

2 5007 TASMANIAN AMATEUR RADIO

Registered for Posting
as a Publication.
Category B.

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



P.O. BOX 275
LAUNCESTON
TAS. 7250

JUNE 1980 VOLUME 10 No 5

Meetings South 4 th North West 10 th North 13 th Council QTH VK7KK,
21st, 1 PM.

EDITORIAL

There are many facets of Amateur Radio to enjoy; there is the sport of the hunt for countries, awards, and QSL's, the experimenting with equipment and ideas, but basic to most operators is the contact with people; the ability to make new friends in a way and with an ease denied to most. There are not many people in any town who would have the courage to stand on the footpath and call CQ to passers by. There would always be the danger of strong men in white coats coming to put you somewhere safe.

In Tasmania the small Amateur Radio community rarely meets in a body. We keep in touch through the medium of QRM and the broadcast, the VK7 Sunday night net and the daily sewing circle, but apart from the Annual Convention most of us never meet face to face.

What I want to suggest is that we meet in the coming spring for a Saturday Field Day at a location near Great Lake or some central spot and for one day of the year not be three separate Branches but one Division that we indeed are. I hope that this can be arranged but of course it needs discussion and thought. I look forward to hearing your views.

E Ray

page 2

NORTHERN BRANCH EQUIPMENT STORE.

Publications.

1000 Q&A for Novice Licence Candidates	\$3.00
ARRL Handbooks	\$5.50
WIA log Books	\$2.55
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" " " " Vol2	\$18.70

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LM555	\$0.45	BC548	\$0.25
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" 10.75714 Mhz	\$6.50
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WIA Car stickers	\$0.20

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 Tel 003-261880

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The long-awaited Regulation Handbooks are now available. Contact your Branch now so that you don't miss out, and at the low price of \$3-50. Get yours NOW.

QRM Deadline Due to a change in the typing arrangements of QRM, a copy deadline has been set for the 20th of each month. This deadline, for all copy (including advertisers) will be strictly adhered to, to ensure QRM reaches members on time,

ED.

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LPM 880 RF Power Meter — \$139
LDM 815 TR Dip Meter — \$89.00
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6JS6C Finals for Yaesu transceiver — \$10.00
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M25T 5/8 wave 2 m mobile whip, top only Qty 1-4 — \$14.00
BASE B/L for above — \$4.00

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TS120S Solid state 100w — p.o.a.
TS120V Solid state 10W — p.o.a.
TS180S Solid state 10w — p.o.a.
R-1000 Communications Receiver — \$498.00

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210 Bearcat 210 scanner — \$469.00
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Coaxial Relays

CX-2L 1.8 thru 170 MHz, 100w pep — \$45.00
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CS201 2 position, commercial quality — \$23.00
CS401 4 position, commercial quality — \$59.00

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RF660 Phasing type, 6dB gain, dc — \$109.00
RF440 Phasing type, 6dB gain, dc — \$109.00

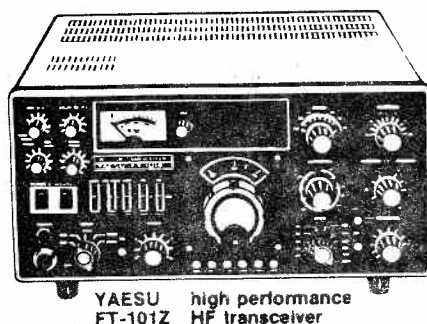
ICOM

IC701 HF transceiver — \$1199
IC280 2m Remotable — \$450
IC251A 2m All-mode — \$847
IC551 6m 10 watts — \$799
IC551D 6m 100 watts — \$850
IC255A 2m Digital — \$425
IC502A 6m portable — \$289

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NORTH WEST BRANCH NOTES.

The usual monthly meeting was held on Tues May 13 th, when once again, we had a very good attendance. With the minutes of the last meeting read Correspondence was delt with. The chiarman had on display a 1.5 Amp Solar Panel donated by Jim VK7NOW, to be used at the new ATV Repeater and F.M. Repeater site.

The subjects of Wicen and S.E.S. were discussed at lenght and it was suggested that the N.W. Branch align itself with S.E.S. It was resolved that the chairman contact Mr Bevis Dutton of S.E.S.- to visit a N.W. meeting, to give a lecture and general discussion on activities.

Membership applications were received from the following:-

Mr Neville Walcom VK7NJW Luina.
Mr Geoffrey Green VK7NGG Montello.

TARC 80. Various members are working on this project, and it could well be that we may have a visit by Australia,s "Grand old man" of Radio. More on that later.

During General busness Brian VK7NBH, comlained of a strong continuous carrier around 21.175 and 21.185. (This has been going on for months at the writers QTH, and reaches 20 over 9). At the conclusion of general business, Gregg VK7ZZZ gave a most interesting illustrated lecture on " Switch Modes" in power supplies (Transistorized).

The meeting closed with supper.

VY 73 Till next time

Jim VK7NOW.

Included in the North West Branch Notes was a foot note by Jim VK7NOW on the quantity of notes and the method of printing of QRM. These comments are printed as a letter to the editor. ED.

"It is my considered opinion, that "QRM" should be produced by a commercial enterprise. I think most of us would not mind paying around \$1.50 or so each month for a "professional Publication". All copy could be checked over by the Editor (Who is doing an excellent job), and then forward for publication. What do other members think?."

73 Jim Davis VK7NOW.

General Topics.

On June 15 th, Graham ZL2AGU will be arriving in VK7 to spend 5 days here as a guest of VK7NOW. Graham is a Senior Inspector for the power board of Hawkes Bay in ZL, and will be the guest of honor at a special meeting at our Headquarters on June 17 th and has kindly agreed to give a lecture on Power Distribution, etc in ZL, and to bring us up to date with Radio in New Zealand. WE would like to see a big turn-up and a welcome is extented to anyone who would like to attend. If possible, would you please bring a plate for supper.

DX NOTES CONT.

JAN MAYEN.

Although JX9WT is back in Norway a newcomer JX9JJ is keeping the island on the air.

BEAR ISLAND.

Rag JW7FD has curtailed his low frequency operations due to the fact that he will now have 24 Hours of daylight until September.

Nepal.

KP2A is scheduled to operate as 9N1OM during the last week of May. However the period of operation is not mentioned.

MACAU.

Macau is scheduled as KP1A's next stop after Nepal so you could be lucky with this one.

BOTSWANA.

Erik SMOAGD is expected to be signing A22DG soon-(just what soon is I don't know). Eriks attempts to get TN and S8 call signs have been futile.

COCAS ISLAND

TIOPN is a permanent resident on the Island and manager of the National Park. TI2CF has visited the Island and is organising the set-up so we should get more activity soon.

CENTRAL AFRICAN REPUBLIC.

TL8WH was working VK and ZL stations in the ANZA net on the 18 th of May and has promised to come up again on Sundays, also on Week days when possible. TL8JM is active on 7 Mhz and has been QSO'D by VK's around 2000 Z.

RWANDA.

SMOAGD is now operating from Rwanda using the call-sign 9X5LE, he was QSO'ed by VK7 stations on 14.022 Mhz on CW at 0500 Z, he also stated that he would be on 21 Mhz.

UPPER VOLTA REPUBLIC.

XT2AW was S9 on 21.198 Mhz at 0500 Z on Sunday the 18 th of May looking for VK QSO's. He was QSO'ed by VK7AE, VK7BC, and myself and he mentioned that he looks for VK's and ZL's at this time on Sundays.

PHILIPPINES.

Bill KP4KK/DU ex VQ9KK says he should be active on 3.5 Mhz in another month or so.

REPUBLIC OF GUINEA.

Kore LA5KC who operated for a short period as LA5KC/3X is now back in F land. Only about 12 QSO's were made, but now one operation has been made it is hoped that others will follow soon.

QSL INFORMATION.

S8AAT - P.O. Box 750 Umtata, Republic of Transkei, Via South Africa.

ZM7AA - SSB only to P.O. Box 22572, Tel Aviv, Israel.

CW only to P.O. Box 22800, Tel Aviv, Israel.

3D6BQ - P.O. Box 14, Manzini, Swaziland.

Cont

DX NOTES CONT.QSL INFORMATION CONT.

C21BS - P.O. Box 162, Republic of Naurw, Central Pacific.

A51PN - P.O. Box 166, Thimplw, Bhutan.

SV1JG/A - P.O. Box 3751, Athens, Greece.

8Q7AV - Mr N. Lokuge, Four Winds, Male, Republic of Seychelles.

HV2VO - Via IOGPY

9X5LE - Via SM3CKS

XT2AW - Via KN1DPS

9G1RU - Via HB9BFM

VK9NM - Via DJ5CQ

FROFLO - Via F6CVI or direct to
P.O. Box 200, Tampon,
Reunion Island.

CR9AK - Via VS6AG

73 Col VK7LZ.

NORTHERN BRANCH NOTES.

Last Month saw a demonstration of Amateur TV by Bob Grant VK7ZRF. He explained his system in some detail and demonstrated his home made camera and pattern generator.

While it would be difficult for many members to emulate Bob we can all be listeners. In this QRM is a design for a converter. Opportunity will be made for Northern members to have a building session to get a number of these units available. TV broadcasts will then be made from a city location and educational material etc, promulgated.

The Northern Branch now has a tower, TH3 Beam and rotator. The first moves for the erection of same are underway, so keep an eye open for the new landmark around bourke street.

It is liely that an exhibit will be staged at a Hobbies Exhibition in Launceston in the near future.

Permission has been requested of P and T to allow Sunday evening broadcasts on 2 Meters. While on broadcasts remember that the broadcasts are now on 10 Meters in the Launceston area by "Ace" VK7NAC, so give him a call.

Graeme Reardon VK7ZGG has taken on the role of WICEN co-ordinator. an exercise has been scheduled for June.

Next Meeting

Roger Greenwood(a Telecom Engineer) is going to give a talk on F.M. Broadcasting in Tasmania. Rogers talk will deal with the basic concept of F.M. transmission and reception, so come along and hear a very interesting lecture. See you there.

73 Reg VK7KK.

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AMP \$36-00
ANTENNA BALUN KIT
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TEST EQUIPMENT

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\$90-00

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Tasmanian Division W.I.AStatement of income and expenditure to 31/1/80

\$720.81

Balance brought forwardIncome

Refund of subs from F.E.	1 361.07
New subs	1213.00
Donations-Life members	60.00
WARC donations	171.00
Bank interest	31.72
Sale books	125.00
Call books sale to QSL bureau	11.50
Misc.	28.22
Refund secretaries advance	29.56
Refund treasurers advance	12.00
	<u>3 043.07</u>

3 043.07
3 763.88

Expenditure

Repayment pro-rata to FE	367.50
New subs to FE	471.40
Excess subs refunds	516.11
Subs to branches	471.00
Call books	16.05
Repeater and beacon licences	60.00
QRM and bulletin, includes losses 1978	381.94
AGM loss	40.50
Engraving	16.15
Printing	32.00
WARC	250.00
WARC delegates gift donation	50.00
Stationary	19.50
Insurance, includes \$300 paid for 1980	634.93
Legal costs	23.00
Adjustment FE	3.16
Administration	130.50
Video tape return postage	3.00
	<u>3 486.74</u>
	<u>277.14</u>

Balance sheet

General funds	
Balance 31/1/79	720.81
Loss for year	443.67
	<u>277.14</u>

31/1/80

Bank account

cash	239.99
cheque	13.15
	<u>24.00</u>
	<u>277.14</u>

Assets

1- Recorded video tape

40.00Auditors Report

In my opinion the above Statement of Assets and Liabilities give
a true and fair view of the Institutes Affairs as at the
31st January 1980

Launceston 6th April 1980

P.A. Frith
Hon Auditor

Treasurer's Report for 1979

The apparent operating loss of \$443.67 was brought about by a number of reasons. With the change in the method in new subscription handling we no longer hold pro-rata from one year to the next. This amounted to \$367.50 for the start of the year.

Due to the timing of the renewal of the Personal Insurance policy it has already been paid for 1980. The amount was \$300.

The losses for QRM for 1978 came out of year 1979 monies and the final contribution to WARC also helped to reduce our balance.

This balance is all our's and with the rise in Divisional portion of subscriptions, to meet increased QRM expenses, I believe I leave this position with an adequate budget for the rest of the year.

P.D. Frith VK7PF

FOR SALE	FOR SALE	<u>SHACK CLEAROUT</u>	FOR SALE	FOR SALE
6 Meter 6 element beam ; Gamma match ; worked all JA				\$50.00
2 Meter 16 element beam; KLM design				\$60.00
70 cm 16 element beam ; KLM design				\$20.00
Above beam with Balun				\$45.00
80 Meter helical, fibreglass, base station roof mount				\$25.00
18AVT ; 5 Band trap vertical				\$90.00
10 Meter Turnstile				\$10.00
BC625 Transmitter 108-156 Mhz, incl power supply				\$20.00
AWA R30 Receiver 108-156 Mhz				\$20.00
AR7 Receiver fair condition, some coil boxes				\$40.00
6 Digit 12/24 hour clock ; 12 volt				\$40.00
Low band unmodified MR15A				\$45.00
WS62 Transceiver some mods for ac supply ; 1-8 Mhz				
tunable. Receiver ok				\$25.00
SK600 ; 4CX250 Socket				\$30.00

Many other transformers, chokes, sockets, components to many to list there. Phone me if your looking for something, I might have it.

Offers considered on all items.

All of the above can be had by contacting Mike VK7MC during working hours on 306175.

Southern Branch Notes.

Our regular Southern correspondent Sue VK7ZSU/NSU was not able to compile these notes this month so the job of bringing you some news from the south has fallen to me. Sue, by the way is on the mainland along with her OM Brian VK7RR looking after Sue,s father who is very ill. I,m sure everyone willwish 73 to Sue and family in a trying time.

Helene VK7HD and Peter VK7NPR are moving house. They've sold there QTH but at the time of writing had not found their next resting place. I'am sure they are looking forward to a good radio location as well as all the other desirable features. Best of luck to you both.

Cont

Southern Branch Notes Cont.

The May meeting was enjoyed by all and we were pleased to be back in our usual meeting room. There was a large attendance and the business part of the meeting was kept to just over $\frac{1}{2}$ hour. There was plenty of time to chat and drink coffee and then at 9 o'clock we had our guest speaker Mr Neville Brown from the Christian Radio Station 7HFC FM.

Neville told us of the planning and hard work that went into this project, along with some interesting details about technical aspects and believe it or not they had VSWR problems. Don't forget the next meeting on the 4th of June, hope you can make it.

73 Barry VK7NBA.

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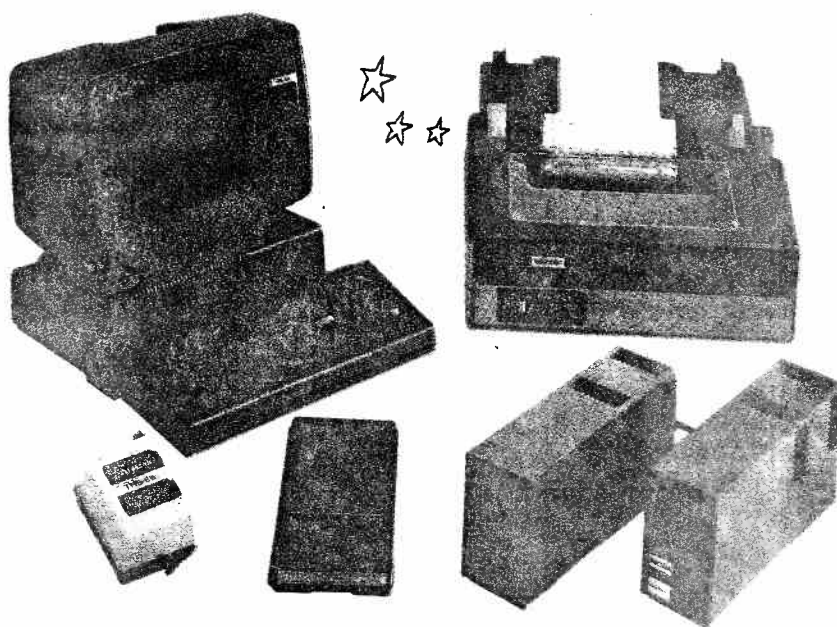
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STATE NEWS

Welcome to the following new members.

Suzanne Wyatt	VK7NRG	Cygnat
Geoffrey Green	VK7NGG	Montello
Neville Walkam	VK7NJG	Luina
John Holebrook		Moonah

Amateur Radio Magazine

At the recent Federal Convention time was spent discussing the future problems of "A.R." It was pointed out that advertising revenue must be maintained and its attractiveness to readers (and hence advertisers) must be improved. Other states which presently include inserts are to pay for their material to be included in the pages of "A.R." and they are to actively pursue local advertising.

As in Tas we are committed to sponsor QRM as our contact with our members we cannot support "A.R." in this way however we are surely duty bound to assist where possible.

There may be articles we publish that would be better in A.R. (e.g. good technical articles). There also would be local happenings which should be propagated Australia wide. Perhaps there are advertisers (Amateur suppliers or otherwise) that we can channel to A.R.

Photos are particularly welcome.

Peter Dowde, VK 7NPR is our "A.R." representative - give him assistance.

Money for Education

Around 18 months ago Dick Smith gave a donation of \$3500 to the WIA to use for Educational purposes. The WIA initially decided to use this to produce a series of videotapes of topics to suit would-be-amateurs, novices and more advanced persons. This idea has not eventuated so the money will now be divided equally between all Divisions.

Problem

What can VK7 do with \$500 for education. One suggestion is a videotape (or slides/tape) on say, interference. Perhaps books, aids etc for education groups. Of course most of our education groups are associated with colleges, schools so have A/V gear available. Any suggestions??

Federal Convention

Detailed discussions will be provided elsewhere however some items of interest were:

FE will continue to press for 3rd party rights and will examine the demand for phone patching. It was resolved that the 10,18 and 24 MHz bands should be for full calls all modes. No common band is needed for novice, Z and full calls. The present advisory committee structure should be retained and that the requirement for listing equipment on station licences should be dispensed with.

Of course the results of WARC received much attention and Amateur Radios success was obviously due to the effective preparation we made.

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HOBBY ELECTRONICS

Scene and HeardBy "Earwig".

Conditions over the past month have been fair to good, with occasional propagational disturbances. Some interesting stations were observed, particularly after the abortive U.S. attempt to free the hostages in Teheran on May 25 th. Many of the major broadcasting stations pre-empted some of there programmes to bring reactions of the crisis as it unfolded. I copied an unidentified CW station on April the 26 th , on 18.300 Mhz with a very badly worded text in English at 0730 Z with the Iranian version of the crisis. I suspect it was from Iran, but I don't know if it was the Government Information Office or whatever else in that nation, but the English was very poor, and I have not observed it since. The reaction from Radio Teheran was predictable, Military music, crowds chanting, etc. Teheran is observed on 15.084 Mhz at around 033 Z daily in Farsi, the official language in Iran.

Radio Vila, YJB4, the New Hebrides Broadcasting Service, has been heard on 3.945 Mhz at 0725 Z. The programme was in French and carried some Island music. The signal was fair. The Canadian Time Station, CHU, has been logged recently on 14.670 Mhz. This is operated by the National Research Council in Ottawa, and has an I.D. in French, English alternating every minute, and transmitting coded pulses between 30-40 second part of the minute. Listen for it at about 0828 Z , it was 45443 on the Sinpo Scale.

Now for some Medium Wave loggings over the past week. Singapore Radio 9VG, has been heard with traffic on 500 Khz at 1341 Z, it was poor to fair in signal strenght. This is a very good indicator as a DX condition from Asia on the M.F. band. Radio Noumea, New Caledonia, can be heard in the evenings at about 1000 Z at fair to reasonable strenght. The frequency of 666 Khz is clear, as there are no stations in Australasia utilizing this wavelenght. The transmitter is rated at 20 KW, and the program in french is also carried on 7.170 Mhz. Conditions on 160 Meters have also been good. W8JI has been heard calling CQ at 1015 Z on 1805 Khz CW. Also Japanese fishing trawlers have been monitored on 1640 Khz and almost certainly are pirates. Listen at 1115 Z on USB.

A number of Korean stations are being heard lately. The Korean Broadcasting System in Seoul (South) is heard in English at 0750 Z , with programmes for Europe on 15.570 Mhz. At 0930 Z, an Indonesian language programme is aired on 9.64 Mhz at very good strenght. Radio Ptongyang, (North) is heard on 9.420 Mhz at 0940 Z with a French language broadcast. Its Home Service has been noted at 1020 Z on 2.850 Mhz in Korean.

Jerusalem has been noted from time to time on 25.605 Mhz with programmes in Hebrew. It has a fair to poor signal strenght when noted at 1030 Z and 0620 Z. Radio Tirana, Albania was heard on the unusual frequency of 16.230 Mhz at 0530 Z with programmes in Chinese. Also on 14.320 as well at the same time. It was also heard at 1300 Z with the same programme.

Well that,s all for this month. Remember forward all your observations to me C/- P.O. Box 275,Launceston, 7250, Tas., for inclusion in this column.

73 DE "Earwig".

Due to the NON-SUPPORT of Novice Members, Bill(Noughts & Crosses) Bower VK7NAC was unable to supply notes for this Month.

How about it fellers for next Month?

ED.

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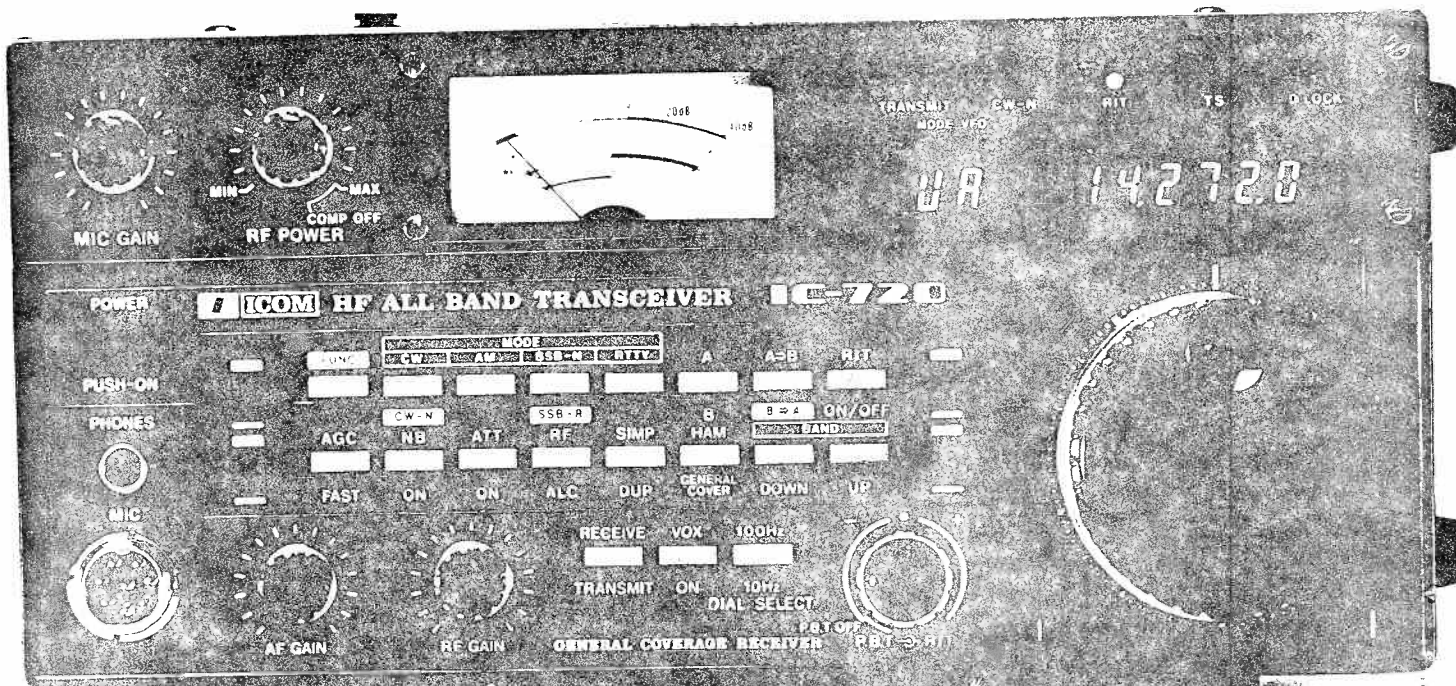
Introduction of the Icom IC720 is just around the corner expected
late June or early July.

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VHF notes by Joe VK7JG

Very little has happened since last month, the last entry in my log book being KH6EQI beacon on 16/4/80.

Tony VK7TW reported hearing KG6DX on 50.0 Mhz however when Tony called him on 28Mhz and had him shift up to 52.0 MHz signals could not be heard, so once again we need 50.0 MHZ to make those DX contacts.

During the month ZL TV has been watchable but no contact has been made. On one occasion ZL4 TV was watchable but unfortunately the only amateur we could contact was ZLIMO, the opening did not extend to his area and no contact was made.

Dont forget the mid winter DX openings they could produce some interesting contacts. Most of the above refers to Six meters however I have not been active on Two and have no information on activity in this area, however there have been several new call signs active on repeater 8 during the past week.

By the time you read this Amsat Oscar 9 should be in orbit this will provide VHF contacts better than those possible on many HF bands. More information will be published on this satellite next month.

73 til next month
Joe Gelston

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All of the above can be obtained from-:

Tony Polowy VK7TP
42A Quarantine Road
Launceston, 7250

Or phone Tony at work after 4 PM
on 326254.

Noticed in a recent oversea's Magazine.

"The Swiss have reacted to the Japanese competition by announcing a digital quartz watch, which measures a mere 1.86 mm thick."

How on earth is it powered?

Maybe its intended for use with very flat batteries;



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