIRCUIT OF WELLER W-TCP-1



Q1 - any TRIAC rated over 3A eg SC141D or SC151D
D1 - LED shows iron switched on
D2 - LED shows element switched on (heat)

Procedure Remove the base from the transformer and fit TRIAC with mica washer to aluminium base. Drill two holes in front face of case and fit LED's; wire up and reassemble.

ie-earth wire becomes the TRIAC trigger line.

If the old switch has been causing trouble then replace it before carrying out the mod.

Reassemble the iron taking care that the switch has not jammed against the side of the handle as this would naturally cause problems.

NOTE This modification means that the iron tip is now not earthed. This may seem undesirable, especially when dealing with FET's and IC's, but in practice it has proved more reliable than the earthed iron.

NORTHERN BRANCH NOTES

The monthly meeting of the Northern Branch was held at Bourke St on 10th August. There were 23 members present which represents a drop on numbers at previous meetings; perhaps it was the inclement weather. The formalities of the meeting were observed.

The formalities of the meeting were observed and the meeting then heard reports from its office bearers.

Equipment Store David VK7YY reported that QSL stickers were available from the store at \$2.00 per sheet. A second order for 1979 Call Books has been sent but it is not known if this order will be able to be filled from the initial printing of the books. Members are reminded that at the moment David has the store at his home QTH, but as soon as the radio room at the club rooms is painted out, which is probably by the time QRM is posted, then the store moves back to the club rooms.

Librarian Gary spoke on the need for more up to date magazines and reference books. Perhaps members could donate those magazines that are stored on the shack shelf? eg; Ham Radio, VHF Comms etc.

CW Classes Ed VK7HE would like to invite anyone interested to join in the morse class on the air on 28.500 MHz at 8PM on Tuesday and Friday nights. Z calls ; call Ed on 2metres.

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E.T.I. Project 632 VDU. complete with 72 Key Keyboard going \$130.00

AWA MR3B low band FM transceivers \$6.00

Joe Gelston

SOUTHERN BRANCH NOTES

Urgent Notice ; For those who took part in the RD Contest, you have until the 3rd of Sept to have your log sheets in; so unless QRM is late you have 2 days to get them there.

Southerners were saddened at the death of Crosby Walsh on Sat the 11th August. His helpfulness to many, particularly to those who were newcomers to Amateur Radio, will long be remembered.

On a happier note, both Ted Beard VK7EB and Ian Nicholls VK7ZZ are now at home after a sojourn in hospital and are making good use of the convalescent period for catching up on amateur radio.

The six metre beacon has had a short and sad history, parts of it are now back to the drawing board. If at first you do'n't succeed..

Southern Branch now have some CW tapes of various speeds for novice or full call. We also now have a supply of name tags so there is no excuse if you are fined 20cents for not wearing one next meeting.

Mr. Abbott was given a silver bowl at the last meeting in recognition for his services in auditing for the Branch for the last three years.... At this meeting affiliation with SES was also discussed. It has been decided to go ahead with this, provided the agreement meets with the approval of the hon. legal officer.

The next meeting will be held on the 5th Sept. The main topic for discussion will be a report from the Building fund committee on their findings ; ie; to build or not to build.... Come along to have a say.

Following the meeting there will be a short talk on operating procedures and DXing; a must for the newcomer to radio. Mention will be made of the QSL Bureau and how it works-also how to use it... Cont. o/p

There may also be a film on teletype or a videotape on the making of printed circuit boards.; This depends on availability.
 Footnote; This meeting will start at 8.00 PM sharp.....

The recent bingo night was attended by about 40 people; mostly amateurs, and a good time was had by all. Fortunately VK7GD, Graham Johnstone was not feeling well so the organizers made a profit. The next WAGS do at the moment is the square dance to be held on the last weekend in October, the location not finalised yet.

Following this there will be a Wine Bottling BBQ at the home of the Moffats at Ferntree on the 1st December. The wine is already ordered and consists of Brown Brothers Moselle and Port. In view of the popularity of the Port at the previous wine bottling, the amount that is ordered has been substantially increased from the previous time.

Any orders for wine/port may be placed now with Judy on 285807 or with any other WAGS member.

LETTER TO THE EDITOR

The Editor Q.R.M.

In a weak moment I promised our worthy Editor that I would write an article for our magazine, and furthermore that I would endeavour to start an argument. I have always believed that this is the way to find out. So I have selected the Sunday morning Divisional News broadcast. What brought about this was personal experience.

I thought I was doing OK until..... One evening I heard my two old friends VK3OM and VK3ARZ, the originators of the Federal tapes on air, so I called in to say hello. One thing led to another and I finished up playing a segment of one tape back to them, exactly as I do in a Sunday morning broadcast. Imagine my horror when Ron came back and said "That was horrible, what do you think Bill". And Bill replied, "I'll have to agree". So I was back to square one and since then have left no stone unturned to improve my performance.

But what of the broadcast in general. We are all nice fellows and when asked to report, we are not at all critical. However, having received a slap in the eye personally, it has made me more critical generally. The playing of recorded material often leaves something to be desired as it is difficult to arrange levels so that tape and mic levels are balanced... A lot depends on individual voices; and don't bother to tell me about mine, I already know. So I anxiously await my next broadcast to find out the truth and after this lot, criticism won't be difficult to come by.

If I am reasonably successful, I will be pleased to pass on my method, if not then it's back to the drawing board... The method I used previously was taken from an article in QRM. I thought it was okay, but it didn't work for me; Maybe it's not doing so well for the originator either.

So let us all strive for a better quality broadcast. To me it's a challenge and irrespective of criticism I am going to carry on. Someone has to do it and we don't get trampled underfoot with volunteers.

So keep at it boys; which reminds me... how about a lady amateur getting into the roster. It would appear that there are too many old-timers doing the job and there is plenty of room for more younger members to have a go.

Well Ken, how did I make out. You had better hold some space in future for my critics.

73 Readers Max Ives VK7MX

LETTERS TO THE EDITOR

The Editor,
Q.R.M.

Dear Sir,
I would like to submit the following to you for possible use in Q.R.M..

Listening on 10 metres lately, I was lucky enough to hear my first Pakistan station. He was working a very large Japanese dog-pile. To my amazement there were no V.K. novices even trying for him. After listening for a while it finally got the better of me, and I tried a call. What do you know? He came straight back with a 5x9 report. The Q.S.L. information was unusual, just send my name and address and a couple of I.R.C.'s. No Q.S.L. card!

Afterwards I heard from several sources that he must have been an I.R.C. collector. There was no way that I would ever get a card back from him. But what the hell, so I sent off my card, and 4 I.R.C.'s. (He also said that postage was very expensive in Pakistan.).

Eight days later I had to front at the post office to sign for a registered letter. It was from Pakistan, complete with 6 stamps on the front, and 3 on the back of the envelope.

Enclosed was the Q.S.L., and also a letter. Part of which I would like to share. Quote: "Thank you very much for the very nice QSO & QSL. To-day is a biggest days of my life. During the last 18 years of my Ham life I have first time received IRCs from VK. I have never seen a VK IRC anywhere. I still do not believe that the IRCs I received are sent by you! some times I think you are sure some immigrant! Because an Australian man can never send IRC. However I am grateful to you and sending you my QSL. The postage in my country is very very high priced. I am always sending QSL cards direct same day!.....". End quote

~~I'm pleased to say the experts were wrong. Not only did I get the card,~~ but it was the only one I've received by registered mail. It made me happy, as well as my stamp collector friend.

It's not a very nice reputation to have, surely if you want the card enough it doesn't hurt to send a few I.R.C.'s. Of course it usually doesn't take as many as four. Two will get a return from most places. Though I doubt if a dozen would do any good with a Z.S.

VK7NBT. David Bligh



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DO YOU KNOW CAPACITOR CODING ?

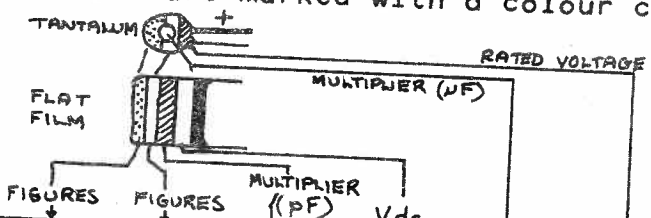
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Capacitance is measured in Farads. This is too large a unit for most uses so various fractions are used; micro-Farad (μF) a millionth of a Farad; nanoFarad (nF) a thousandth of a microFarad and picoFarad (pF) a thousandth of a nanoFarad. So $0.01\mu F$ is equal to 10nF or 10,000pF. (μF ; 10^{-6}) (nF ; 10^{-9}) (pF ; 10^{-12})

Capacitors are marked in all these units, often without indicating which one. Electrolytics and some tantalum capacitors are marked in μF with the working voltage, ceramics in pF and mylar in pF or μF .

Many ceramic and mylar capacitors are marked using the IEC code for capacitors, a system of 3 numbers and a letter giving the value and tolerance of the capacitor. The first two numbers are the significant figures and the third is the number of zeroes following (value in pF). The letter indicates the tolerance; M ; 20% K ; 10% J ; 5% So a 123K is a 12000pF or 12nF or a $0.012\mu F$ capacitor at 10% tolerance

Some of the larger value greencaps are marked in μF (usually $0.1\mu F$ and larger). Smaller ceramics are usually marked in pF. One more method is used to identify capacitors. Some polyester and tantalum capacitors are marked with a colour code similar to resistors.



	FIGURES	FIGURES	MULTIPLIER ((pF))	V _{dc}	MULTIPLIER (μF)	RATED VOLTAGE
BLACK	0	0	1		1	10
BROWN	1	1	1-	1--		1.6
RED	2	2	100	250		4
ORANGE	3	3	1k			40
YELLOW	4	4	10k	400		6.3
GREEN	5	5	100k			16
BLUE	6	6		630		
VIOLET	7	7			10^{-3}	
GREY	8	8	0.01		10^{-2}	25
WHITE	9	9	0.1		10^{-1}	2.5

CAPACITOR COLOUR CODE

DIVISIONAL NOTES

Council Meeting

Matters discussed at recent meetings have included the Draft of the proposed Amateur Advisory Council constitution, rules for the Tasmanian Devil Award, problems of VKØ participation in the RD contest and Branch By-Law regulations.

A letter is to be sent to the Federal Contest Manager concerning changes to the RD Contest rules.

Next Council Meetings

(Tentative) VK7ZZ QTH 15th September 2PM

On Air 3593 KHz Monday 3rd September 8PM

MOBILE TALK-THRU REPEATER

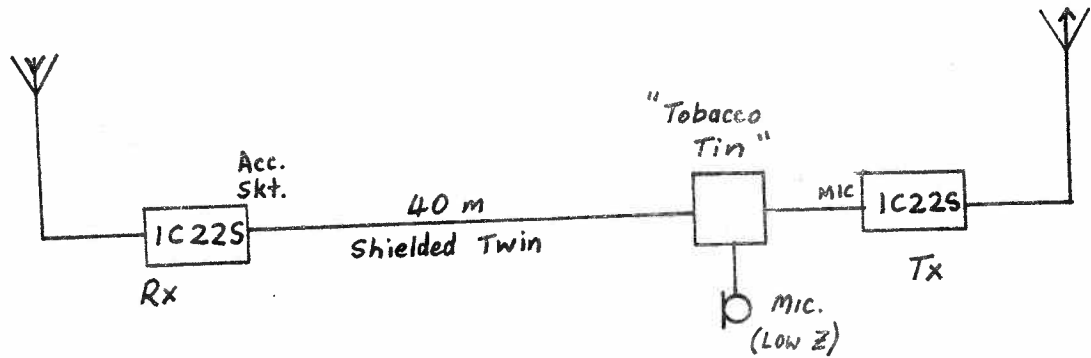


Fig. 1 Block Diagram of Mobile Repeater

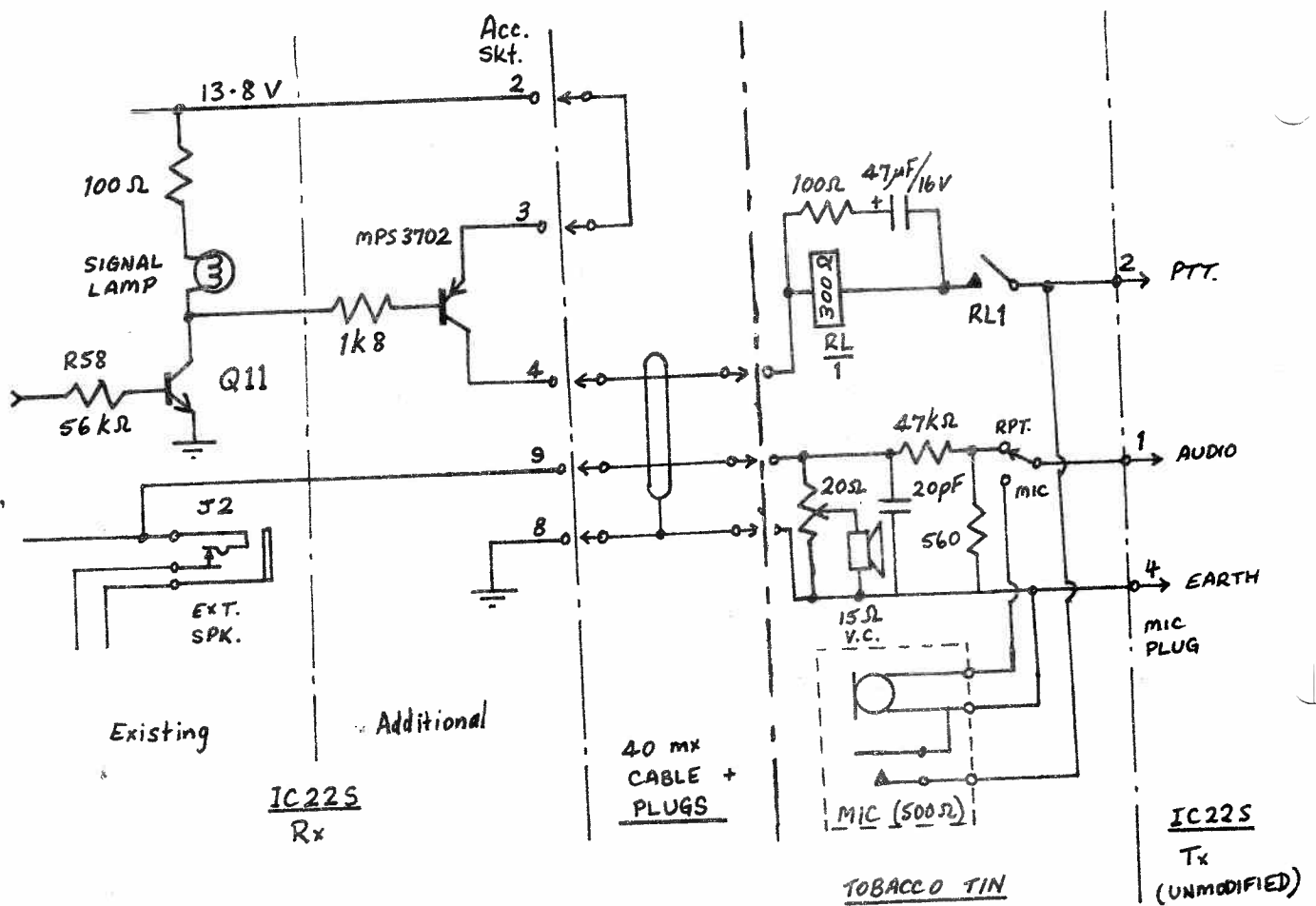


Fig. 2. PATCH CIRCUITRY AND IC22S MODIFICATIONS

by Andrew Boon VK7AW

Partly as an interesting technical exercise and partly to fulfill a possible WICEN requirement for a portable 146 MHz repeater, it was decided to attempt to connect together two IC22S transceivers. This short article details the experiments conducted and also describes the modifications and extra circuitry necessary to link the two transceivers.

The spectrum of the IC22S TX output was examined and found to be extremely clean in the region ± 2 MHz of the carrier (and elsewhere of course); nothing higher than 70 dB below carrier. The receiver was an unknown quantity and a field test was carried out to determine its suitability. Two vehicles each fitted with a IC22S, were driven to a location in Lenah Valley from where Rep 8, Mt Barrow, could just be worked. One of the vehicles moved away whilst transmitting, until the repeated signal received in the second vehicle was indistinguishable from the repeater identification signal. At that point the separation between the vehicles was 40 metres.

From this simple test, it was concluded that 40 metres is the minimum separation required to reduce any de-sensitization to a negligible level, for a 10 Watt TX, 600 KHz removed, using quarter wave whips in the centre of the roof of each vehicle and at the same horizontal level. With this information, the interconnection details were finalised and the block diagram and cct are shown in figure 1 and 2 respectively.

CIRCUIT DESCRIPTION

The TX keying information is derived from the signal lamp of the IC22S receiver. The collector voltage of Q11 goes low (about 1.5V) when the mute opens, either due to a received signal or to the squelch adjustment. If the accessory plug is in place, the MPS3702 turns on and operates relay RL in the tobacco tin (rectangular variety ex VK7BJ). Contact RL1 then applies an earth to the PTT line of the transmitting IC22S, bringing on the transmitter.

Audio from the receiving IC22S is obtained from the ext spkr socket. Following a monitor speaker, a 38 dB pad reduces the audio level to that suitable for the Mic input of the TX (about 5 mV rms) with the receiver volume control set to the first scale division. A switch on the tobacco tin allows either received audio or a local microphone to be selected. (eg ; for manual identification of the relaying station)

When the received signal ceases, the collector of Q11 goes high, MPS3702 turns off and relay RL releases after about 0.5 sec; the relay is held on by the 100 ohm/470 uF network, to provide a noise tail.

PERFORMANCE

The cct as described has been tested in the field on several occasions and was found to perform extremely well, down to minimum usable signal levels. De-sensitization is undetectable; this has been checked by switching the repeater transmitter off when a weak signal is received; no change was detected in the amount of noise on the incoming signal. The repeater has also been used to provide a re-broadcast from repeater 8 input frequency (146.4 MHz) to repeater 2 input frequency (146.1 MHz). This was not a very stringent test though, as although the spacing was only 300 KHz, a TX power of 1 Watt was used and the input signal level was very high. Separation between the two vehicles was in this case only about 20 metres.

It would be possible to use other types of transceivers for this application; each pair would have to be tested for minimum separation between sets and a patch system designed for the type of set used to allow for variations in mic sockets, audio levels etc. The IC22S is however, very suitable, because of the large number of frequencies that are available and also its reverse repeater facility.

Many thanks to Harvey, VK7HK, for his enthusiasm and assistance.

Andrew Boon VK7AW
VK7 WICEN Co-ordinator

SCENE and HEARD

For the past month, I have been observing the Radio scene here in Europe. The spectrum here is quite crowded, with numerous stations broadcasting in a multitude of languages and dialects. Broadcasting in Europe is largely used as a political tool in a propaganda war.

Every available frequency is in use almost constantly and there are pressures to shift low priority traffic onto VHF or UHF and even to co-axial cable direct to the listener. The WARC conference in Geneva will radically alter the spectrum and the main casualty will be Amateur Radio and especially in the HF bands.

Utilization of SSB and narrow band FM for broadcasting, will increase for the developed countries but the A3 mode will remain for the poorer countries for some time. The USSR is under heavy pressure to remove its "Woodpecker" (OTHB Radar) although it denies it exists. Vietnam, along with China and the Gulf States have been warned to stop violating the agreement on frequency allocation, as these countries are the worst offenders for frequency spectrum violations.

The use of FM here is also more widespread than in Australia. Many Cities have up to four or five separate programs simultaneously. In Venice I counted over 20 stations and there was severe cross-mod problems. In Berlin there are about 14 stations, allowing for the East and West Germans with their different ideologies and also stations for British, American and French interests. In Eastern Europe the FM band is different to that in the West; from 66-73 MHz except in East Germany, where the standard 88-108 MHz is used.

In all countries, the Broadcasting service is controlled with the exception of Italy, where "Rafferty's" rules seem to apply. Due to a successful Court case the State monopoly on Broadcasting and TV was broken. The situation is naturally very confused although most of the battles are in the FM band and TV. The State radio still continues in the medium frequency spectrum. The Italian government is rather unstable at the moment and seems powerless to act. This is reflected in the piracy in the Amateur bands.

Thats all till next month

.....73 de Earwig.....

NORTH WEST NOTES

by Jim VK7NOW

The usual monthly meeting was held at the new Club headquarters on 14th August when we had another good attendance despite bad weather conditions. More than 40 attended.

Business The QSL officer Don VK7NDP, made the new QSL stamps available to those requiring them.

The treasurer, Ivan VK7ZOA bought the meeting up to date with the current financial standing of the branch.

The Chairman gave a discussion on reserve funds and said that fund raising activities were going along extremely well.

Membership Application Received from Mr. Athol Robertson of 14 Hull St Burnie. Unanimously accepted.

Affiliation application Received from Dial Regional Radio Club. It was decided to write to the club giving all necessary details.

Activities Vince VK7NVH is getting the H.F. group under way and is seeking help from some members.

VHF Group Not much activity as yet. Lionel Bird has agreed to get this group moving and would like to combine the ATV group with the VHF group.

(cont next page)

Beacon and Repeater Tony VK7AX, advised the meeting of activity and operation etc. He asked for some help from other members to assist with the maintenance of these units.

QSL Info Don VK7NDP, advised that the bureau was operating very smoothly and the new stamps were available at \$2.00 per sheet.

Micro-Processor Group Steve advised that progress was satisfactory. The next meeting is to be held on 19th August and every two weeks after that.

J.O.T.A. Is to be held in October. Mr. Allan Wood and Mr. Robin Mackrill are planning a camp at Paton Park. The older scouts plan to stay up all night making contacts. Terry, VK7TT has offered to man the station at Sheffield.

Raffle The prize for the next raffle in aid of the Equipment Fund, will be a Clock Module donated by VK Electronics.

R.D. Contest Brian VK7NBH, advised that the club station VK7NW was quite active during the RD and much experience was gained.

N.A.S.A. Film Presented at the conclusion of the meeting a film in colour dealing with the testing of Oscar 7. The film was sent to Jim VK7NOW by W6-BFO who is a Technician employed by NASA. Jesse asked that as many amateurs as possible are able to see the film so it has now been forwarded on to the Northern Branch and then on to the South. After this it will be sent to ZL.

The meeting concluded with supper served in the modern kitchen.
(Note to members ; If possible would you pls bring a small plate of something in order to prevent shortages.)

.....

WICEN NOTES

A meeting took place in Hobart on Aug 15th between WICEN reps and members of the Police. WICEN was represented by VK7AW, VK7HK and VK7SS while Inspector Massie, head of the Search and Rescue unit with Inspector Haas, head of the Comms section represented the Police. The meeting was convened by the P&T Dept and Messers Melling and Thorne attended from that department.

The meeting began with a talk by VK7AW briefly describing amateur radio, including the type of equipment used, the frequencies available and the qualifications required by licencees.

This was followed by a demonstration using a portable HF and VHF station. The antenna used was a piece of hook up wire out the window and down a couple of floors to a fence.

The Police seemed quite impressed with the demonstration with VK7's WA, KH/M (Burnie) MX (Dport) KJ (Ouse) and GV (Taroona) were contacted on 7 MHz. A VK5 and a ZL station were also contacted. To round off the demonstration VK7KJ was worked via Repeater 2, using a 1 Watt TX at Ouse and a 1 Watt hand held in Hobart.

As a result of the meeting, WICEN is to be invited to participate in a Search and Rescue exercise in the near future. We will also be installing an HF dipole at Police HQ in Hobart.

All those WICEN members in Hobart who have volunteered for duty are asked to be on air at 2000 hours on the 3rd Wednesday of each month. The frequencies initially will be 28.570 MHz SSB and Repeater 2.

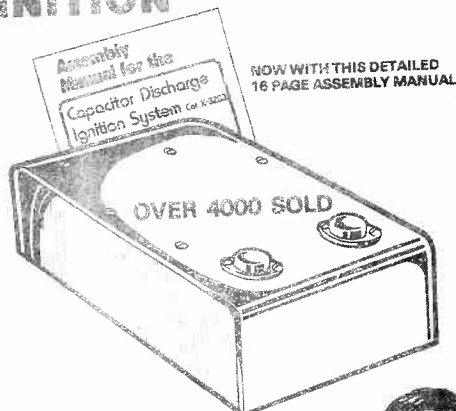
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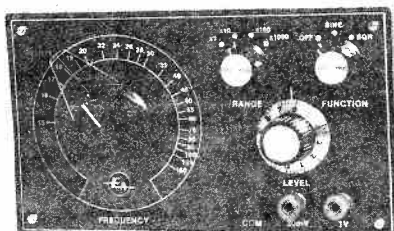
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SEE E.A. JUNE 1978

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All parts supplied, including specially printed front panel, attractive Zippy case and full instructions. S-3006 9V battery 45c extra

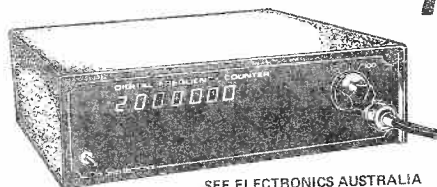
Cat. K-3489 ★ \$32.00



7 DIGIT FREQUENCY METER

COUNTS TO 40MHz — or to 200MHz

DESIGNED BY LEO SIMPSON OF ELECTRONICS AUSTRALIA



SEE ELECTRONICS AUSTRALIA AUGUST 1978

All new 7 digit 40MHz frequency meter from Electronics Australia. Can be run from 12V DC mobile supply. Has built-in 240V mains power supply for use in workshop. Has rugged drilled case with black mariplate cover and special silk screen printed perspex front panel (like the original). Readouts are rugged light emitting diodes for long trouble free service. Has a built-in quartz crystal time-base circuit for incredible accuracy. Kit is supplied for operation up to 40MHz — you only need to add one IC at any time to convert your 40MHz kit to 200MHz. Full instructions supplied.

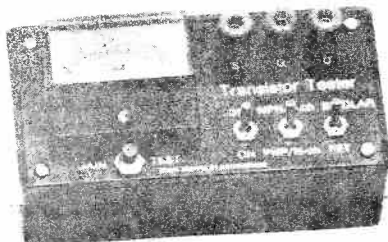
Cat. K-3437 ★ \$99.50

EASY LOW COST CONVERSION TO 200MHz All you do is add a 95H90 IC (Cat. Z-5360) at just \$12.50 and you turn your 40MHz DFM into a 200MHz DFM. No other parts to buy. For a total of just \$112.00 you have a 7 digit 200MHz frequency meter.

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Speed fault finding!



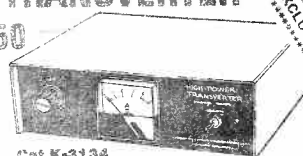
Not just another Transistor Tester! This one tests bipolar transistors, diodes, F.E.T.'s and even S.C.R.'s and P.U.T.'s. This practical low-cost test instrument is simple enough to be built by a beginner and then provide him with a valuable piece of test equipment. You can get experience in building, then use it to learn about the operation of semiconductors, or use it for more serious checking. Ideal for the beginner and serviceman alike, or in schools. Battery operated and supplied with one of our new 50mm meters in a deluxe 'Zippy' case. S-3006 9V battery 45c extra

Cat. K-3052 ★ \$19.75
SEE E.A. JULY 1978

NOVICE TRANSVERTER

\$89⁵⁰

HIGH POWER



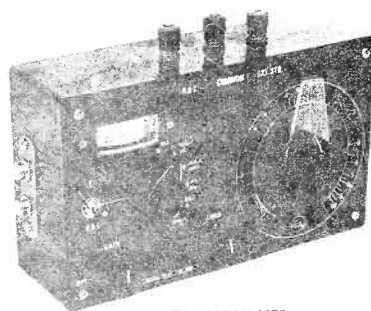
Cat K-3134

The cheapest way for a novice to get going on 80m. Use your old CB radio and convert it up to 80m. Maximum power output is 10W on AM, 30W PEP on SSB. Surprisingly easy to build — about 4 hours work. Fibreglass PCB is standard to make it easy for you. Supplied with a 23.570MHz xtal which allows the following transversions:

3.535MHz — 27.105MHz
3.645MHz — 27.115MHz
3.655MHz — 27.125MHz
3.565MHz — 27.135MHz

Measure unknown components

R-L-C BRIDGE

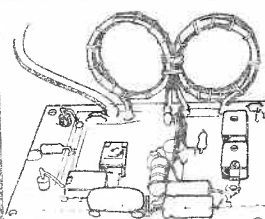


SEE E.A. MARCH 1978

Check the values of new and used components and determine the actual value of wide tolerance capacitors such as electrolytics and ceramics. Ten ranges include measurements from 10 ohms to 10 megohms and from 10 picofarads to 10 microfarads... plus inductive measurements down to a few hundred micro-henrys. The tried and proven Resistor, Inductance, Capacity bridge is a handy, easy-to-use piece of test equipment. Runs from 9V battery supply. Complete kit of parts include specially printed front panel. S-3006 9V battery 45c extra

Cat. K-3468 ★ \$34.50

2 METRE AMPLIFIER



Cat. K-3192

45 WATTS
ONLY \$29⁵⁰

Yes! A fantastic 2 metre amplifier kit of the simplest construction. Uses the 2N6084 transistor to give 45 watts out from 8-12W drive. Runs from 13.8V. complete kit includes detailed instructions.

Nearest box 'to-buys' and 'print' the amplifier. Cat H-2206 \$6.00

NEW!

2 METRE CONVERTER

This simple, low cost 2m converter employs the latest design techniques and components to produce a highly sensitive, low noise converter of exceptional stability. Covers the full 144-148MHz band with an IF of between 26 & 30MHz (suitable for use with any receiver such as the P67. Highly suited to OSCAR operation.

Cat K-3492 \$24.50

AROUND THE BANDS

13

Several DXpeditions taking advantage of the Northern summer, made their appearance over the last five weeks; amongst these were.....

From Europe ; OJØMA from Market Reef, QSL to OHØNA. W4MAT/SV9 Crete, QSL to his home station W4MAT (note; QTH is only correct in the 79 American call book). W2TDQ/SV9 also operated from Crete on both SSB and CW. Carl even QSO'd VK7DK, something no other Cretean station has ever done before. The QSL address of this one is okay in the U.S. call book. Carl is going to operate from the Dodecanese Islands after he leaves Crete.

Also in the same area was SV1IW, SV1JG and SV1DG, operating from Mt. Athos. This was a real 'tough un', first because of this country's high listing in the DXCC wanted list and secondly because it was mainly a W only operation. QSL's go to PO Box 161, Athens, Greece.

Still from Europe, a German expedition on the Isle of Sark which is one of the Guernsey Islands, operated two stations GU5CXF and GU5CXJ. These were heard here only on 21 MHz SSB. They gave their QSL info as via DF3HN.

Although not an expedition, another good catch was M1C San Marino, who was very active on 14 MHz CW.

From North America ; VE4CF/1 put Sable Island on the air and he was heard here on both SSB and CW on 7, 14 and 21 MHz. This station went out of his way to give the VK's and ZL's a QSO. The QSL info is ; 30 Mackie Bay, Winnipeg, Manitoba, R2Y1V7.

XF4EH, XF4IW and XF4J were pretty active from Rivilla Sigedo Is., off the West coast of Mexico. Here again both CW and SSB were used. QSL to XE1JM for a card from XF4J and for XF4IX and XF4EH, post your cards to ; Jose Cordero, Safiro 2815, Resid Victoria, AP - 1 - 30, Guadalajara Jal. Mexico.

4U1UN, the United Nations station in New York is now operating CW on the 14 MHz band. QSL to W2MZV for a quick return.

Nearer home, ZK1MB is at present offering Manahiki Island to all comers 28 MHz to 1.8 MHz CW and SSB. Send your card to ; PO Box 41-066 St. Lukes, Auckland 3 New Zealand.

If you have managed to work all these you should be very happy and there were also plenty of others for the taking.

.....

HAMADS

FOR SALE One TS120V \$450.00

One TS120S \$650.00

VK7VJ V Jensen 35 Windsor St. Kingston Beach
.....

FOR SALE One FT221 as new What Offer ?

VK7RR Brian Morgan Ph. 287575 (002)

WANTED One (1) Windmill with head and pump (vaness optional)
Preferably able to be dismantled for transport. Also
a Wind generator ; Tower (any height) and a
combustion stove Andrew Dixon VK7AJ QTHR
.....

This award is created to interest Australian and overseas amateurs in contacting reasonably rare VK7's.

Tasmania, the island state of Australia, has many unique features. The "Devil" award is named after one of these.

To Qualify You may qualify in any one of the following sections;

Sections

- 1) H.F. (a) OPEN - by the use of any combination (3.5 - 30 MHz) and modes available to applicant.
(b) One band - of those available
(c) One mode - of those available
(d) All Novice - contacts with VK7N calls only
- 2) VHF (a) One band - of those available
(b) Open - by the use of any combination of bands (above 30 MHz) and modes available to applicant.
(c) Satellite - contacts via amateur satellites
Cross band to HF allowed if permitted under license terms.

Claims

H.F. Applicants must establish two way contact with a number of VK7 amateurs. The number required depends on the applicants location.

- (a) Oceania, Antarctica - 50 contacts
- (b) Asia, North America - 25 contacts
- (c) Europe, Sth America - 15 contacts
- (d) Africa - 10 contacts

V.H.F.

Applicants to contact 30 VK7 amateurs with at least one station in each of the three W.I.A. Branch areas.

Verification

Claim logs to show station contacted, date, time, band and mode. The claim to be signed by the applicant and counter-signed by two other amateurs. Spot checks will be made with contacted stations in VK7 for confirmation....QSL's will not be required....

This DRAFT is for comment. Major changes are not anticipated, but constructive comments on something we may have overlooked will be welcome. The certificate has as yet not been designed but it will feature the Tasmanian Devil. Comments can be passed on to any member of Divisional Council. Naturally there will be a charge on the issue of certificates to cover costs.

TASMANIAN AMATEUR RADIO CONVENTION 15

- * See the latest in Amateur transceivers, accessories, home computers, test equipment etc;
- * Operating equipment - all bands, all modes; ATV ; RTTY
- * Competitions - homebrew equipment; new style fox hunts
- * Workshops and seminars on new techniques including demonstrations of home computers and the latest in transceivers
- * Plenty of activities for all the family
- * Meet and chat with those you have'nt seen since last year or perhaps only spoken to on air.

REGISTRATION FORM

Tasmanian Amateur Radio Convention (otherwise known as Hamfest) to be held at the Alanvale College in Launceston on 17th-18th November.

I wish to advise that the following will be attending for the

(a) Whole weekend

(b) Sunday only

NAME
(Surname) (Christian Names)

NAME OF ACCOMPANYING ADULTS

CHILDREN : NAME.....AGE.....
.....AGE.....
.....AGE.....

RATES : WHOLE WEEKEND \$19.50 FAMILY
\$10.00 SINGLE
SUNDAY ONLY \$6.00 FAMILY
\$4.00 SINGLE

NOTE Whole weekend cost includes Saturday evening meal with drinks and lunch on Sunday.

I ENCLOSE CHEQUE FOR.....

ACCOMODATION If assistance with accomodation is required please
contact Brian Yeoman VK7ZBY Work...918288
Home...441466
or Ed Hewens VK7HE Work...329242
Home...391863

PLEASE REGISTER BEFORE OCTOBER 21st

REGISTRATIONS TO..... SECRETARY W.I.A.
P.O. Box 275
Launceston TAS 7250

PHONE 35 1159
AFTER HOURS ONLY
(VK7NBB)

VK ELECTRONICS
57 WEST PARK GROVE BURNIE 7320

PHONE 31 1708
(VK7ZNS / NNS)

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24 HR DIGITAL CLOCK MODULE	\$7.00
40 MHZ FREQUENCY COUNTER KITSET	\$99.50
LEADER LDM-815 G.D.O.	\$89
1979 U.S. AND FOREIGN CALL BOOKS	\$20
H2744 ECON. INSTRUMENT CASE 16 X 7 X 17 CM.	\$5.00
PRINTED BOARD MIN. DRILL	\$15.95
UR67 COAX H.D. LOW LOSS 50Ω	\$1.35 M.
300 PCE 0.25W RESISTOR PACK	\$5.90
60 PCE GREENCAP CAPACITOR PACK	\$6.50
60 PCE ELECTROLYTIC CAP. PACK	\$6.50
M2000 TRANSFORMER 18V 6A 'VK POWERMATE'	\$18.50

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IC22S 2M FM MOBILE PLL WITH } \$299 *
13.8V REG. PWR. SUPPLY INCLUDED
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LEADER LSG-16 SIGNAL
GENERATOR 100KHZ - 100MHZ \$120

KENWOOD

TS120S H.F. TRANSCEIVER	\$760
TS120V H.F. TRANSCEIVER	\$579
AT120 ANT. TUNER	\$120
AT200 ANT TUNER	\$185
R-300 RECEIVER 170KHZ - 30MHZ	\$279
TR7600 2M FM DIGITAL	\$399

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