

THE WIRELESS INSTITUTE — OF AUSTRALIA —

TASMANIAN DIVISION

BOX 851J, G.P.O., HOBART

DECEMBER 1962

MONTHLY BULLETIN

Price 6d

PRESIDENT

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TREASURER

Mr. T. Harrison VK7CH

SECRETARY

Mr. K. Millin VK7KA

Registered at G.P.O., Hobart, for transmission by post as a periodical.

GENERAL MEETING.

The next General Meeting of the Division will be held in the Club Room, 147 Liverpool Street, Hobart, on WEDNESDAY, 5th December 1962 at 8.00 hours. The speaker for the evening will be Mr. Phillip Hamilton of the Univ. of Tasmania who will give us a lecture on "Lasers".

NORTHERN ZONE.

The next meeting of this Zone will be held on FRIDAY, 14th December and is the Christmas social and meeting. This will be held at the Aero Club rooms, Western Junction; first gate on the left hand side approaching the aerodrome. Members are reminded to take along their own refreshments.

NORTH WESTERN ZONE.

The next meeting will be held on TUESDAY, 4th December at Larkins Hall, Ulverstone.

COUNCIL MEETING.

Next Council Meeting will be held on MONDAY, 17th December at the residence of Mr. T. Allen VK7AL.

NOVEMBER BULLETIN.

Our apologies to those members who did not receive their Bulletin on time last month. Owing to a fault in the counting mechanism of the duplicator not enough copies were printed. By the time this was discovered the stencils had been destroyed and it was then necessary to have a new lot cut and more copies printed - hence the delay. Caused quite a flap in the publication department, but was due to circumstances quite outside our control.

QSL BUREAU.

The QSL Manager reports that some members still persist in adding remarks of a personal nature on their cards. By doing this they cannot be sent as second class mail matter, so in future this regulation is going to be strictly enforced and cards returned to sender if they are not in accordance with the rules. There has also been some criticism of non-delivery of inward cards by the Bureau, but this is no fault of the QSL Manager - if he does not receive any he obviously cannot pass them on. And a reminder that the QSL Bureau address is Box 371B, G.P.O., Hobart.

CLUB HOUSE FUND.

Gorler Coil Turret. No reasonable offer having been received for the turret advertised last month, the way is still clear for anyone who would like to submit an offer.

Donation. Our thanks to Mr. G. Aschman VK7GD for a very generous donation.

CONGRATULATIONS.

To Den Kelly VK7DK and Associate Sid Cooper who have both recently been married. And to John Macey on obtaining his L.O.C.P. His call VK7ZOO.

DECEMBER BULLETIN.

Any material for inclusion in next month's Bulletin must be in by December 10th. This is a week earlier than usual, but it is necessary in order to give us time to get the issue out in good time before the holidays.

FEDERAL CONVENTION 1963

The next Federal Convention will be held in Sydney during Easter 1963. Any items for inclusion in the agenda should be forwarded to the Federal Councillor as soon as possible.

FEDERAL COUNCILLOR

Nominations are hereby called for the position of Federal Councillor for the ensuing 12 months. Nominations on the form which appears elsewhere in this Bulletin must reach the Returning Officer, Mr. J. Brown, 12 Thirza St., New Town, not later than December 15th.

R. S. G. B. HANDBOOK.

We are still waiting advices from the R. S. G. B. and until these are received cannot fix a definite price or forward our order, so if anyone else would like a copy they will be put on the list if they forward their 35s/- immediately. We still want a few more orders to be able to get the maximum discount.

RECEIPTS.

Receipts on hand: 572 K.M.Kelly, 573 J.P.Agnew, 574 F.Pieniacki, 575 G.L.Barthold, 590 R.K.Ermett, 591 J.Schuringa, 594 D.Berry, 595 P.D.Frith, 596 D.H.Kelly, 599 K.J.Hendricks, 602 G.D'Emden, 603 P.J.Goss, 604 R.K.Wilson, 605 L.Cordell, 606 W.E.Tanner, 607 V.F.Dore, 608 L.Durkin, 83 D.Kelly, 84 J.Agnew, 85 J.Oliver, 86 F.Pieniacki, 91 R. Emmett, 92 J.Schuringa, 93 M.Ives, 94 D.Fisher, 95 E.Bovis, 96 V.F.Dore, 97 B.Kelly, 98 D.Berry, 99 P.Frith, 100 A Hubbard, 4 P.Corby, 5 D.A.Thorne, 6 R.W.Harrex, 7 R.K.Wilson, 8 F.E.Nicholls, 9 G.Groves, 10 T.Moore.

DISPOSALS

Items ordered last month will be available at the next general meeting. If you cannot get along that night contact VK7CH who will arrange a suitable time. Your coöperation in collecting it as soon as possible would be appreciated as we are expecting another shipment and our storage space is limited. Those who missed out in the ballot will receive advice of their credit which will be held against future purchases or if desired will be refunded on request.

There are still a few of most of the items available and if not sold at the Hamfest can be purchased at the next meeting, or by sending in an application to the Disposals Committee. First come first served. Response from members was fairly good although we would like to see more interested, especially country members. Allocation of the gear was held over for a couple of extra days to make sure that those who did not receive their circular on time would get their orders in.

Crystals still on hand are re-advertised this month as it will probably be the last chance to get them at a reasonable price. Those unsold have to be returned to the Victorian Division before Christmas, so applications must be in by December 10th. but here again it is first come first served.

HAMFEST

I think that we are quite justified in saying that the hamfest turned out to be an outstanding success, and the attendance far exceeded our expectations. There were over 30 licenced amateurs who came along, and we were also very pleased to have VK3PW and VK5LL with us. It was very pleasing to see the number of associates also. With a little more experience at running a hamfest, we should be able to put on something really good. The general opinion that we should have one each year certainly seems justified. Our thanks to Mr. Muirhead for allowing us the use of his property - an ideal setting for an outing of this nature. Our thanks also to the organising committee for a job well done.

TECHNICAL.

AMATEUR RADIO SAFETY RECOMMENDATIONS. Issued by the Radio Society of Great Britain

1. All equipment should be controlled by one master switch, the position of which is well known to others in the house or club.
2. All equipment should be properly connected to a good and permanent earth.
(Owing to the common use of plastic water main and sections of plastic pipe in effecting repairs, it is no longer safe to assume that a mains water pipe is effectively connected to earth. Steps must be taken, therefore, to ensure that the earth connection is sufficiently low resistance to provide safety in the event of a fault. Checks should be made whenever repairs are made to the mains water system in the building)
3. Wiring should be adequately insulated, especially where voltages greater than 500 V are used. Terminals should be suitably protected.
4. Transformers operating at more than 100 V r.m.s. should be fitted with an earthed screen between the primary and secondary windings.
5. Capacitors of more than 0.01 uF capacity operating in power packs, modulators etc. (other than for r.f. bypass or coupling) should have a bleeder resistor connected directly across their terminals. The value of the bleeder resistor should be low enough to ensure rapid discharge. A value of 1/C Megohms (where C is in microfarads) is recommended. The use of earthed probe leads for discharging capacitors in case the bleeder resistor is defective is also recommended (A "wandering earth lead" or an "insulated earthed probe lead" is an insulated lead permanently connected at one end to the chassis of the equipment; at the other end a suitable length of bare wire is provided for touch contacting the high potential terminals to be discharged). Low leakage capacitors, such as paper and oil filled types, should be stored with their terminals short-circuited to prevent static charging.
6. Indicator lamps should be installed showing that the equipment is live. These should be clearly visible at the operating and test position. Faulty indicator lamps should be replaced immediately. Note: Gas filled (neon) lamps are more reliable than filament types.
7. Double pole switches should be used for breaking mains circuits on equipment. Fuses of correct rating should be connected to the equipment side of each switch. (Where necessary, surge-proof fuses can be used). Always switch off before changing a fuse. The use of a.c./d.c. equipment should be avoided.
8. In metal enclosed equipment install primary circuit breakers, such as micro-switches, which operate when the door or lid is opened. Check their operation frequently.
9. Test prods and test lamps should be of the insulated pattern.
10. A rubber mat should be used when the equipment is installed where the floor is likely to become damp.
11. Switch off before making any adjustments. If adjustments must be made while the equipment is live, use one hand only and keep the other in your pocket. Never attempt two-handed work without switching off first. Use good quality insulated tools for adjustments.
12. Do not wear headphones whilst making internal adjustments on live equipment.
13. Ensure that the metal cases of microphones, morse keys, etc. are properly connected to the chassis.
14. Do not use meters with metal zero adjusting screws in high voltage circuits. Beware of live shafts projecting through panels particularly when metal grub screws are used in control knobs.
15. Aerials should not, under any circumstances, be connected to the mains or other h.t. source. Where feeders are connected through a capacitor, which may have h.t. on the other side, a low resistance d.c. path to earth should be provided (r.f. choke)

FINISHING ALUMINIUM PANELS by VK7CH

There is now a wrinkle finish enamel available in a pressure spray tin which gives quite an effective finish to panels and other gear. After treating the panel in a caustic soda solution I do any necessary lettering using black Indian ink and a lettering stencil and then cover with a coat or two of clear lacquer. Next I stick a piece of clear cellulose tape over each title, cutting neatly with a razor blade so that it just covers the lettering. The panel is then sprayed with the enamel and when the small pieces of tape are removed the black lettering, each title on a small oblong of aluminium background, looks quite neat.

THE HISTORY OF THE
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME
BY SAMUEL JOHNSON

IN TWO VOLUMES
VOL. I.

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NON-TECHNICAL. (With acknowledgments to the N.S.W. Division Bulletin August 1962)

ADVICE TO FAIR MAIDENS.

Verily I say unto you, marry not a Radio Amateur, for he is a strange being, possessed of many devils.

Though he seemeth "touched" he is harmless and thou needest not be wary of him.

He speaketh eternally in dit-dahs and he spelleth his words without vowels, and he weildeth a big stick which he calleth a slide rule and hath but one bible which he calleth a Handbook.

He talketh always of QSO's and DX, and without end of his loading coil.

He knoweth countries only by prefix; he learneth his geography by zones and his directions are great circle bearings.

He stayeth up late at nights for reasons known only to him, and thou wouldst not believe his stories if he told you.

There is one key deep in his heart and that is a Vibroplex, and the love letters for which he yearneth are DXCC.

Whilst others prefer swimming and boating, he prefereth to sit inside and work portable and he braggeth forever of those he hath worked.

And when he courteth a damsel, he keepeth a log book and when he maketh a trip he vieweth not the scenery but looketh for antennas.

He picketh his seat in the car by the rig therein and not by the damsel beside him.

Always he carrieth his books with him, and entertaineth his damsel with Ohm's law.

Verily, though she expecteth chocolates when he calleth, she openeth the package to find filter chokes.

He holdeth a damsel's hand only to measure her fist, and he embraceth her only to test the strength of the muscle.

He checketh the vibrations of her heart with WWV and he reckoneth he strength of raising antennae.

For though he seeketh to acquire a second op, he attendeth the wedding ceremony only to record it on tape; he goeth on a honeymoon only to visit Radio Clubs; he returneth home only to pound brass.

Surely goodness and mercy will follow this man, for he will need it; there may be no improvement and he will need help forever.

Amen.

ON PUBLISHING THE BULLETIN.

Publishing the Bulletin is no picnic.

If we print jokes people say that we are childish and silly; if we don't we are too serious and dull.

If we don't accept contributions, we don't appreciate genius; if we print the stuff the Bulletin is full of unadulterated junk.

If we edit a scrip we are too critical and insult the intelligence of the writer; if we print the stuff as received we are accused of inuendo, indiscretion and bad grammar.

If we "lift" material from other papers, we are too idle to write blurb ourselves; if we don't, complaints are heard that the views of the Editor are a bore and get monotonous.

If we think up a technical article, we are ignorant morons who don't know what we are talking about; if we don't there is a scream from the longhaired gentry who maintain that it is our duty to scan the literature and report on pertinent developments in the amateur field.

If we refer to CW we are anti phone, and any reference to AM sends the SSB fraternity into a sulk session; if we mention SSB then the AM followers say we have gone all hoity-toity.

If we mention fone in any form the CW fanatics will belly-ache about bandwidth and splatter, and inform us that any half baked idiot can yak yak into a microphone, whereupon the phone merchant counters that the CW exponents are so stupid that they are incapable of building a modulator. Phew !!!

Now like as not, some clever Charlie will accuse us of swiping all this from some other paper. 'Tis true Brother.....we did !!

(This hardly applies to the Tasmanian Division as we never get any criticism, suggestions, articles, comments etc. which would help turn out a better Bulletin!)

73 Chas. Harrison VK7CH
for Bulletin Committee

CRYSTALS

Item No.	Description	Price
A1	Crystals in FT243 holders	each 6s/-
	3885 3990 4095 4165 4175 4215 4280 4330	
	4340 4445 4635 4680 4815 4930 5090 5135	
	5180 5385 5397.5 5437.5 5635 5645 5660 5687.5	
	5730 5740	
A2	Crystals in FT243 holders for making lattice filters etc. Ten on any one of the following frequencies	10 for £2-10/-
	3885 3990 4165 4175 4215 4340 4445 5135	
	5180 5385 5397.5 5635 5645	
A3	Crystals in FT243 holders suitable for 3 x 3 circuit for 52-54 mc band. These have been checked for activity on third overtone. each 10s/-	
	5920 5950 5955	
A4	Four different frequencies in FT243 holders. Our choice.	4 for £1.

Date / /62

Will collect
Post