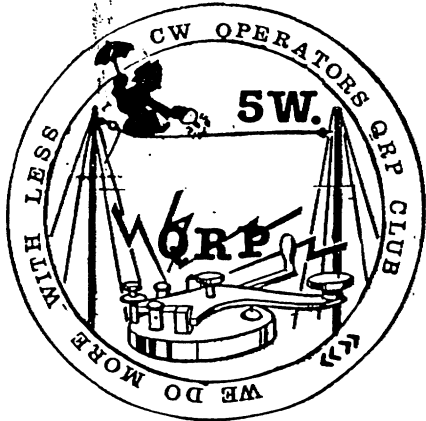




# LO·KEY



## NEWS BULLETIN OF



PUBLISHED  
QUARTERLY

# CONTENTS

PAGE 2.....	INFORMATION CENTRE
PAGE 3.....	STATE NEWS
PAGE 4.....	DX MEMBERS PAGE
PAGE 5.....	CLUB BUSINESS
PAGE 6.....	NEW MEMBERS/LOGOS
PAGE 7.....	PRACTICAL QRPING
PAGE 8.....	PRACTICAL QRPING
PAGE 9.....	FROM LENNY'S NOTEBOOK
PAGE 10.....	CONTEST... VK VERSUS THE WORLD
PAGE 11.....	A LETTER FROM THE ORGANISER
PAGE 12.....	BITS 'N PIECES
PAGE 13.....	CLUB ACTIVITIES
PAGE 14.....	CLUB SCOREBOARD

“ WE DO MORE WITH LESS ! ”

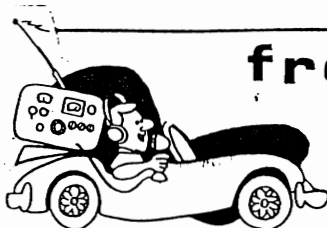




# Information centre

CW OPERATORS QRP CLUB 33 Lucas Street, Richmond 5033, S.A., Aust.  
TREASURER/SECRETARY Len O'Donnell VK5ZF As Above  
BULLETIN EDITOR Len O'Donnell VK5ZF As Above  
ASSISTANT BULLETIN EDITOR Kevin Zietz VK5AKZ 41 Tobruk Ave,  
St. Marys, 5042 S. A. Australia.  
ORGANISER Len O'Donnell VK5ZF (Phone No. 08 439194) As Above  
AWARDS/CONTEST MANAGER Col Stevenson VK2VVA P. O. Box 109,  
Mt. Druitt, 2770 N.S.W., Australia  
PUBLIC RELATIONS MANAGER Rai Taylor, 25 12th. Ave., West Moonah,  
7009. Tasmania, Australia.  
SCORE BOARD MANAGER Leith Cotton VK5IG 64 Weroona Ave.,  
Parkholme 5043 S.A. Australia.  
TECHNICAL EDITOR Len O'Donnell VK5ZF As Above  
WQF DELEGATE Len O'Donnell VK5ZF As Above  
STATE CO-ORDINATORS.  
VK1 Len O'Donnell VK5ZF As Above  
VK2 Brian Halpin VK2BVH 5 Carramar Cres., Miranda 2228, N.S.W.  
VK3 Neil Emeny VK3PGE 1 Beaumont Crt., Montrose, Vic. 3765  
VK4 Paul Newman VK4APN 22 Hammersley Circuit, Alexandra Hills,  
4161. Brisbane, Queensland.  
VK5 Len O'Donnell VK5ZF As Above  
VK6 Len O'Donnell VK5ZF As Above  
VK7 Rai Taylor VK7VV 25 12th Ave., West Moonah 7009,  
Tasmania.  
VK8 Len O'Donnell VK5ZF As Above  
DX Len O'Donnell VK5ZF As Above  
MEMBERSHIP Is open to all Amateurs and Short Wave Listeners in all  
Countries. (\$A9, DX a/mail \$A12.  
ANNUAL MEMBERSHIP FEE VK \$8, ZL s/mail \$A9, ZL a/mail \$A10, DX s/mail  
CLUB CALLING FREQUENCIES 3530, 7025, 14050, 21130, 28125. khz  
INTERNATIONAL CALLING FREQUENCIES 3560, 7030, 14060, 21060, 28060 khz  
CLUB CW QRP ACTIVITY Tues. nights 0930Z 3530 khz  
CLUB INFORMATION NET CANCELLED  
QUARTERLY NEWS BULLETIN Issued March, June, Sept., Dec.

# STATE NEWS



# from your roving reporter

VK1 AUSTRALIAN CAPITOL TERRITORY....No more new members as yet. Still waiting for reply to my letter.

\*\*\*\*

VK2 NEW SOUTH WALES....We have our first SWL joining our group. I am sure you all welcome Claude WIA-I20944, Club member no. 51, and hope that he will soon become a transmitting member. Claude copies CW, so I am hoping to get some reports from him, on what he is hearing. Congradulations are in order for Arch, who is now VK2JAC (formerly VK2NPN). Now that studies are over, I will be looking forward to hearing you on the air. I am very happy for you OM.

VK3 VICTORIA....

\*\*\*\*

I was minding my own business one Saturday morning about six weeks ago, when I get a ring on the twisted pair. It was from John VK3PEX, Member no. 12 and he is out in the middle of Bass Straight on an oil rig, as Radio traffic controller. Do you think that this bloke is not very busy. We had quite a chat in between traffic calls, for about an hour and believe me, John is a very interesting guy to yarn to. At the moment he is on the look out for a little CW QRP rig with approx 1 - 3W output, covering 3.5mhz and/or other freqs. If you can help John, please get in touch with him at his home QTH by mail. It was great to see that 198 pts on the club scoreboard Neil VK3PGE and you are to be congradulated for your efforts, particularly those ZL contacts on 3.5 mhz. Only hope that some of the other members take up the challenge, and give you a run for your money.

\*\*\*\*

VK4 QUEENSLAND.... Things in the Sunshine State seem very quiet, and I have heard very little on my grape vine, so how about dropping a line to your Roving reporter.

VK5 SOUTH AUSTRALIA....

\*\*\*\*

The best State of course (that should stir something up). It was great to get three new members from Port Pirie and Clare, just the right distance from Adelaide for some extra low QRPp work. I will be up on the 3.5 mhz band, looking for you guys in the next week or two. A lot more operating and a lot less paper work for me in the future. I am asking all Adelaide members to get in touch with me by phone, with regard to forming a local net to see if we can get members interested in QRP activities. A time and frequency need to be arranged. With regard to our VK5 Country members, I will be writing to them with a view to their reactions to a VK5 net, and in which way they can become more involved. I am also looking for a VK5 member to volunteer for the job of VK5 State Co-ordinator, as with all of the other positions I am acting in, I can not put in the time needed to do the job well. How about it, can I count on one of you for some help. Another matter I want to discuss with you, is a VK5 Club station, and of course our State group participating in the "John Moyle Field Day". So you see gentlemen, we have much to talk over.

\*\*\*\*

VK6 WESTERN AUSTRALIA .... Would it be possible for one of our VK6 gang to take on the State CO-ordinators job. No reports of any activity in this area, which is not good.

\*\*\*\*

VK7 TASMANIA.... Tassie seems to be still increasing in members, which is really great. Welcome aboard Maurie VK7SA, and VK7ZO will be joining soon.

\*\*\*\*

# DX MEMBER'S PAGE

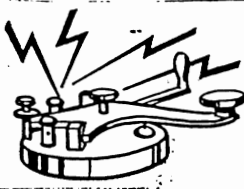


KX6GO MARSHALL ISLANDS... Walt sends his 73s to all members of the club and says that he will listen around 21.130mhz and 14.050mhz for club members. Between 0600Z and 0900Z are good times to listen out for him. Of course this depends on his work commitments and his operating habits do change accordingly. The main QRP rig in use at present is a Ten-Tec Argosy 2, but Walt also has a HW-8 and an Argonaut 515, which he can use portable. Due to space restrictions at his QTH Walt uses verticle antennas, and is currently considering phasing two verticles to get some directivity toward VK. Walt has had two duty stints in the Marshall Is., the first being in 1967-69 and this present one. On April 23rd and April 25 I was very happy to make two QSOs with Walt, on 21.130 mhz and I am very proud of making the trip. The home call of Walt is W1TUG and the home QTH is Massachusetts. With regard to the club and "Lo-Key" Walt says I quote, The Club and the publication "Lo-Key" are very impressive. I am very excited to be a member. If the VK gang take to building the 21 mhz rig described in this issue Walt should be hearing from many of our members.

GBPG/GW8PG ENGLAND Gus was first licensed in 1937 at the age of 17. The first ten years of his working life were spent as a Commercial Operator, includig the whole of WW2, as Chief RO in the MN. Later went into Technical Authorship, and finished as Tech Pubs Manager for a large Electronic Co. With regard to operating habits Gus says "I am 100% CW and 100% QRP. All bands from 3.5 to 21mhz are in use, and my output power about 1 watt. I spend quite a good deal of time around 7030, 14060, and 21060, and I am always game for any skeds with QRPer. My country score is 90/97, and it is taking a long time to get those last three." Gus is very actively connected with the well known G QRP club, which has been running for the last ten years, and has a paid up strength of 2400. As you have no doubt noticed Gus also runs a second call sign of GW8PG, when he is at his second QTH in Wales. Here are a few active European QRP DX calls to watch out for.... GM3OXX, G4BUE, G3IQF, G3BRKQ, F9YZ, OK1DKW, OK2BMA, DK5RY, GM4HBG, I7CCF, PA0GG, G4FAI. Thanks Gus, I will be looking for you on 14 and 21mhz.

\*\*\*\*\*

ZL1ATW NEW ZEALAND A little closer to home Matt is a VERY KEEN QRPer, and is certainly actively promoting our QRP Club at every opportunity he gets. Matt says that there are no QRP clubs in ZL and no QRP awards, only the usual QRO awards, that have been around for years. The rig at the QTH of ZL1ATW is an Argonaut, and Matt uses it to good effect. On 28 mhz Matt says that he often points his beam toward VK and calls CQ, with no results, even with the VK beacons bending the needle in his receivers 3 meter. He says it is little wonder the band is full of CB signals on the CW end of 28mhz, with hardly a CW operator to be heard. If any club members want to work ZL on 28mhz listen for ZL1ATW between 28000 and 28200 in the afternoons. Listen for the ZL beacon and if you can not hear it, try another direction or another band. Here is an award that members could be interested in. It is the TE AWAMUTU BRANCH 40 CENTENNIAL AWARD, to commemorate the 100 th anniversary of local government of the Borough of Te Awamutu. VK stations make 5 contacts rest of the world 2 contacts with Amateur stations of the Te Awamutu branch 40 NZART area between 0600Z 21 st Sept '84 and 0800Z 31st Oct 84. Listenig freqs. 3570, 3675, 7080, and 14150, to qualify. Copy of Log and 22 To Rose Town Centennial Award, P.O.Box 73 TE AWAMUTU N.Z.



# The Communications Department CLUB BUSINESS



MEMBERSHIP FEES....The CW OPERATORS QRP CLUB has just completed it's first six months of operation, which I have used as a trial period. There are several changes I will be implementing immediately. The first is the membership fee. As from the 1st July 1984 the new scale of membership fees will be....

- |   |        |
|---|--------|
| 1....VK members....                               | \$8    |
| 2....ZL members....with surface mail "Lo-Key".... | \$A 9  |
| 3....ZL members....with airmail "Lo-Key".....     | \$A 10 |
| 4....DX members....with surface mail "Lo-Key".... | \$A 9  |
| 5....DX members....with airmail "Lo-Key".....     | \$A 12 |

Please make Money Orders Cheques etc., payable to the CW OPERATORS QRP CLUB and NOT the Organiser. I have gone thoroughly into the clubs finances and \$8 is the lowest possible charge for membership, that will give the club a chance to break even. The \$4 charge was a carry on from the old club, and was given a trial, but is now found to be inadequate by far. I have been making up the difference necessary from my own pocket, that of course will now stop.

\*\*\*\*

### THE USE OF S.A.E.

It will be club policy from now on, to ask for a S.A.E. from people enquiring about membership to the club. I also ask that all members requiring an answer to their letters, include a S.A.E. Thank you.

\*\*\*\*

"INFO NET" .... Because of the EXTREMELY POOR response of the members this Net will close. I can no longer ask Neil and Rai to give up their time week after week, as the results they are getting, do not justify their efforts. Thank you Neil and Rai, well done. Also my thanks to the faithful few, who checked in regularly.

### STATE CO-ORDINATORS

\*\*\*\*

All State Co-ordinators will be getting a letter, just as soon as I can write it up, after I get this issue of Lo-Key in the hands of the members. I feel that the State Co-ordinators must begin to play a larger role, at the local level, if we are ever going to get the members of this club, out of the apathetic rut, they seem to slide into so readily.

\*\*\*\*

CLUB SCOREBOARD....Once again I am forced to say that, I am disappointed with the lack of response from members. Take a look at the entrants which number four, and you will find that three of them are State Co-ordinators, and the fourth is the Score Board Manager. If there is not a marked increase in interest, this WILL also get the axe, in the Sept. issue of "LO-KEY".

\*\*\*\*

WORLD QRP FEDERATION.... On your behalf I have applied for our club to be affiliated with the World body. Still awaiting confirmation of our application.

\*\*\*\*

QRP POWER LEVELS.....Since its inception the CW OPERATORS QRP CLUB has adopted the following policy on power levels. QRP 1-5 Watts, QRPp below 1 Watt. The club will continue with this policy, regardless of what other clubs or organisations do. We have declared this policy to the WQF, and we will stick by it.



# NEW MEMBERS



A VERY BIG WELCOME TO THE FOLLOWING

- 49 VK3XU Drew DIAMOND 43 Boyana Cres., CROYDON VIC. 3136  
 50 GBPG/GWBPB Gus TAYLOR 37 Pickerville Road, GREASBY MERSEYSIDE,  
 L49 3ND ENGLAND
- 51 WIA-L20944 C. POPE 17 Goode St., DUBBO N.S.W. 2830  
 52 VK3KGY Fred KOLB 6 Claronga Street, SOUTH OAKLEIGH VIC. 3167  
 53 VK7SA Maurie POTTER 19 Blessington St., SOUTH ARM TAS. 7022  
 54 VK6ATM T. MAITLAND P.O. Box 88, WYALKATCHEM. W.A. 6485  
 55 VK4KBD Jim LYALL 8 Queen St., MARYBOROUGH. QLD. 4650  
 56 ZL3PM Paul deH. MCGEE, 1 Craigieburn St., DARFIELD. NEW ZEALAND  
 57 VK5BJF Jeff WALLACE Box 344, CLARE. S.A. 5453  
 58 VK5AGP G. PHILLIS 413 The Terrace, PORT PIRIE. S.A. 5540  
 59 ZL2BJC Iain HILL 29 Holdsworth Ave., UPPER HUTT NEW ZEALAND  
 60 VK4AXA J. PETERSEN 181 Brisbane Rd., BOOVAL IPSWITCH QLD. 4304  
 61 VK5AWS W. STEPHENS 34 Threadgold St., PT. PIRIE. S.A. 5540  
 62 VE3JFH Ed SHIELDS 412 Talfourd St., SARNIA ONT. N7T 1R6 CANADA  
 63 N7DGZ Bob BROWN 504 Channel View Drive., ANACORTES. W.A. 98221  
 U.S.A.  
 64 KASIVA Louis SMITH 4013 S. Sandusky Ave., TULSA, OKLAHOMA, 74135  
 U.S.A.

## LOGOS



Doing More—Using Less



These are the last two logos to be submitted for consideration by members, to find a design to use on club QSL cards and official notices. Numbers 1 and 2 appeared in issue no.1 of "Lo-Key", no.3 appears on the cover of this issue of "Lo-Key", and no. 4 and 5 appear above. I ask all members to write to me and vote for the logo of their choice.





# PRACTICAL

# QRPING



## “CLUB”

## SPECIAL

### 21 MHZ QRP TRANSMITTER featuring

KITSET    OPTIONAL VFO    1 WATT OUTPUT    OPTIONAL 5WATT LINEAR

#### PART 1

Over the past few months I have had several requests, to do an article on the MIZUHO Kits for QRP Transmitters. As you would know the MIZUHO range consists of three Transmitters, 7 mhz, 21 mhz, 50 mhz, a 5.5 mhz and a 7 mhz VFO, with an AM Modulator to complete the range. I have chosen the MIZUHO 21 mhz QRP CW Transmitter kit type QP21 because members need a QRP rig capable of DX possibilities on another frequency, other than 3.5 mhz.

As the block diagram in Figure 1 illustrates, this QRP transmitter consists of three stages (Refer to Figure 2 for its schematic). Let's run through it and see what each stage does.

#### 1. Crystal oscillator

This oscillator employs a Pierce Circuit in which a third overtone crystal, with a fundamental frequency of 7MHz, is used to produce 21MHz. (QP-21)

#### 2. Buffer amplifier

This is an isolating circuit used to counter the effects of an amplifier circuit and an antenna on the oscillator. it is simply called a 'buffer'.

#### 3. Power amplifier

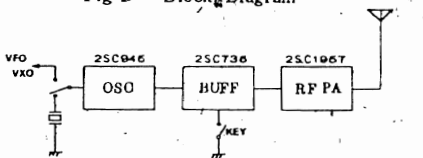
This amplifier stage builds up the oscillator output to produce 1W. The resonance circuit connected to the collector side is a two-stage pi network which will effectively attenuate harmonic energy and provide easy matching for an antenna. Transistor 2SC1957 is used for this final stage.

#### Assembly

Unpack and check for missing components. The small pins, which are to be inserted into the holes on the PC board for use as connection terminals (Figure 3), may be somewhat unfamiliar to you.

Refer to Figure 4 for transistor lead connections. All resistors are color-coded, as shown in Figure 5 (see parts list).

Fig 1 Block Diagram



A capacitor marked with '103' has a capacitance of  $10 \times 10^3$ , or 10,000PF (0.01  $\mu$ F). A capacitor with a value of less than 100 PF has that value printed on it. As can be seen in Figure 6, transistor Q3 is mounted to the PC board together with its heat sink by means of the 3x10 bolt provided with the transistor.

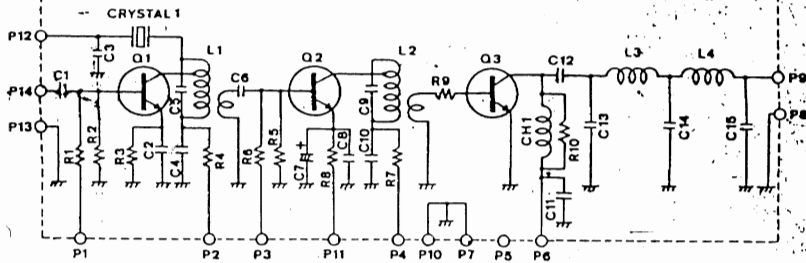
Assembly of the kit may take less than two hours, even if great care is exercised.

#### PC board pin connections

An ammeter or multimeter can be connected as required (see Figure 7). If no meter is used, connect as indicated by the dotted lines.

#### Adjustments

Prior to adjustment, fabricate a simple diode RF probe as shown in Figure 8. A tuning meter from your junk box, or a mult-



imeter (low voltage DC range or high-sensitivity current range) can be used with this probe. The cores of  $L_1$  and  $L_2$  can be turned by means of an adjustment bar fashioned by sharpening the tip of a bakelite or plastic bar.

Connect an RF power meter or a 50 or  $51\Omega$ , 2 W resistor (included in the kit) across the output terminals, apply the power and key the transmitter.

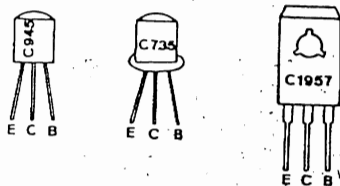


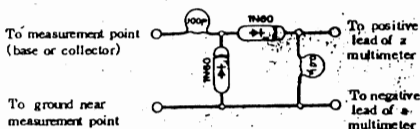
Fig. 8. Fabrication of an RF probe

- (1) Oscillator stage adjustment  
Connect a multimeter, via an RF probe, to the collector of  $Q_1$  and turn the core of  $L_1$  until oscillation commences (at the oscillation point the meter deflects).
- (2) Buffer stage adjustment  
Connect a multimeter, via an RF probe, to the collector of  $Q_2$  or the base of  $Q_3$ , and turn the core  $L_2$  to provide maximum meter deflection.
- (3) Final stage adjustment  
Turn the cores of  $L_3$  and  $L_4$  to provide maximum RF power meter deflection or maximum brightness of a one-turn LED. An output power of 1 W or more can be obtained (Figure 9).

#### Final Check

Monitor the keying signal in a receiver. Since  $Q_1$  continues to oscillate during key-up conditions, signals can be heard in the receiver between code spacing. This causes no problems during actual QSO.

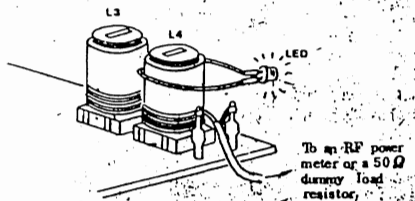
Fig. 7. Connection of pin terminal



Leads to a measurement point should be kept as short as possible (less than 30-40 mm), while the length of leads to the multimeter are not so critical.

Fig. 9. Final stage adjustment

Couple a one-turn LED (included in the kit) with coil  $L_4$ , and turn the cores of  $L_3$  and  $L_4$  to provide maximum LED brightness. Finally, turn the cores of  $L_1 - L_4$  again to provide maximum brightness.

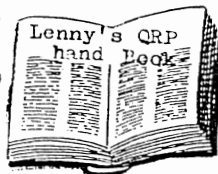


In Part 2, I will be giving a full description of the assembly and operation of this great little rig, also the housing and metering of it. My own kit should arrive next week, so I hope to be able to describe the details at first hand. In the meantime if you are interested in the MIZUO QP21 kit and VFO, you can obtain your kit from Entronics, PO Box K21, Haymarket, N.S.W. 2000. The price in their current catalogue, QP21 kit \$35 and VFO 7 \$45. This will put you up with the action on 21 mhz, working many DX and Inter-State stations, so let us make this little rig the first of our Club Projects.

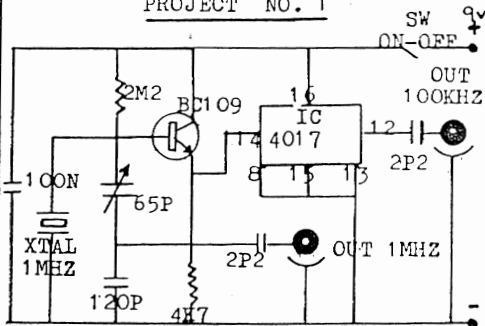




# A PAGE FROM LENNY'S QRP HANDBOOK



## PROJECT NO. 1



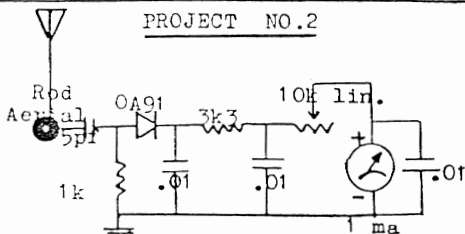
**CRYSTAL CALIBRATOR** For finishing off those VFO units and marking those dials on your Home-brew receivers.

Circuit and layout are not critical. Mount parts on Vero-board or similar material. House in small metal box. 65 pf. condenser is a trimmer type.

BC109 BASE VIEW



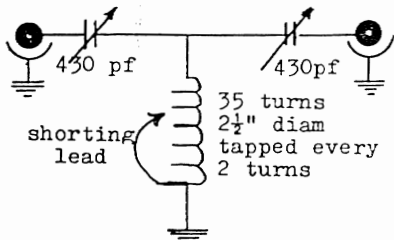
## PROJECT NO. 2



### RF TUNE UP OUTPUT INDICATOR

Another simple project to help you get the most out of your QRP rig. Built on Vero-board or similar, and housed in small metal box. Construction is not critical. Parts are standard, Resistors being 1/2 watt type and condensers ceramic type. When completed place suitable distance from feed line, and tune your QRP rig for maximum deflection on the Indicator meter.

## PROJECT NO. 3



### QRP TRANSMATCH

My favourite transmatch, it really works. Housed in small metal box. make sure that condenser frame and shaft are insulated from box. For QRP work any of the usual tuning condensers will suit. To use on other frequencies short out turns on coil from earth end. Fit suitable dials and terminals to box.

## PROJECT NO. 4



### IGNITION HASH ELIMINATOR

works superbly in most suburban areas. Check with your friendly Highways Dept. for supplies of surplus "Detour signs."

VK2VVA/QRP VK3PGE/QRP  
 VK7VVA/QRP VK5OSI/QRP  
 VK4APN

# VK VERSUS 1984 THE WORLD

VK5ZF/QRP VK1  
 VK5ZIQR  
 ZL1RZ/QRP LXA  
 G8W5

VK2AKE/QRP KX6GO/QRP

Sponsored by the CW OPERATORS QRP CLUB, this contest is directed to all CW enthusiasts WORLD WIDE who elect to tackle that extra challenge. Contestants may work DX or OWN COUNTRY for scoring. QRO stations are invited to participate, but must submit contest logs with QRP STATIONS ONLY, to qualify for the QRO section of the contest. QRP Stations must sign QRP for identification.

DATES SATURDAY NOV 17 and SUNDAY NOV 18 1984

DURATION Total of 48 hours (0000Z Nov. to 2400Z Nov. )

MODE CW only. CONTEST CALL CQ QRP. BANDS 160M to 10M. (Not WARC)

SECTIONS STATION CATEGORIES

- QRP : Single Operator : Multiband or Singleband.
- QRP : Multi Operator : Multiband or Singleband.
- QRO : Single Operator : Multiband or Singleband.

PERIOD CATEGORIES

- Full Period : 48 Hours.
- Half Period : ANY 24 consecutive Hours, within the 48 hours allowed for the contest.

EXCHANGE ALL STATIONS SIX DIGITS comprising RST followed by serial number, commencing with 001 up to 999, then commencing again

SCORING QRP STATIONS i.e. indicated output power into antenna NOT EXCEEDING FIVE WATTS, each contact shall score points based on the following table....

- Up to 1 watt..... 6 Points
- Over 1 watt - 2watts..... 5 Points
- Over 2 watts - 3 watts..... 4 Points
- Over 3 watts - 4 watts..... 3 Points
- Over 4 watts - 5 watts..... 2 Points

QRO STATIONS Using more than 5watts output to antenna. 1 POINT PER CONTACT (QRO/QRP only allowed)

MULTIPLIERS Every contact in a different ITU Zone counts as a multiplier on each band.

BONUS SCORE Field stations using Battery/Solar/Wind/Hand Generated power (Motor Generators excluded): Multiply the grand total score by 1.5. (Station to be erected Not Before the day prior to Contest date.)

CONDITIONS Stations may be contacted once only on each band, in each 24 Hour period. Separate log sheets required for each band. Each logged QSO to show Date/Time (GMT)...STATION WORKED...EXCHANGE (Sent/Received)...MULTIPLIER...POWER OUTPUT...POINTS CLAIMED. GRAND TOTAL SCORE = Total points from all bands x Total multipliers from all bands (x Bonus Score) All entries must have a Front Summary Sheet showing... Calculation of grand total score: Name and address: Call Sign: Signature and Declaration... "I certify that all entries in my contest log sheets are true and honest". Entrants are requested to include a brief description of station equipment, and any comments/suggestions. Field stations are requested to include a brief description of operations/location/ conditions etc.

CERTIFICATES To the QRP Single Operator and Multi Operator in each Country with the highest grand total score in each section. To the QRO Operator in each country with the highest grand total score in each section. To the highest scoring CW OPERATORS QRP CLUB member in each section. Entries to be addressed to, Contest Manager, P.O. Box 109, Mt. Druitt, N.S.W. 2770, Australia.

CLOSING DATE Contest Manager must have entries by 26/2/85



# A LETTER FROM THE ORGANISER

As mentioned elsewhere I have used the past six months as a trial period in which to see where our club seems to be heading. I must confess that I am not happy with the lack of Commitment, Dedication, or Involvement (They all mean the same) of most members. We have 62 members at this point in time, but in my humble opinion we have only two members that I consider are true QRPers and they are Neil (VK3PGE) and Rai (VK7VV). The rest of us (and that includes me) trail very badly. Now I am going to tell you what I want to see happen in this club. It is going to take a miracle to achieve it, so I will get started with my praying. Then I want EVERY member to write me and let me know just what you expect from this club and just how involved you are prepared to become to achieve this goal.

In future I am going to be more concerned with the quality of new members and I believe that if we gain only two new members with the right attitude, each year, it will be much better than gaining twenty who will just sit on the fence.

I want to see members becoming involved with club activities, helping other members, helping to run the club, help with articles and information for our news bulletin, get involved with Home Brewing QRP gear for themselves and others. When are our members going to begin to share their QRP experiences with each other. Where is the pride in being a QRPer and a member of the CW OPERATORS QRP CLUB. Let me assure you, this club will be operating for a very long time to come, regardless of any changes in the number of members we have. It is possible we will lose members because of the increase in fees and the members attitude to involvement. I believe it would be better to lose some members now, in getting the club onto a positive progressive footing, than let it stagnate with most members never learning, sharing, or participating in QRP AMATEUR RADIO - a GREAT HOBBY. This will be the first and last time that I will be writing on this subject, I do not like doing it. I will not be continuing to bang my head on the wall. If I have no response from you, then I will have to modify my overall views on the way the Club will be run in the future. This Club has all the potential to be the greatest QRP CLUB in the world. I need your help and commitment to do it.

\*\*\*\*\*

I am in receipt of a letter from Leith VK5LG, which covers much of the same material as the above. There is one big difference, and that is the fact that Leith is much more outspoken than me, in putting his point of view across. As I have not got sufficient room in this issue of "Lo-Key" to include it, and because of the same basic subject matter, I am sorry to have had to hold it over till next issue.

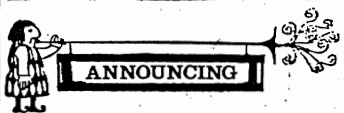
\*\*\*\*\*

I AM HOPING WE ALL HAVE GOT THE MESSAGE





# BITS 'N PIECES



QRP EQUIPMENT by Drew Diamond is now available from Drew Diamond VK3XU, 43 Boyana Cres., Croydon, Vic. 3136, Australia. This great QRP Handbook is priced at \$7.44, which includes postage. Here are some of the articles included, 2 Band CW QRP transmitter

with break in. An Ultra Portable CW Transmitter for 7 mhz. A Universal QRP transmitter. 5 Watt CW transmitter. Simple Economical 80 meter receiver. Direct conversion receiver for 3.5, 5, or 7 mhz. Universal antenna tuner. The "Ugly Weekender". Little Boxes. 13.8 V. Regulated power supply. A sensitive SWR meter, and much more. Drew tells me that there are only 50 Handbooks printed, so you had better hurry with your order. (Actually there are only 49 copies left, I HAVE MINE.)

\*\*\*\*

MARKET PLACE AND DX NOTES..... These segments have been omitted from "Lo-Key" this issue because I have not received any "Info" from any members. You send it and I will print it.

VK VERSUS THE WORLD CONTEST..... Elsewhere in this News Bulletin you will find details of this contest. Please talk about this contest in your QSOs with DX stations, as well as your VK QSOs. The Club is looking for a wide participation in this event. Please help to put your Club on the map.

\*\*\*\*

FIELD DAY ACTIVITY..... Members are asked to contact their State Co-ordinators with regard to forming a group, to participate in the John Moyle Field Day Contest next Feb. (1985). Yes I know that Feb. is a long way off, but now is the time to start organising the location, the gear, the antennas, the power source, who is going etc. I am asking every member who can, to get behind and support your local State Co-ordinator, lets make this a great annual event, to all get together, and share our hobby QRP Amateur Radio.

\*\*\*\*

CLUB QSL CARDS..... During this last quarter I have investigated the possibility of this suggestion, by getting in contact with two well known QSL printers. The price I received from the first printer, sent my blood pressure up to an all time high. In the case of the second printer, he has not bothered to reply. Do not be dismayed, as I have now contacted a third printer (this time here in Adelaide) and his price appears a bit more realistic. I am in the process of submitting a sample, for verification of his price. It is moving, be it ever so slow.

\*\*\*\*

PHOTOGRAPHS OF MEMBERS AND THEIR EQUIPMENT ..... In a bid to make this News Bulletin a little more interesting I am asking members to send in any photos they may have, which could be of interest. Probably black and white would be the best as far as copying is concerned. Those pet "Home-Brew" projects that you are so proud of, how about sharing the details with the group. How about putting a face to that fist or voice we hear on the air. I must startle you all one day by putting my face on the Character on the front cover. Keep watching it could happen.

\*\*\*\*

THANK YOU..... To those members who wrote to me, with helpful suggestions and in some cases spare valves for my ancient FT200, I am very grateful to you all. You are truly good friends.

# CLUB ACTIVITIES



## HOME BREWING MATERIALS

Collecting and identifying of parts for Home Brewing kept in each State by state Co-ordinator or volunteer. Parts available to members. Method:- if you take out a part you put back a part. Members to contribute unwanted parts and gear.

## ACTIVE BAND CONDITION REPORTS

Members (including SWL'S) needed to report on band conditions and interesting openings. Where possible reports of QRP activities of members or non members. Reports sent to organiser. Information to be used in "LoKey". No limit to number of reporters required.

## PROBLEM CORNER

Required a member willing to try to help members with constructional problems with QRP projects. Members can write in about a problem and will be answered by mail, telephone, or through news bulletin etc.

## CIRCUIT BOARD PRODUCTION

- Somebody with know-how to produce project PCB for members at reasonable price.

## CIRCUITS AND TECHNICAL ARTICLES

Organiser is looking for unlimited number of circuits of receivers, transmitters, V.F.O.'s - anything that deals with QRP gear including accessories. Hints, tips, modifications etc ALL WELCOME. Required to build up my information store for publishing in "LoKey". This is important no limit to the help required.

## DETAILS OF AWARDS AND CONTESTS

Organiser is looking for information to publish in a QRP AWARDS AND CONTEST BOOK for members. Any members knowing of AWARDS OR CONTESTS Suitable for participation by our members Please send information to Organiser. There is no limit to the help required in this field.

## LOAN GEAR FOR MEMBERS

It would be tremendous if each State Co-ordinator could promote and encourage a scheme of renovating old gear or building new gear for our senior members in each state. I know of several Senior members who would be grateful to make use of such a club activity. Come on members here is a chance to repay some of these old-timers who have put years of service into A.R. and are past the home brewing capability. Lets forget ourselves and help others.

The above are just a few suggestions, without having scratched the surface. There are unlimited possibilities if we all start to think about it for a while. How about writing me with your suggestions. Lets make July the month we start to mature as a QRP CLUB. Become involved with YOUR CLUB. YOU could even like it.

# 1984 - 5

## CLUB SCOREBOARD



### NOVICE SECTION

STN		3-5				21	28		TOT
VK3PGE		198				5			203

### FULL CALL SECTION

STN	1-8	3-5	7	10	14	18	21	24	28	52	144	430	TOT
VK7VV		16	21		283		11						331
VK5ZF					13		15						28
VK5LG		2											2