

RADIO

DEVOTED TO AMATEUR RADIO
AND HOBBY ELECTRONICS

APRIL-MAY-1985

Rs. 2.25

HAMMEET '85

17-5-1985



B. M. Chakraborty



JOURNAL OF THE FEDERATION OF AMATEUR RADIO SOCIETIES OF INDIA



RADIO

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JOURNAL OF THE FEDERATION OF AMATEUR
RADIO SOCIETIES OF INDIA

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ON THE COVER

Front Cover : Ham Meet 1985: Photo shows Mr. M. V. Chauhan, VU2MV, Mr. R. N. Nayar, Station Director, AIR, Madras, Mr. R. G. Deodhar, VU2ZR, Wireless Adviser and Mr. K. Subbiah, Superintending Engineer, AIR.

Front Inside Cover : The team that produced the programme: Dr. R. Sridhar, Science Officer, All India Radio, Miss Indira, VU2DZZ and her father Mr. K. Mahalingam, VU2DZ (at the mike).

Back Inside Cover : Upper: The audience of invitees and the media.

Lower : The Quilon Amateur Radio League's demonstration shows, among others, Mr. L. Venkateswara Sarma, VU2LV (left) and Mr. Joe Pereira, VU2FXP (right).

Back Cover : Upper: Miss Revathi Srinivasan who ably compered the programme

Lower : Mr. T. Rajagopal, Station Engineer, at the console.

Photographs Courtesy of All India Radio

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The OGL and duty exemption

One of the good news that we carry in this issue is that the open General Licence will now permit the import of equipment for up to Rs. 15,000 each year for the next three years.

The other good news is that the duty exemption has also been extended, but with two limitations :

- ★ The exemption is only for Rs. 10,000 cumulative since the exemption was notified last year.
- ★ It is valid only for equipment arriving in India upto 31 December 1985.

The OGL and the customs notification deal with two different aspects of importation. In the normal course, before you import amateur wireless equipment you need the following :


1. Import licence from the Chief Controller of Imports & Exports.
2. Import licence from the Wireless Adviser to Govt. of India, which certifies that this is amateur equipment.

The OGL makes it possible for you to import equipment without having to apply for a licence from the Chief Controller of Imports, & Exports; or his subordinate officers. You need only the licence from WPC which enables you to clear the equipment through the Customs at concessional duty.

The customs notification regarding duty exemption enables you to clear the first Rs. 10,000 worth of equipment free of duty. Anything beyond this value will incur the concessional duty of around 65%. The exemption of Rs. 10,000 is cumulative.

M. V. CHAUHAN, VU2MV


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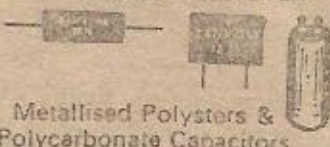
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BANGALORE 560002
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Discussions with WPC Bear Fruit

Our meeting with the Wireless Adviser (Radio, Nov.—April 83 Page-2) has ultimately borne fruit. WPC has come out with a number of modifications (in addition to a few minor changes in the interregnum) which are in line with the proposals made by us. The WPC notification is reproduced below :

1. (1) These rules may be called the Indian Wireless Telegraph (Amateur Service) Amendment Rules, 1984.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the rule 2 of Indian Wireless Telegraph (Amateur Service) Rules, 1978 (hereinafter referred to as the said rules) :

(a) after clause (b), the following clause shall be inserted, namely—

“Amateur Radio Beacon” means a station in the Amateur Service having, transmitter(s) emitting carrier wave alongwith identification signals at regular interval. Such beacons can be directional or non-directional”.

(b) clauses (c), (d), and (e) shall be relettered as clauses (d), (e) and (f) ;

(c) In clause (d), as so relettered, after the words “amateur station”, “the words” Amateur Satellite Service” shall be inserted.

3. In the rule 4 of the said rules:

(a) after category (iii) the following category shall be inserted ;
“(iv) Restricted Amateur Wireless Telegraph Station Licence;”

(b) existing category (iv) shall be renumbered as category “(v)”.

4. For rule 5 of the said rules the following shall be substituted, namely :—

5. Eligibility for licence :

(1) A licence may be granted subject to such conditions contained in Annexure 1 to these rules

(i) to a person, —

(a) who is a citizen of India,

(b) who is not less than 18 years of age,

(c) who qualifies the Amateur Station Operators’ Examination for the award of licence or holds either of the following certificate of proficiency, namely :—

(i) Radio communication Operators General Certificate :

(ii) First or Second Class Radio Telegraph Operators Certificate;

Provided that holder of a Special Radio Telegraph Operators’ Certificate may also be considered eligible for the award of Amateur Wireless Telegraph Station Licence Grade II.

(iii) to a bonafide amateur radio society, club, a school, college, institute or a university in India which have the aim of participating in the ‘amateur service’.

Provided that the licence shall be issued in the name of an authorised official of the society, club school, college, institute or university in India, holding a category of licence appropriate to the transmission to be conducted by the station, including

amateur radio beacon transmissions.

(2) Notwithstanding anything contained in sub-clause (b) of clause (i) of sub-rule (1) the Central Government may grant, to bonafide experimenters between the ages of 14 and 18 years. Amateur Wireless Telegraph Station Licence, Grade I and to those between the ages of 12 and 18 years Amateur Wireless Telegraph Station Licence, Grade II or Restricted Amateur Wireless Telegraph Station Licence or Short Wave Listeners’ Amateur Wireless Telegraph

Station Licence ;

Provided that the application for the grant of such licences shall be accompanied by a certificate from the head of the educational institution, recognised by a Board or University in India, attended by the applicant or from his legal guardian that the applicant is interested in and is competent to conduct experiments in wireless telegraphy.

(3) Notwithstanding anything contained in sub-clause (c) of clause (i) of sub-rule (1), the Central Government may recognize, subject to any conditions it may prescribe, from time, such other radio-telegraph operators’ certificate or Amateur Station Operators’ Certificate as are issued by a competent autho-

rity in India or in any other country as equivalent to qualifications referred to in afore said sub-rule, for the purpose of grant of licence under these rules".

In rule 7 of the said rules :—

- (1) for clause (a), the following clause shall be substituted namely :—

“(a) such a person fulfils the provisions contained in sub-clause (a) of clause (i) of sub-rule and either sub-clause (b) of clause (i) of sub-rule (1) or sub-rule (2) of rule 5.”;

- (2) in sub clause (iii) of clause (b) after the words “Amateur Station Operators’ Grade II Examination”, the words “and Restricted Amateur Wireless Telegraph Station Examination” shall be inserted.

6. In sub-rule (2) of rule 8 of the said rules, the words “or, as the case may be, in Annexure III” shall be omitted.

7. For rule 11 of the said rules, the following rule shall be substituted, namely :—

“II. Period of Validity :—A licence granted under these rules shall be issued for a period of 2 years or 5 years, as the case may be, commencing on the date of issue of the licence and expiring on the last day of the month preceding the month of issue.”

8. For rule 12 of the said rules, the following rules shall be substituted, namely :—

“12. Fee for Licence :—(1) A licence fee on the following scale shall be payable to the Central Government on receipt of instructions from the

Government and in the manner directed by it :—

Category of Licence	Fees in Rs. for	
	2 years	5 years

(i) Advanced Amateur Wireless Telegraph Station Licence 50 125

(ii) Amateur Wireless Telegraph Station Licence, Grade I 40 100

(iii) Amateur Wireless Telegraph Station Licence, Grade II, Restricted Amateur Wireless Telegraph Station, Short Wave Listeners’ Amateur Wireless Telegraph Station Licence 25 60

- (2) The licence fee shall not be refundable on ground of Licencee’s inability to establish or make use of the licenced amateur wireless telegraph station or for adjustment towards higher category of licence.

9. For rule 14 of the said rules the following rule shall be substituted, namely :—

“14. Renewal of Licences :—

- (1) on the expiry of the validity of a licence, it may be renewed for a period of two or five years, as the case may be, if the licencee,—

(a) makes an application for renewal, not earlier than 2 months but before the date of expiry ;

(b) has actively operated an amateur wireless telegraph station during the validity of his licence and provides a certificate to the effect that he has made contacts with other amateur stations

on at least 40 occasions per year and in case of Short Wave Listener has intercepted amateur station on at least 40 occasions per year.

- (c) Pays a fee on the following scale, namely :—

Category of Licence	Fees in Rs. for	
	2 years	5 years

i) Advance Amateur Wireless Telegraph Station Licence 50 125

ii) Amateur Wireless Telegraph Station Licence, Grade I 40 100

iii) Amateur Wireless Telegraph Station Licence, Grade II, Restricted Amateur Wireless Telegraph station Licence, Short Wave Listeners’ Amateur Wireless Telegraph Station Licence 25 60

- (2) The licence fee shall not be refundable on ground of licencee’s inability to establish or make use of the licensed amateur wireless telegraph station or for adjustment towards higher category of licence.

- (3) The documents showing the renewal of licence issued by the Central Government shall be kept along with the licence to which it refers.

- (4) It shall not be obligatory for the Central Government to issue a notice that the licence is due for renewal.”

10. For rule 15 of the said rules the following rule shall be substituted, namely :—

"15. Surcharge for Late Renewal-

In case the holder of licence does not apply for its renewal prior to the date of expiry of the licence referred to in sub-rule (1) of rule 14, he may apply for the renewal of licence subsequently also but within a period of two years after the date of expiry of the licence on payment of a surcharge at the rate of Rs. 10 for every half year or part thereof. The licence in such a case shall be renewed from the date of expiry of licence."

11. For rule 18 of the said rules, the following rule shall be substituted, namely :—

"18. Portable and Mobile Amateur Station—(1) Without prejudice to rule 17, the Central Government may in addition to an amateur station licensed for a specified location issue a special authorisation to establish, maintain and work an amateur station as a mobile station installed on board a motor vehicle or as a portable station or for the purpose of exhibiting the operation of amateur station at jambories or for specific technical investigation in radio if —

- (i) application for such an authorisation is made at least 10 weeks in advance indicating, amongst other, the period for which the authorisation is required, area of operation and the purpose;
- (ii) the applicant holds an Advance Amateur Wireless Telegraph Station Licence or an Amateur Wireless Telegraph Station Licence Grade I;
- (iii) the applicant pays on additional fee Rs. 10;

(2) The special authorisation shall, in addition to the conditions specified in rule 10, be subject to the following conditions, namely :—

- (i) The special authorisation shall not be issued for a period of more than 90 days and may be extended for a further period of 90 days on request and on payment of fee of Rs. 10/.
 - (ii) The licensee's amateur station at the fixed location and the mobile station shall not communicate with each other;
 - (iii) The suffix "MO" shall be added to the call sign already authorised to the licensee. Such call sign shall be followed by the location of the station.
 - (iv) Such other conditions as the Central Government may determine from time to time.
- (3) The special authorisation may be withdrawn or the conditions contained therein varied at any time by the Central Government."
12. In rule 23 of said rules, for sub-clause (b) of the proviso, the following sub-clause shall be substituted, namely :—
- "(b) in case of a licence issued to an authorised official of an amateur radio society, club, school, college, institute or a University in India the station may be operated by —
- (i) a person who holds a licence equivalent or of higher category ;
 - (ii) a person who holds a lower category of licence, where he operates the station on the frequency bands, emissions and power allocated to his category.

In each of the cases aforesaid the licensee shall be responsible for the observance of this rule."

13. (1) In rule 25 of said rules,—

- (a) sub-clause (iii) shall be omitted and sub-clause (iv) and (v) shall be renumbered as sub-clauses (iii) and (iv);
- (b) in sub-clause (iv) as so renumbered, after the words "whichever is less" the words "on payment of proportionate licence fee as prescribed in rule 12 subject to a minimum of fees payable for a period of one year" shall be added.

Govt. of India,
Ministry of Communication,
(F.No. R-11014/14/82-LR
Dt. 17th October 1984)

Sniffing RF for Pirates

I have made the "SNIFFER" to pinpoint the location of an illegal Wireless Station which was suggested to me by Mr. Ben F Waple the then Acting Secretary of FCC, when he called me for 3 months training with FCC, when I was working in the Wireless Monitoring Station Bombay in 1961, trying to catch illegal wireless stations. It is nothing but a R.F. choke, diode, micrometer and an adjustable length of wire. When one comes close to a wireless station, the RF is detected by the diode and the micrometer gives an indication. In this way the FCC caught 200 NAZI spies in S. America during 11nd World war after computing their locations with long range rotating Adcock Antennas fixed D/F stations, and mobile loop Antennas. And the hunter can go around the flats and neighbourhood and watch for any suspicious protruding Aerial Wire.

D.W. Johnson, VU2DW

HAM MEET 85

Some time in 1984 when Sri R. N. Nair, Station Director, Dr. R. Sreedharan, Science Officer and their team from AIR Madras visited the shack of OM Santhanam VU2YFS nobody ever thought it would result in a programme of national interest.

OM Mali VU2DZ of MARS was one of those who had the opportunity to have a QSO with this team then at Tuticorin. The team then visited Mali's Shack at Madras and had a feel of local as also DX contacts and then decided on the programme 'Ham Meet 85'.

The preliminary meeting was held at the AIR Studios attended by Station Engineers K. Subbiah, T. Rajagopalan, Dr. Sridhar and their staff on one side and VU2's DZ, BBJ, RS, SV and YFS on the other to discuss the modalities of the operation. Mr. Rajagopalan and Dr. Sridhar took charge of the technical part and VU2DZ, the Ham's part of this exercise.

The World Communication day - Friday, May 17, 1985 was the day the 'Ham Meet 85' was to come on the AIR national Net Work.

A mini recording studio was set up at the shack of Mali VU2DZ and Sri Ganesh of AIR was the engineer in charge. Over ten hours of recording were made and Hams numbering over 50 from all parts of India and over a score from the United States, Japan, Continent, USSR and Canada helped in the recording, which had come out really well and was of broadcast quality. This was the standby.

Ms. Revathi Srinivasan with her sweet voice and winsome manners was chosen the AIR compere and OM Mali for the Hams.

A week nearer the 'D' Day, the activities and testings became a regular feature. The group met at 6.30 AM at the studios of AIR. A 40 M dipole and a 5/8 for the 2 M was erected at the studios. The problems were listed (1) Our Frequency 7.040 MHz should not interfere with their 7.160 MHz and vice versa (2) The reception from the various Ham stations should be of broadcast quality (3) The AIR audio system should be matched to receive our SSB signals and relay them on their network (4) Adequate power supplies had to be got ready (5) AIR staff had to be briefed on the requirements of the day - May 17, 1985 (6) Alternate arrangements in case of interference, either QRM/QRN.

The contacts on the Air went off as scheduled and the course of events became predictable. Mr. R.G. Deodhar, Wireless Adviser, to Government of India was requested to be the moderator. Mr. Chauhan, President FARSI represented the Hams on the board. The publicity was handled by Dr. Sridhar. A press meet was arranged. Over 40 press correspondents attended the meet that was addressed by Mr. R. N. Nair, Station Director, K. Subbiah Station Engineer, and OM Mali VU2DZ.

We had an excellent opportunity to explain our role in the building of our nation. We wanted our Prime Minister, Hon. Rajiv Gandhi (VU2RG), to join us on the Air. He could not, but we had a message from him: 'Amateur radio is a stimulating hobby which has proved useful to society, particularly in times of crisis. Radio amateurs have used their experience with distinction for maintaining communication when normal channels have dropped or were unavailable. I send my good wishes to 'Ham Meet 85'.

Banners announcing 'Ham Meet 85' were displayed. Trailers were run on the AIR network. As a result of the press meet, wide press coverage was given announcing the 'Ham Meet 85'. Doordarshan also joined this group.

The AIR stations at Pondicherry, Madras, Trichy, Trivandrum, Mangalore, to name a few, had sent their engineers to select Hams houses in their area, to assist them.

Ham Meet 85 started as scheduled at 08.21 Hrs on Friday May 17. Since wide press coverage had been given, we are not reproducing the same. The programme lasted over 40 minutes. Doordarshan also covered the programme for 30 minutes between 1900 - 1930 hrs on Wednesday, May 22. These had the desired impact. Appreciation and requests for becoming Ham's started pouring in. MARS already had started the course for ASOC Exam with the 35 members who reported after hearing the programme. The Ham community as a whole is extremely thankful to AIR & Doordarshan and the press - in short has mass media for their cooperation in making known the existence of this hobby to the general public.

Mr. T. Rajagopal and Dr. R. Sridhar of AIR had their own premonitions about the successful completion of this programme. They were worried about the propagation conditions on Ham frequency, QRN, QRM, etc. and advised us to be prepared for any eventuality. So taped versions were kept handy. Alternate frequency and ham stations were kept in readiness. A VHF network organised by OM Ravi VU2RAI was also arranged as the standby. Barring the non-participating ham who tried unsuccessfully to jam our transmission, every thing went on as scheduled. But for this deliberate jamming, for which every Ham would feel sad, the programme was a grand success and achieved its objective of making this hobby known to the public.

All India Radio had the distinction of winning the National Award for their programmes for the World Communication day for last year and the year before. Looking at the excellence of 'Ham Meet 85' and the efforts they had put in, we are sure they will score a hat trick by winning the National Award for their 'Ham Meet 85'.

MODEL L NOW OPEN FOR INDIANS

WPC has now released 1269 and 436 MHz segments for amateur satellite communications to Advanced class and Grade I licencees. Those desirous of operating mode L should apply for and obtain a special authorisation for the use of these segments.

The full notification is reproduced below :

IMMEDIATE

No. R - 11014/6/83 - LR

Government of India
Ministry of Communications
(W.P.C. WING)

Sanchar Bhavan, 20, Ashoka Road, New Delhi - 110 001.

Dated, New Delhi, the 3rd May 1985.

ORDER

1. In pursuance to provisions of rule 13 of the Indian Wireless Telegraph (Amateur Service) Rules, 1978, the Central Government hereby earmarks the following frequency bands for allocation **"On Secondary basis"** to the holders of "Advanced Amateur Wireless Telegraph Station License" and "Amateur Wireless Telegraph Station License, Grade - I" to operate through OSCAR Satellite Station, subject to the terms and conditions specified in para 2 below :

FREQUENCY PARAMETERS :

Frequency band	Mode	Link	Power	Emission
1269.050 - 1269.850 MHz	L	Up	EIRP 30 dBW	A1, A2, A3A, A3J, A3H.
436.15 - 436.950 MHz	L	Down	- do -	- do -

Terms and Conditions :

1. The request for special authorisation to operate Amateur Station in the Satellite service shall be considered on merit of each case and shall be issued subject to :-
 - i. that the application is made by giving full particulars of wireless telegraph apparatus to be used viz. Manufacturer's name & type, Frequency range, R.F. Power output etc. alongwith complete details regarding antenna and the location of the station ;
 - ii. that the location/site of the station is cleared for installation of the antenna by the Secretary. Standing Advisory Committee on Radio Frequency Allocation (SACFA) Sanchar Bhavan, 20, Ashoka Road, New Delhi - 110 001.
2. The special authorisation, shall in addition to the condition specified in rule 10 of the Indian Wireless Telegraph (Amateur Service) Rules, 1978, be subject to other conditions as the Central Government may determine from time to time.
3. The special authorisation may be withdrawn or the conditions contained therein varied at any time by the Central Government.

(S. NALINARANJAN)

Assistant Wireless Adviser to the Government of India.

IMPORT OF ITEMS UNDER OPEN GENERAL LICENSE

The new import policy has been announced for a three-year period till 31st March 1988. To facilitate clearance of equipment under the Open General Licence, which now permits the import of equipment upto Rs.15,000 per year, we reproduce below a verbatim copy of the relevant page of the Import policy "Red Book".

This means that you will be able to import Rs.15,000 worth of equipment in a year without the need for an import licence from the Chief Controller of Imports & Exports, or his subsidiary offices. You still have to apply for and obtain a WPC licence, if you wish to avail of the concessional duty applicable in your case. (Duty-free for the first Rs.10,000 cumulative from April 1984, and concessional rate of duty for all imports beyond that total, but without Rs.15,000 per financial year). Please see editorial on page 1.

The categories of importers, the items allowed to be imported by them under Open General License and the conditions governing their importation are set out below :-

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APPENDIX 6

Items	Categories of eligible Importers
25. Amateur radio communication equipment including kits, accessories (including antenna, retarary motors, feed lines, standing wave ratio bridge) instruments, spares and components. The equipment is to conform within the following frequency ranges and power limitations.	By licensed radio amateurs for their own purpose (evidence shall be produced to the Customs authorities to this effect), provided the ci.f. value of such goods imported in a financial year does not exceed Rs. 15,000. Goods impored shall not be transferred to any individual or party without prior permission of the Wireless Planning & Coordination Wing of the Ministry of Communication, Govt. of India.

I. High frequency (H.F.)

Meter Band	Frequency range	Output power limit
------------	-----------------	--------------------

160 m	1.8 to 2.0 Mhz	150 Watts
80 m	3.5 to 4.0 Mhz	150 "
40 m	7.0 to 7.5 Mhz	150 "
20 m	14.0 to 14.50 Mhz	150 "
15 m	21.0 to 21.50 Mhz	150 "
10m	28.0 to 30.00 Mhz.	150 "

II. Very High Frequency (VHF)

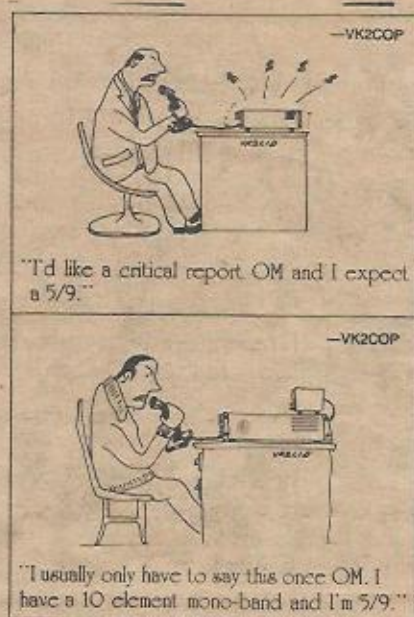
2m	144 to 146 Mhz	25 Watts
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III Ultra High Frequency (UHF)

70 cms	430 to 440 Mhz.	25 Watts.
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NOTE :

The H.F. transreceivers also incorporate either 10 Mhz or in 15 Mhz standard frequency reception facility for calibration purposes.



PROFORMA

To
The Wireless Advisor,
Ministry of Communications,
20, Ashoka Road, Sanchar Bhavan,
New Delhi.

Sir,

Sub: USE OF LICENSED AMATEUR WIRELESS
STATION FOR HANDLING THIRD PARTY
MESSAGES PERTAINING TO NATURAL CALA-
MITIES.

I have the honour to inform you that I
used my licensed amateur wireless station No. _____
Call-sign: _____ Location _____
_____ from _____
(date) to _____ (date) to
handle third party messages for natural calamities
viz. _____
for the following Civil Authority :-

Designation : _____

Address : _____

The total messages handled as above in the
said period was _____. I used
3.5/7/14/28/144 MHz band for the purpose and
in contact with licensed amateur(s)

Name _____

Call-Sign: _____

Address _____

for the exchange of messages.

IMMEDIATE

No.L-1411/17/85-LR
Government of India
Ministry of Communications
(W.P.C. Wing)

Sanchar Bhavan, 20, Ashoka Road, New Delhi-110001.

Dated, New Delhi, the 15th March 1985.

To

All Radio Amateur Societies in India.

Sub: REPORT ON USE OF AMATEUR RADIO
COMMUNICATION FACILITIES FOR CONVEY-
ING THIRD PARTY MESSAGES.

Sir,

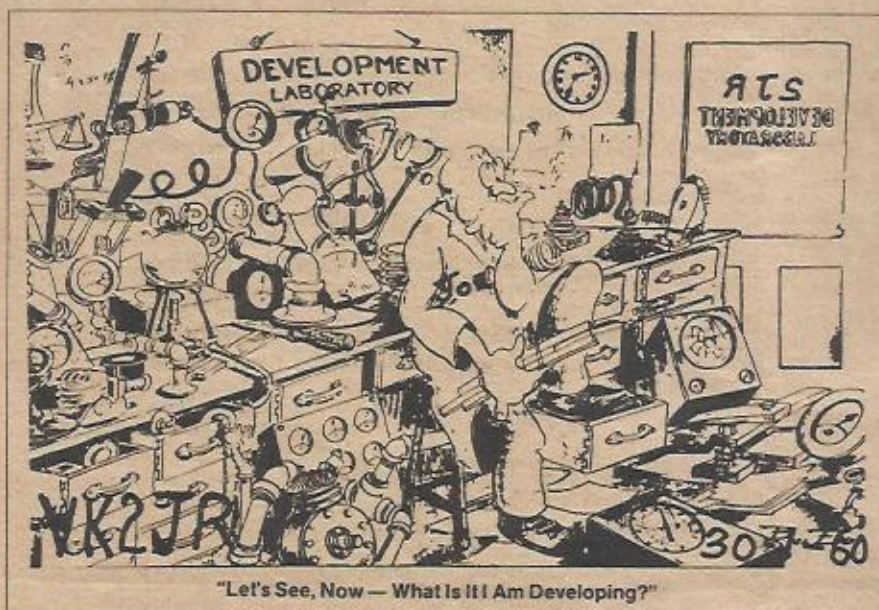
I am directed to invite your attention
to the following provisions in the Indian Wireless
Telegraphy (Amateur Service) Rules, 1978 as
amended :-

According to these provisions some Radio
Amateurs have been passing third party messages
relating to emergency situations etc. It is requested
that a report of such use of radio amateur stations
be sent to this Ministry as required under the
above mentioned provisions. It is also requested
that a report on similar use during past two
years may also be forwarded to this Ministry.
A proforma of furnishing such reports is enclosed
herewith. This may kindly be brought to the
attention of all Radio Amateurs.

Yours faithfully,

(S. NALINARAJAN)

Assistant Wireless Adviser to the Govt. of India.



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6th All India Amateur Radio Convention

Madras 24 and 25 August 1985

We have pleasure in announcing the 6th All India Amateur Radio Convention at Madras in collaboration with the Madras Amateur Radio Society. The original dates of 13th and 14th July fixed for the Convention had to be changed to 24th and 25th August due to Congress Centenary celebrations at Madras scheduled for that week which would have made travel to and from Madras a strain for you.

VENUE

The venue of the Convention is the World University Service Centre (WUS), Spur Tank Road, Madras 600 031. This is a four-storey building with an auditorium on the first floor, and a conference hall on the top floor. There is a branch of State Bank of India on the Ground Floor, which would be handy for encashing traveller's cheques. The auditorium seats 325 in comfortable, push-back cinema seats. The conference hall is planned to be used for the exhibition and other activities.

REGISTRATION

Registration is open to all amateurs, whether call-sign holders or SWLs. If you are an SWL, please write SWL under the call-sign column in the registration form. If you have written the ASOC examination and are awaiting the licenses, write AWAITED in that column.

For more information, talk to us

You can interact with members of the organising committee on the following frequencies and timings:

7040 \pm QRM 0700 - 0830

14200 \pm QRM 0730 - 0830 and 1630 - 1930

The stations most likely to be on these frequencies are VU2CMR, VU2DZ, VU2MV, VU2MSR, VU2NCS, VU2RAI, VU2RJI and VU2SV. They can give you all information, and can clear all your doubts, but cannot accept registration or instructions related to registration, accommodation or railway bookings. These will have to be in writing to be acted upon by the appropriate Committee.

REGISTER EARLY

You are strongly advised to register early, so that you have our responses in hand and can then relax without having to worry. Railway bookings are more easily available 4-6 weeks ahead. By registering promptly, you can be assured of accommodation of your choice and return booking by the

preferred train.

How to get free registration

You can help us to balance our budget, while doing yourself a good turn. For every page of advertisements booked, **along with payment**, you will get one registration free. So if three of you are coming, and you book three pages of advertisements, your registration will be completely free! Your only expense in Madras will then be the accommodation, shopping and sight-seeing! One form is enclosed, but if you want more, just write us a card and we will rush any number of forms that you request. Please make sure that payment accompanies the ad. In case you have already paid your registration fee, you can get a refund by filling a claim form which will be made available during the Convention.

Arrive early and see the city

Please plan to come at least a day in advance. This will enable you to meet the local hams in their shacks, and to do your shopping **with** the family. During the Convention, the family will go sight-seeing while you are "entertained" with useful lectures and demonstrations. Sight-seeing tours can be booked in advance, using the forms that will accompany the acknowledgement of your registration.

What to do at the Station

The reception committee will meet all registrants arriving at Madras Central and Madras Egmore Railway Stations from the morning of Friday 23rd till the morning of Saturday 24th. The person(s) meeting the train will carry a placard, which will make it easy for you to hail him. If you have a 2 meter rig, call on 145.0 and the reception desk at the station will respond and guide you to that place. Our vehicle will take you to your hotel from the station as soon as there are enough persons to fill a vehicle.

Seeing you off

The arrangements to put you back in the train will be available from the evening of Sunday, the 25th till the night of Monday the 26th. You are welcome to stay on longer but you will be on your own after Monday night.

ACCOMODATION

Residential accomodation at The World University Service Centre is intended primarily for students and teachers, though others are not barred. There are 50 rooms and 2 dormitories each with 30 beds, which will be available on a first come-first served basis. Please therefore send in your registrations promptly if you wish to stay at this place. Please indicate alternative if no more accomodation is available at WUS.

HOSTING

In addition to WUS centre and the hotels indicated in the Convention literature, you may be able to find hams who will be willing to host you. This type of hospitality being personal in nature, it can only be worked out by you with the concerned host. In case you have close friendships, the matter is so much simpler and you do not need our advice on how to go about it. Otherwise, we suggest that you talk it over with the Madras hams on the band to see if anyone will offer to host you. The Convention Committee is unable to handle this matter due to logistics problems.

VEG OR NON - VEG

The catering at the Convention will all be vegetarian and it is hoped that non-vegetarian registrants will enjoy the Vegetarian food for a change. Those who are particular about non-vegetarian food can find good restaurants within walking distance from WUS.

There will be breakfasts, lunches, teas and at least one dinner, most of them with compliments. The charges for any meals not covered by sponsors will be nominal and participation in such meals will be optional. At the moment, we are hopeful of finding hosts for all the meals and teas.

VIPs at the Convention

We expect an attendance of around 500, so you can look forward to meeting a large number of people whom you know on the band. There will also be VIPs from the Central and State Governments, WPC, ISRO, the Universities, and other organisations participating in the inaugural functions and in the seminars.

The Programmes

All speakers on Saturday the 24th will be by invitation, selected for their specialised know-

ledge and ability to make a good presentation. The number of lectures will have to be limited to 6 or 8 depending upon the time required by each speaker.

If you have the know-how on any specialised aspect of amateur radio and would like to make a presentation, please send us an outline of the topics to be covered and the audio-visual aids to be used. If your offer fits into the programme, we will send you an invitation to make a presentation.

The Seminar during the forenoon of Sunday, the 25th, on "Communications in the Year 2000" will be by invited experts from various organisations like ISRO, WPC, Door-darshan, Telooms and the communications industry.

Elections

The General Body of the Federation is known as the Governing Council (GC). It consists of one representative (nominee) of each affiliated society and one nominee of each patron. Societies with over 50 members have one nominee for every 50 members or part thereof, subject to a maximum of 8 representatives. These members of the General Council elect the incoming office bearers - The President, 4 Vice Presidents, The Hon. General Secretary, 4 Joint Secretaries and The Treasurer. Three more members of the Governing Council can be coopted with voting rights. Three more non-members of the Governing Council may also be coopted, but they have no voting rights. The General Meeting of the Governing Council is not open to persons who are not its members.

Keeping the others entertained.

During the meeting of the Governing Council, the other registrants, who are not representatives of an affiliated club on the Governing Council (and that covers most of you) will be able to see video tapes of programmes on amateur radio and allied topics. At the end of GC meeting, the names of the new office bearers will be announced and they will take their places on the rostrum. The Convention will then be adjourned after a valedictory address.

Bring your Camera

Those of you who are fond of photography, will find the Convention a shutterbug's paradise. The ruling rate of colour prints is between Rs.2.50 and Rs.3.00 depending upon the size. We hope to operate a roll collection and print delivery desk at the Convention venue. You are welcome to contribute prints of the pictures you take here to RADIO for possible publication.

VU2HAM

A club station VU2HAM will operate from the venue outside the convention hours. You are welcome to visit the station and participate in its activities.

6th All India Amateur Radio Convention

Madras, 24th and 25th AUG 1985

Organising Office

Federation of Amateur Radio Societies of India

3, THIRU-VI-KA-ROAD, MOUNT ROAD, POST BOX 725, MADRAS-600 006

Telephones: 88939, 89939 Telegrams: VISRAM

Dear Sirs,

Amateur Radio is one of a handful of hobbies where technical progress enhances the utility of the hobby to the nation, thus combining pleasure with National Service. The utility of Amateur Radio as a second line of communications has been recognised by Governments worldwide. In India, it has very often been the only line of communications. After the Morvi dam burst and the Bhopal gas leak tragedy, dedicated amateurs provided the only link that the victims and their relatives had with the outside world.

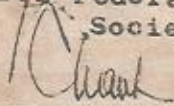
The radio amateurs, popularly known as Hams, have organised themselves into societies in over 50 towns and cities. These societies, in turn, have formed the Federation of Amateur Radio Societies of India, which has endeavoured to protect and promote the interests of Hams in India. The Federation, in addition to its routine activities, including the publication of a monthly journal RADIO, and an All India Directory of licenced Amateurs (known as the CALLBOOK), organises All-India Conventions where Indian Hams not only meet each other, but also hear eminent speakers on latest developments in the field, display and demonstrate equipment built by them and see a variety of commercial equipment available to them.

The Sixth All India Amateur Radio Convention is being held at Madras on the 24th and 25th August 1985. Members of the 50 affiliated societies and a large number of amateurs from places which still have not organised local societies, and an equally large number of those aspiring to become Hams (popularly known as Short Wave Listeners-SWLs) will be participating. Representatives of the Government - Central and State - will also participate in the two-day program.

A Souvenir containing useful reference material will be released on this occasion. This publication will be a landmark in the amateur radio careers of the participants, who will therefore preserve and refer to it for years to come. Advertisements in this Souvenir will get more exposure to relevant readers than any other publication in the Amateur Radio field.

Your advertising support will enable us to make the Souvenir more useful to its readers. We shall appreciate early release of your advertisement.

Yours faithfully,
for Federation of Amateur Radio
Societies of India


M.V. CHAUHAN
President

Specifications

Page Size	:	280 mm x 215 mm
Print Area	:	250 mm x 180 mm
Paper	:	60 GSM Map litho for advertisement pages

Matter can be accepted in any form - block, typed matter, art work, art pull or clean cutting of a previously published advertisement.

Advertisement Tariff

Front Cover	2000
Front Inside Cover	1250
Back Inside Cover	1000
Back Cover	1500
Inside Page	500

Your cooperation in enclosing your cheque for the advertisement will help us in keeping our finances comfortable. You have my personal guarantee that your advertisement will be published in the Souvenir before 24th August 1985, or the amount will be refunded by a bank draft.

M.V.CHAUHAN

Advertisement Release Order

From

Ref :

Date:

The Chairman, Souvenir Committee
6th All India Amateur Radio Convention
3 Thiru-Vi-Ka Road,
Post Box 725
Madras 600 006.

Sir,

We have pleasure in releasing an advertisement for your
Souvenir, as follows :

Size	:	page(s)
Location	:	
Rate	:	

We enclose the matter and our cheque for the value of
this advertisement.

Yours faithfully,

The Streets of Madras

The streets of Madras are safe for anyone will 2100 hrs. After that, stick to the main roads, unless you have the company of a local resident. If you go to the beach, one of most beautiful in India, stay with the crowds after dark. If you stay away, you are likely to be robbed, though the I.G. of Police's office is across the road. There have been no chain-snatching incidents so far in 1985.

The road map forming the cover page of the registration brochure can be useful in locating places. Keep it with you when you go visiting.

Communications within the city

Your 2 meter hand-held can be handy during the Convention week-end. 145.0 and 145.5 MHz will be monitored almost round the clock from the morning of Friday, the 23rd till the night of Monday, the 26th.

HERE ARE SOME USEFUL TELEPHONE NUMBERS :

The Host Organisations	Call Sign	Languages spoken	Office	Home
Federation of Amateur Radio Societies of India				
President : M.V. Chauhan	VU2MV	English Tamil Telugu Hindi Gujarati	88939 89939	849585
Madras Amateur Radio Society				
President : K. Mahalingam	VU2VR	English Tamil Telugu Hindi	412593 412593	412593 414360
Secretary : V. R. Chari	VU2VR	English Tamil	614596 617640	415854

Other Members of the Organising Committee

Name	Handle	Call Sign	Languages Spoken	Office	Home
1. R. Chandramouli	Mowli	VU2CMR	English Tamil	432611 Extn.46	75339
*2. R. Ravi Krishnan	Ravi	VU2RAI	English Tamil	452856 453353	452856 453353
3. Rajiv Rai	Rajiv	VU2RJI	English Hindi	22625	87160
4. K. Kasthuri Rangan	Prakash	VU2RKR	English Tamil	443084	443084
5. S. Venkataraman	Venkat	VU2SV	English Tamil	453847	845109

*Out of India from 13th August '85.

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SHOULD WE INCREASE NOVICE PRIVILEGES

A Notice of Proposed Rule Making, aimed at increasing the operating privileges of Novice Class licensees, may be issued in the near future by the FCC.

According to FCC Special Division Chief Raymond Kowalski, in an interview with **Westlink Report**, the FCC, is "seeing several thoughtful people around the country who are writing or filing petitions, asking us to take a look at enhancing Novice Class privileges."

Kowalski emphasized the fact that this is not another attempt at a No Code license. He said that as far as the FCC is concerned, No Code is a dead issue. On the contrary, he said, "The commission is not considering any sort of codeless Novice Class or any other No Code License. However, some people think that the time has come to expand the privileges of the Novice Class operator".

Kowalski noted that in years past, Novices had voice privileges on 2 meters and therefore, giving the newcomers other modes is neither new nor novel.

The division chief added, "There was a time, too, when the Novice license was first created, that some people feared it would be the ruination of amateur radio. It has not been the case. In fact, 92% of all new hams coming to amateur radio start with the Novice license. Perhaps it's time to make that license more attractive. That was what was at the bottom of the No Code proposal. So, we are indeed considering the possibility of putting out for comment some of the more well thought out proposals that would give Novices additional privileges such as voice, and possibly others."

In his interview with Westlink's Steve Mendelsohn, WA2DHF, Kowalski did not set any time table regarding the release of such an NPRM, but the perceived need for immediate further growth in the ranks of the number of licensed amateurs, as noted by the FCC and the ARRL, would indicate that such a proposal might be forthcoming a little sooner than many hams expect.

While they were unwilling to comment officially at this time, both the ARRL and the newly formed Amateur Industry Task Force to Revitalize Amateur Radio appear to favour such a move, though at least at this time, off the record.

LED BREAKTHROUGH

A blue light-emitting diode has finally been developed. Red, green and yellow LEDs have been around for a long time, but the technical obstacles have finally been overcome. The light is spectrally pure, and is suitable as a calibration source for optical devices. It requires 20ma. at 4 VDC to operate.

GREEN IS GONE

Wayne Green, W-2 "Never-say-die" has severed his formal relationship with ham radio with his resignation as editor of 73 Magazine.

In an announcement made at his 1985 Dayton Hamvention seminar, Green noted, "I have resigned as the editor of 73, and I did this because I really don't want to continue writing editorials on how bad things are and I have no good news for you. We have some areas of amateur radio that are existing and fun, but all you have to do is to look around this room and see how many people came with walkers and in wheelchairs and how few youngsters there are, and you will see what's ailing our hobby. And, if I continue writing editorials, you really would not want to read them."

"I know what needs to be done about this, but I don't know any way to make it happen. I have been going around to service clubs throughout New Hampshire and Massachusetts... and explaining to them the incredible importance of amateur radio to their country."

"I believe that the future of the electronics industry in the United States lies in the health of amateur radio and dies in the sickness of amateur radio, and we have a very, very sick hobby". No successor has been named to Green's editorial post.

ALAN KAUL MOVES TO JORDAN

Alan Kaul, W6RCL, Producer of the ARRL documentary "Amateur Radio's Newest Frontier," has been named Bureau Chief of the new NBC Network News Amman, Jordan bureau. Kaul began his career with NBC more than a decade ago, serving in various capacities including newswriter for the network's Los Angeles station KNBC. He then moved to the network, where he wrote, produced and field produced. Radio amateurs probably best know W6RCL as a part of the original Westlink Radio Network news team. He was a regular anchor man for the weekly newscast until business commitments made time scarce. Some may remember his reports from Teheran, Iran about the loss of amateur radio in that nation after the Ayatollah Khomeini came to power. Alan has also written several articles for amateur radio publications, and is active in hunting DX. In 1983 and 1984 at the request of Roy Neal, K6DUE, he took on the task of producing both the pre-flight and post-flight versions of the ARRL documentary videotape "Amateur Radio's Newest Frontier." Kaul assumes his new post in Amman soon, and plans to be on the air as time permits. He has already been issued the callsign JY9RL. Alan is known our readers as a Contributor to RADIO.

HAM IN SPACE FREQUENCIES

"HAM IN SPACE" Mission Planners have announced that the primary frequency to be used by Dr. Tony England, W4ORE; and Dr. John David Bartoe, W4NYZ; will be 145.55 MHz when the pair blasts off in the next "hammed" space shuttle flight. Word out of NASA's Johnson Space Centre in Houston, Texas, still pegs the launch date for Mission 51-F to be July 15, with the first amateur operations coming as early as the second half of Mission Day Two. The earliest transmissions are likely to be downlinked slow-scan television rather than two-way voice contacts. After Day Three, chances improve for actual two-way QSO's. The limited opportunities for these contacts will be used to fulfill Dr. England's primary interest in working various youth groups paired with ham clubs. Radio clubs which meet specific guidelines will be given access to a special list of unpublished uplink channels to be used for this purpose. The hectic workload of Flight 51-F makes exact pre-scheduling of contacts impossible, but NASA planners have agreed to announce the status of the space operation one orbit ahead of time. NASA-affiliated amateur radio clubs and organizations will help in the distribution of this information, which will also be disseminated by both the ARRL's WIAW bulletin station and daily updates over the Westlink Radio Network's "Ham in Space Hotline", which will go into service 48 hours prior to liftoff. Tnx WA3VJB/ARRL Washington.

NEW BIRD?

The Soviets appear to be getting ready to orbit some new ham satellites according to Dexter Anderson, W4KM, who says that an article appearing in the Russian magazine *Sovietski Patriot* indicates that the RS-9 beacon and transponder is being ground tested in and around the Moscow area. Currently the system is operating as a terrestrial Mode A repeater, with many contacts having been made through the machine. Such a test is usually indicative of an upcoming launch.

CANADA COMMEMORATES PARKS CENTENARY

To help publicize the 100th anniversary of parks in Canada, the Canadian Radio Relay League is sponsoring a "National Parks 100 award". The idea is to earn 100 points by working Canadian stations during the anniversary year. For Canadians, contacts with most in-nation special prefix operations count 5 points. Outside of Canada, all points are doubled. To receive this award, send a copy of your log, which has been certified by two other amateurs, to CRRRL National Parks 100 Award Manager, Gary Hammond, VE3XN, 5 Mc Laren Ave., Listowel, Ontario, Canada N4W-3K1. Please include a donation of \$1 or 3 IRCs.

PACKET RADIO AROUND THE CORNER

West Germany (Via DJ QN) Packet radio is coming on strong throughout Western Europe, with at least 25 stations already on the air in Zurich, Switzerland and more than 50 operational in the Federal Republic of Germany. In 1984, the Bavarian Amateur Packet Radio Group (BAPR) was formed, and this reporter was instrumental in arranging the importation of 25 Tucson amateur packet radio boards. The acceptance was so gratifying that another 25 are on order for delivery in January. Ian Wade, G3NRW, is arranging a similar delivery of TAPR boards to serve the interests of United Kingdom hams. European amateurs needing information on either packet radio or European availability of TAPR boards should write Mitch Wolfson, DJ QN, Furtweg 18D, D-8044, Lohhof West Germany.

Westlink Report

75 YEARS OF VK HAMMING

The Wireless Institute of Australia, which is the oldest amateur radio organization in the world, commemorates its 75th birthday during 1985. To celebrate, WIA has already sponsored a March 10th CW contest and an operation on the 10, 18 and 24 MHz WARC bands on World Amateur Radio Day, which was celebrated on April 18. The Institute continues its year long observance with the WIA-75 Award. To qualify, you must work 75 Australian hams during 1985, and there are other rules as well. Ask a VK for details. Also, listen for special events station VK75A throughout the rest of the year.

DARC FAX AWARD

The Deutscher Amateur Radio Club (DARC) is issuing an award to help promote the use of amateur FAX communication. The award is called the Europa Faksimile diploma, and it is available to all radio amateurs, clubs and SWLs. It is based upon confirmed two-way FAX contacts between hams in different European nations and prefixes. Further information is available from the DARC FAX Manager, Hans-Juergen Schalk, DJ8BT, Ham-marskjoid - Ring 174, D 6000, Frankfurt 50, Federal Republic of Germany. Be sure to include return postage IRCs with any information request.

HAM RADIO RETURNS TO TURKEY

Amateur Radio has returned to Turkey. It took almost two years of work by "TRAC", the national amateur radio society of Turkey, but on January 30, 1985, Dr. Unal Akbal, the former TA1UA, was granted the new call sign TA1A. Dr. Akbal's provisional operating schedule is 0500 to 1800 UTC on Saturdays and Sundays, CW and SSB on 20 and 15 meters.

SPACE NEWS

NASA ANNOUNCES NEXT HAM IN SPACE

Dr. Tony England, WORE, will be the next US amateur to operate a ham station from space. This information was finally made official by NASA during the first week of April. Due to the non-feasibility of installing an antenna system in the cargo bay of the orbiter, Dr. England will be forced to use a window-mounted antenna inside of the orbiter. Since physical dimensions would preclude an effective 10 meter design, that band has been dropped from the planned amateur radio operation. All amateur activity will be confined to 2 meters. WORE will operate both FM voice and SSTV, with a portion of the video operation automated. That is, at times when the station is operating in an unattended mode, it will be downlinking a specific SSTV frame. This might be a crew picture, a view out the window, the flight's official "patch" or something else that Dr. England selects. Most, if not all, voice QSOs will be pre-arranged schedules with schools or radio clubs, though some open operating time may be granted. From the outset, Dr. England has noted his preference to use his operating time to emphasize the educational rather than the competitive aspects of amateur radio. It was for this reason that the joint ARRL/AMSAT flight proposal placed its emphasis in that direction. Clubs and school groups wishing to qualify for an attempt to contact Tony England are advised to write the ARRL at 225 Main street, Newington, CT 06111. The ARRL has agreed to take on the responsibility of selecting the candidates. Equipment to be carried on-board the orbiter will consist of the same type of flight-proven Motorola two meter FM hand-held as was used by W5LFL during his STS-9 mission and a special video SSTV package consisting of a camera, video switcher, frame storer and SSTV transmitter. Several manufacturers, including Robot and Panasonic, have already donated the necessary hardware. While an exact operating schedule is impossible to publish this early in the planning, at least 3 1/2 days into the Spacelab 2 mission will pass before the window is available for mounting the antenna. For the first portion of the mission, the window will have to be kept clear for visual sighting of a deployed satellite. It is also unknown at this time whether the second astronaut-ham on the flight, Dr. John David Bartoe, W4NYZ, will have time to operate. While current plans are for WORE to have between 10 and 20 opportunities to make direct voice contact with amateurs on the ground, there is plenty of reason to believe that Dr. Bartoe will also use the station as his free time permits. Spacelab-2 / Flight 51F is tentatively scheduled for launch in mid July, although this date is far from firm. The responsibility

for selecting operating frequencies has been given to AMSAT and is being coordinated by Bill Tynan, W3XO, who is AMSAT's new Vice President for Manned Space-flight Operations. As was the case during the STS-9 flight, the ARRL will act as liaison between NASA and the news media and will coordinate the release of all information through Paul Courson, WA3VJB, who is the organization's new Public Information officer. A short videotape documentary hosted by Roy Neal, K6DUE, is planned for this second manned amateur radio operation from space. Tnx NASA, ARRL, AMSAT and K6DUE.

DE WA6ITF

MORE OSCAR LANGUAGES

As many as 5 major OSCAR launches could take place within the next 24 months, according to AMSAT (US). The Phase 3-C and the French Arsene amateur birds are now scheduled for orbiting in mid 1986 by the European Space Agency from its launch facility in Kourou, French Guiana using an Ariane 4 booster.

SATELLITE FLYING MAILBOX

The Marshall Amateur Radio Club's Get Away Special (GAS) shuttle experiment will fly again in May. This is because of problems during the last attempt to use it from space. The "flying mailbox" store and forward PACSAT satellite is looking like a good bet for a 1987 launch from the space shuttle, while the Japanese built JAS-1, employing a Mode J transponder, may be in orbit by February of 1986. You can also expect to see one or more Soviet "RS" series birds launched.

SPACE TEACHER : HAM ?

A New Jersey amateur radio operator has been selected as a finalist in the process to choose a teacher as a crew member of an upcoming space shuttle flight.

Jeannine Duane, WB2MBW, has been selected as one of the 118 semifinalists out of some 10,000 teachers nationwide who submitted applications. If finally chosen, her primary duty on board the shuttle would be to operate ham radio gear to communicate with school groups on the ground, and later to deliver QSL cards in person to those with whom she held QSOs.

The project concept was her own, and was submitted as her "project" at the time she applied for the flight.

Later this year, the list of candidates will be narrowed to 10 finalists, from which the selection of a crew member and a back-up will be made. Tnx NASA/Washington, KB1MV, others.

NEW CALLSIGNS FROM MANDYA IN 1985

- VU2RTY Prof. R. Thammiiah, Head. Electrical Engineering Department,
(President Mandya Amateur Radio Club)
P.E.S. College of Engineering,
Mandya - 571 401.
- VU2ITY Mr. M.S. Shivakumar, Asst. Prof., (Vice President, mandya Amateur Radio Club)
Electrical Engineering Department,
P.E.S. College of Engineering, Mandya 571 401.
- VU2PLZ Miss N. Premalatha, Lecturer, Electrical Engineering Department,
P.E.S. College of Engineering, Mandya 571 401.
- VU2GAJ Mr. Gangadhara Gowda, Lecturer, Electrical Engineering Department, P.E.S. College of Engineering, Mandya - 571 401.
- VU2PMY Mr. C.L. Puttuswamy, Lecturer, Electrical Engineering Department, P.E.S. College of Engineering, Mandya - 571 401.
- VU2JUN Mr. Ramanujam
- VU2SSQ Mr. S. Shivakumar
- VU2UKX Mr. N.Q. Shekar
- VU2TIX Mr. S. Ganesh
- VU2NVY Mr. N. Sreenath
- VU2KWY Mr. Krishnand Kudwa
- VU2MXX Mr. M. Nianju Prasad
- VU2MXZ Mr. N. Prasad
- VU2NMX Mr. N. Manjunath
- VU2VSN Mr. V. Saiprasad
- VU2BEZ Mr. U. Benedict
- VU2TPS Mr. T. Parthasarathy

Awaiting Callsigns for the following

Miss. D.R. Srilatha

Mr. R.N. Sreeharsha

Mr. V. Sreedhar

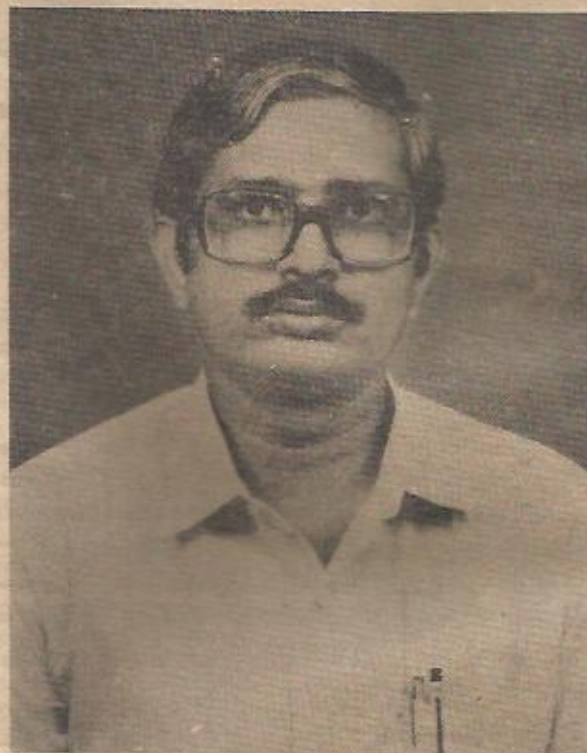
USA RELEASES 24 MHz FOR HAMS

The FCC has released the 24 MHz band to the Amateur Radio Service effective 0001 UTC on June 85. No power limit has been set, so 1500 watts PEP is the maximum allowable power output.

10 MHz band is now officially an amateur band, with a power limit of 200 watts PEP output. This allocation makes it unnecessary for US Hams to operate under the temporary authority granted by FCC some time ago.

COMPUTER COLUMN

Dr. S. Sanjeevi Rao, VU2VIY has a Morse Tutor Programme for Sinclair ZX Spectrum Computer which he can supply to anybody who sends a cassette (C 30/C 45 preferable) and required return postage in stamps. Dr. S. Sanjeevi Rao, VU2VIY, 45-38-58A, Jagannadhapuram, Visakhapatnam 530 016.



BACK INSIDE COVER LOWER

The Guilon Amateur Radio League members OM Sharma VU2LV, OM Thomas VU2TAM, OM Joe VU2FXP, at the invitation of the Radio and Electronics Club of T.K.M. Engineering College, Guilon, gave a live demonstration of HAM Radio and talk at the College on 24th February '85. Over 100 students, staff and some outsiders were present. They all evinced keen interest on HAM Radio.

Photo Shows : VU2LV OM Sharma (First from Left), VU2TAM OM Thomas (Third from Left) & VU2FXP OM Joe (Fourth from Left)

*A warm welcome awaits
you at Madras*

HAMADS

It is not possible for RADIO to monitor the quality of the merchandise or the integrity of the advertiser. The reader is therefore cautioned to use his own judgement while buying equipment advertised in these columns. RADIO will not enter into correspondence either with the advertisers, or with those responding to these advertisements.

I want the ARRL Hand Book issue of 1968 to 1974 (any year between these years) for Reasonable Prices (or) for the Reference Purpose. R. Thamarai Selvan, KG 16, RPSF, Kimber Garden, Trichy-620-023.

Communications—Receiver wanted. Ham Bands only or General Coverage—Model. Please write with Price & Details. Raju Cleetus P. Palliyil, Azhi-code Jetty, Kodungallur, Trichur-680 666.

For Sale: SONY, ICF-2001 FM/AM PLL Synthesized Receiver SSB, CW, Frequency Range, FM76 to 108 MHz. SSB & AM 150 to 29.999 MHz. Scan tuning. Manual tuning. Sleep button. Six stations can be stored. Ask for details. Brand new. Price Rs. 3500/- Raojibhai J. Patel (VU2GD), 172 Television House, Vallabh Vidyanagar 388120 Dist. Kaira Gujarat.

For Sale: One HRO-M Receiver with three extra coils (short wave) and two extra sets of tubes which are used with it. Price Rs. 300/- plus actual packing and forwarding charges. Write or contact to: Dr. N. C. Goyal, 3 MITS Staff Quarters, Residency Road, Gola - Ka-Mandir, Gwalior 474 005. (M.P.)

For Sale: Valves of various Types. Please send stamped addressed envelope. Mr. S. Dutt, P. Box 211, Thane 400 602.

Purchase: TX-For covering all Amateur band. or 20 M, 40 M, 80 M - (50W to 150W). or Second Hand Transceiver. Sale: BC-348 Receiver. Sujaddin N. Shaikh, VU2YFY, C/o. Nizamuddin A. Shaikh, Nanataiwad, Near Hadd Vaidya, Azad Road, Valsad 396 001.

Wanted: One imported HF Transceiver and one VHF Transceiver set both in working condition and recently imported. Mr. I. C. Patel, VU2PTY, Vandana, 223 Panampilly Nagar, Cochin 682 016, Kerala.

Free: Electronic Project Book-1 send 50 paise stamp to Mr. S. L. Prasad, 18, Ranganathan Street, Nehru Nagar, Chromepet, Madras 600 044.

Wanted a HRO Receiver immediately Price Rs. 500/- negotiable and TX - of 50 watt 2 Bander CW, AM, A. M. Kulkarni, VU2ACK, Police Head Quarters, Room No. 19 (H. C. Block) Belgaum.

Interested in Ham Equipments. Mr. K. K. Harindran, Kunchipurayil House, Bettlor Metta, P. O. Kottayam, Malabar, Via Kuthuparamba, Cannanore Dist. 670 643.

Ham News

Change of Qth

VU2YK Rahul Kapoor, C-86, Preet Vihar, New Delhi 110 092.

VU2WC T. K. Seshanandan, 8 786-2, Nedathur Lane, Ranganayukulupet, Nellore - 524 001. (A. P.) Handle: Seshu.

VU2HUZ Umesh H. Ghodke, 508, 11th Cross, West of Chord Road II Stage, Bangalore 560 086. Karnataka.

Mr. Manotosh Das Gupta, 2/21, Sahid Nagar, Dhakuria, Calcutta 600 031.

VU2MSZ Shankar, 410, II Cross, V Main, II Block, III Phase, III Stage, Banashankarai, Bangalore 560 085.

VU2LR R. Sathyanarayanan, 39 Thepperumanallur Road, Kumbakonam 612 001. Handle: SATYA.

New Call Signs

VU2ACK A. M. Kulkarni, Police Head Quarters, Room No. 19 (H. C. Block) Belgaum.

VU2AGD Dr. Arji George, 'Ebenezer' 4 Laxmindranagar, Indrali, Udupi 576 102.

VU2ANZ Anand S. Saxena, Electronics & Elect. Deptt., M.I.T.S., P. O. Residency, Gwalior 474 005.

VU2ATM S. Sundar Atman, P-69, Labour Officers Quarters, 'P' Block, Anna Nagar, Madras 600 040. Handle: ATMAN.

VU2AVX T. R. Arvind, 394, 11th Main Road, 3rd Block, Jayanagar, Bangalore 560 011.

VU2BAN Bhanu Shankar, 159 I Cross, Vasantha Nagar, Bangalore 560 052. Handle: BHANU.

VU2BMG Miss Vijayalakshmi Malani, 27 K. M. C. Quarters, Manipal 576 119. Handle: "VIJU".

VU2BRG Dr. (Mrs.) Beena Goel, C-39 K. M. C. Quarters, Manipal 576 119. Handle: "Rani".

ARRL AND RSGB BOOKS

Send SAE for Price List

K R Associates

Post Box 725

3 Thiru-Vi-Ka Road, Madras - 600 006

New Call Signs

VU2DNL Darayus N. Lakdawalla, Gustad Mansion, 224, J. Dadaji Road, (Tardeo Road), Bombay-400007. Handle: 'DARAYUS' Tele: 371768, 392047.

VU2DPX Abie Kenneth Alexander, Branch Manager, State Bank of India, Zunheboto - 798 620. Nagaland.

VU2GAN A. Gangadharan, Kamaludayan, 269, Pareekadave Road, P. O. Dharamadam, Tellicherry, Cannanore Dist. 670 106. Handle: "GANGA".

VU2GSD H. Gopalakrishna Bhat, Balekumiri, Post Perne, (Via) Uppinangady-574 241.

VU2GTU Sheela Gayatri, 159, I Cross, Vasantha Nagar, Bangalore-560 052. Handle: "SHEELA"

VU2ILU M. Shankar, Kanchana Mallapuram Road, Manjeri P. O. 676121. Kerala Telephone: 321.

VU2JOS Jose Jacob, XII-156, Kattuparambil, Madaplathuruth, Moothakunnam P. O. - Ernakulam Dist. 683 516. Kerala. Handle: "JOS"

VU2JVX Jagadish L. Thakker, 19-1, K. A. Subramaniam Road, Matunga, Bombay-400 019.

VU2KFR Indranil Majumdar, 9, Mandeville Gardens, Flat-5F, Ballygunge Calcutta-700 019.

VU2KPR Krishnamaraja Pethu Raja, Production Manager, Vijay Spinning Mills, Ganguru-521 139 Krishna Dist. (A. P.) Handle: "RAJA"

VU2NA Shashi Purohit, 73, Prachi Society, Shahaji Raje Marg, Vile Parle (East) Bombay-400057. Handle: "SHASHI" Telephone: 6041130.

Duty Exemption Extended Till 31 Dec. 1985

We reproduce here the notification published in the Gazette, extending the exemption from import duty till 31st December 1985. Please note that the limit of Rs. 10,000 included imports made so far, so that the amount of exemption that can now be availed of is the difference between Rs. 10,000 and the value of equipment already cleared under duty exemption.

New Delhi, the 11th April, 1985.

NOTIFICATION

No. 123/85—CUSTOMS

In exercise of the powers conferred by sub-section (1) of section 25 of the Customs Act, 1962 (52 of 1962), the Central Government, being satisfied that it is necessary in the public interest so to do, hereby exempts wireless apparatus, accessories and components specified in the Table below, when imported into India by a licensed amateur radio operator, from the whole of the duty of customs leviable thereon under the First Schedule to the Customs Tariff Act, 1975 (51 of 1975), and from the whole of the additional duty leviable thereon under section 3 of the said Customs Tariff Act, subject to the following conditions, namely:—

- (a) the total C.I.F. value of the said wireless apparatus, accessories and components imported under this notification and the notification of the Government of India in the Ministry of Finance (Department of Revenue) No. 78/84 Customs, dated the 9th March, 1984, taken together does not exceed Rs. 10,000.
- (b) the total C.I.F. value of the said components imported under this notification and the notification of the Government of India in the Ministry of Finance (Department of Revenue) No. 78/84-Customs, dated the 9th March, 1984, taken together does not exceed Rs. 1,000.
- (c) the importer, at the time of clearance, produces a certificate from an officer not lower in rank than an Assistant Wireless Adviser to the Government of India in the Ministry of Communications to the effect that the wireless apparatus, accessories and components in respect of which exemption is claimed are within the value limits specified in the conditions (a) and (b) above, and also recommending the grant of exemption under this notification.

Explanation:

For the purposes of this notification, the expression "licensed amateur radio operator" means a person duly authorised under the Indian Wireless Telegraphs (Amateur Service) Rules, 1978, made under sections 4 and 7 of the Indian Telegraph Act, 1885. (13 of 1885).

Explanatory Note:

This notification has the effect of exempting wireless apparatus, accessories and components, when imported by a licensed amateur radio operator upto a value limit of Rs. 10,000 from the whole of basic and additional duties of customs leviable thereon subject to certain conditions.

TABLE

Sl. No.	Description of wireless apparatus, accessories and components
(1)	(2)
A-Wireless Apparatus and Accessories	
1.	HF transreceiver (combination of transmitter and receiver) meant for Amateur frequencies with accessories in assembled or kit form.
2.	VHF transreceiver (combination of transmitter and receiver) meant for Amateur frequencies with accessories in assembled or kit form.
3.	UHF transreceiver (combination of transmitter and receiver) meant for Amateur frequencies with accessories in assembled or kit form.
4.	VHF/VHF or VHF/UHF Repeater (combination of transmitter and receiver) meant for Amateur frequencies with accessories in assembled or kit form.
5.	Transverter for Amateur frequencies in assembled or kit form.
6.	Grid dip oscillator.
7.	Radio frequency interference filters.
8.	Antenna with or without feeders / antenna rotator for Amateur frequencies.
9.	Balun transformer.
10.	SWR bridge or reflectometer.
11.	Digital frequency counter (upto 600 MHz) with accessories.
12.	Morse reader.
13.	Noise bridge.

B-Components

1. Transistors, diodes, integrated circuits/chips.
2. Thermionic valves or vacuum tubes.
3. Toroidal cores.
4. Quartz crystals.
5. Variable condensers, air-dielectric type.
6. Precision capacitors (fixed type) value(s) between 1 pf to 5000 pf.
7. Relays.
8. Spare ni-cad cells or pack as required or used with items 2 or 3 above (in case of handheld trans-receivers).
9. Rotary switches.
10. Ferrite beads.
11. Slow motion tuning mechanism with or without dials.

2. This notification shall be in force upto and inclusive of the 31st day of December, 1985.

Sd/- (M. N. BISWAS)

Under Secretary to the Govt. of India

F. No. 355/332/84-Cus. I

HAM NEWS

Please keep us informed about changes in your Call book, information. Please send the info on a Government Post Card addressed to RADIO, Post Box 725, Madras 600006.

Change of Qth

VU2KMY to VU2MAL Dr. K. Mallicharjuna Rao, Civil Surgeon: Orthopaedics ESI Hospital 121 Gundala, Vijayawada 520 005.

VU2ARV to VU2EV Ravi Venkatesh, 10, Ganapathy Colony, Madras - 600 018. Address Till April 1985: Room 120, Hostel 4, Birla Institute of Technology, Mesra, Ranchi 835 215.

VU2SPX to VU2PSR S. Prabhakar, 1-1-180/15, Charminar 'X' Roads, Hyderabad 500 020. Andhra Pradesh.

VU2VIZ to VU2GRU G. Gururaja, Computer Centre, N. A. L. Bangalore 560 017 Handle: 'Guru'.

VU2SUY to VU2GOP S. G. Gopalaswamy, No. 9 M. D. M. Road, Fraser Town, Bangalore 560 005. Handle: GOPAL.

Change of Telephone Nos.

VU2RCZ Ramawatar Agarwal, 82, Hirabhai Market, Ahmedabad 380 022 Phone: 54609 to 51109.

VU2IR Shri K. R. Bindu Madhav Rao, 40 Second Main Road, N. R. Colony, Bangalore 560 019. Handle: 'BINDU' Phone: 511761.

VU2YJ Mushtaq Ahmed, 1035, 10th Main Road, R. P. C. Layout, Vijayanagar, Bangalore 560 040. Handle: 'AHMED', TF: (Off.) 70458, (Resi) 356618.

VU2MKK M. K. Kaul, B-3/13 'White House', Safdarjung Enclave, New Delhi 110 029. Handle: 'KAUL' Telephones: Res: 603293 & 607003 Off: 671708.

Auxiliary Duty Also Waived

(Contd. from Page 15)

New Delhi, the 11th April, 1985.

NOTIFICATION

No. 123/85—CUSTOMS

In exercise of the powers conferred by sub-section (1) of section of the Customs Act, 1962 (52 of 1962), read with sub-clause (4) of clause 43 of the Finance Bill, 1985, which clause has, by virtue of the declaration made in the said Finance Bill under the Provisional Collection of Taxes Act, 1931 (16 of 1931), the force of law, the Central Government, being satisfied that it is necessary in the public interest so to do, hereby makes the following further amendment in the notification of the Government of India in the Ministry of Finance (Department of Revenue) No. 95-Customs, dated the 17th March, 1985, namely :—

In the Schedule to the said notification,—

(a) Serial No. 200 shall be omitted ;

(b) after Serial No. 234 and the entry relating thereto, the following Serial No. and entry shall be inserted, namely :—

“ 235 No. 123/85—Customs, dated the 11th April, 1985.”

Sd/- (M. N. BISWAS)

Under Secretary to the Govt. of India.

F. No. 355/332/84—Cus. I

Explanatory Note :—

This notification has the effect of exempting wireless apparatus, accessories and components covered by notification No. 123/85—Customs dated 11-4-85 from the whole of auxiliary duty of customs.

NEW CALL SIGNS

(Contd. from Page 14, Column 1)

VU2NBA Narasimha Bhat, 'Sharada', 37, Anantnagar, Manipal-576 119. Handle: NARASIM

VU2NDA N. Devadasan, Kerala Automobiles, Madannada, Quilon 690 010. Handle: DASAN, Telephone: Off. 6146, Resi. 6149.

VU2NUD Nagesh Upadhaya, 860, 14th Cross, Mahalaxmi Layout, Bangalore-560 086. Handle: NAGESH. Phone: Res. 352945 Rig: SWAN SW 240.

VU2OBY Shoba Gayatri, 159, I Cross, Vasantha Nagar, Bangalore-560 052. Handle: SHOBA

VU2PDG Priyadarshi Goenka, 131, N.S.C. Bose Road, Block XI, Flat VII, Calcutta-700 040. Handle: KIDDY

VU2PUZ P.S. Asokan, South Street, Palani Chetty Patty (P.O.) Theni, Madurai Dist. 626 553.

VU2QMZ Kumar M. Pathan, C/o, Post Master, Head Post Office, Mehsana-384 001.

VU2RJI Rajiv Rai, 5 Commander-in-Chief Road, Madras - 600 105. Telephone: 85260 Handle: "RAJIV"

VU2RMM Ramesh Manikkath, 7 Top Floor, "West View", 220, Sri Balachandra Road, Bombay-400 019.

VU2RQY Selvan, KG 16-RPSF, Kimber Garden Trichy-620 023. Handle: 'SELVAN' Phone: 24590.

VU2SEN Diptangsu Sen, 1/421 Gariahat Road(s), Calcutta - 700 068.

VU2SGD Dr. Sumant Goel, C 39, K.M.C. Quarters, Manipal-576 119. Handle: "SUMANT"

VU2STH S. Tharian, L. No. 1990, No. 5, Harrington IV Avenue, Chetput, Madras-600031

VU2TSN Sudhakaran Thiyan-chery, Vijaya Bhavan, Ponoth Road, Kaloar, Cochin 682 017. Handle: "SUDHA" Telephone: Office 31656.

VU2VDY Capt. Varun Deo Misra A-1016 Indira Nagar, Lucknow-226 016.

VU2VIX Vineet Kumar, A6/290A Paschim Vihar, New Delhi-110063 Handle: "VEEKAY", Telephone: Off.: 271960, 274113.

VU2VIY Dr. Sanjevi Rao, S.M.D., Door No. 45-38-58A Jagannadhapuram, Visakhapatnam-530 016.

VU2VMY Sathyanarayanan Raghavachary, 9, Sri Ram Colony, Nanganallur, Madras - 600 061. Handle: "SATY"

VU2YFY Sujauddin N. Shaikh, Beside Head Vaitya, C/o. Nizamuddin A. Shaikh, Nana Taiwad, Azaad Road, Valsad-396 001.

VU2NAX Ashim Purohit, 73, Prachi Society, Shahaji Raje Marg Vile Parie (East) Bombay-400 057, Handle: "ASHIM" Telephone: 6041130.

6th All India Amateur
Radio Convention
MADRAS
24-25 August 1985.



HAM RADIO DEMONSTRATION
QUILON AMATEUR RADIO LEAGUE
TKMCE RADIO CLUB,
ELECTRONICS ASSOCIATION-85



