



IARU REGION 1 NEWS

August 2001

INTERNATIONAL AMATEUR RADIO UNION REGION 1

CQ DE PA0LOU

The IARU Region 1 Executive Committee of the International Amateur Radio Union Region 1 at its April meeting reviewed the progress made in technology development in Amateur Radio.

Mention was made of the development of the digital modes such as PSK31 and MFSK16.

MFSK 16 followed closely on the heel of PSK31 raising the digital performance bar even higher. All one needs to get in on the action is a computer, a sound card and free download of software.

These developments put an end to the pronouncements of some doom prophets that the dawn of the computer age and the internet will kill amateur radio. To the contrary, these new developments will augur well to bring the younger generation back into the fold.

The only difference is that we need to talk about these developments and engage young people in schools, colleges, technical colleges and Universities. It is a job that all national member societies should engage in. Attached to this addition of Region 1 News is a media release that you should customise and take to your local newspapers and radio services.

AMSAT OSCAR 40

Since the launch of AMSAT OSCAR 40 there was a lot of talk of it being a failure. Yes, many things went wrong but in true amateur spirit the ground control teams continued work on restoring the systems on board the satellite. It is not if one could take the next space vehicle and travel to the satellite to fix the problem. It all had to be done from the ground. By carefully analysing the telemetry and developing various new commands, the satellite is now operational.

The success that the teams have achieved is remarkable and no doubt with their perseverance we will see many more operations restored. Congratulations!

IARU Region 1 supports the development work carried out by the amateur satellite community and will continue to represent their interest and support the satellite service in international forums

We are proud of the technical and scientific contributions the amateur satellite community is making to give credibility to the notion that the amateur service continues to provide technical innovation in the field of communication.

Visit our web pages:

www.iaru-r1.org

CALLING AFRICAN SOCIETIES

The SARL has joined forces with the IARU to present a workshop on the eve of the ITU Telecom Africa 2001 which will be held in Johannesburg, South Africa from 12 – 16 November 2001.

The Amateur Radio Calling Africa workshop will be held on Saturday 10 November 2001. African Societies are urged to attend the workshop and to engage their governmental delegations to arrange one or more of their team members attending the ITU conference to attend the workshop.

Details of the workshop can be found in this newsletter as well as on the IARU Region1 web pages: www.iaru-r1.org.

In the last two editions of Region 1 News I appealed to you to provide me feedback on the 7MHz lobby action your society is planning. Please email or fax me. I look forward to hearing from you soon.

73

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ITU ADOPTS RECOMMENDATION ON AMATEUR QUALIFICATIONS

*The International
Telecommunication Union (ITU) has
adopted new Recommendation
ITU-R M.1544,
Minimum qualifications of radio
amateurs.*

In consideration that certain minimum operational and technical

qualifications are necessary for the proper operation of an amateur or amateur-satellite station, the document recommends that at minimum, any person seeking an amateur license should demonstrate theoretical knowledge of specific topics in the areas of radio regulations, methods of radio-communication, radio system theory, radio emission safety, electromagnetic compatibility, and avoidance and resolution of radio frequency interference

"The international Radio Regulations have long required that administrations take such measures as they judge necessary to verify the operational and technical qualifications of any person wishing to operate an amateur station," observed International Amateur Radio Union Secretary David Sumner, K1ZZ.

"In anticipation of changes that are likely to be made in the amateur and amateur-satellite service regulations at the next World Radio-communication Conference, the new Recommendation provides additional definition to these qualifications without reducing the prerogative of an administration to set its own standards."

M.1544 represents part of a multi-year effort by the International Amateur Radio Union to prepare for the 2003 World Radio-communication Conference (WRC-03) agenda item to consider possible revision of Article S25 of the international Radio Regulations.

This work was begun in 1996 with the release for public comment of a discussion paper by the IARU: "Future of the Amateur Service

Committee (FASC)" The final report of FASC in 1998 recommended that the IARU Administrative Council plan the development of such a Recommendation. The first draft text was submitted by the Radio Society of Great Britain to the 1999 Conference of IARU Region 1 in Lillehammer, Norway, and was subsequently refined by the Administrative Council and the 2000 Conference of IARU Region 3 in Darwin, Australia. IARU representatives guided the consideration of the Recommendation through ITU-R Working Party 8A, Study Group 8 and consultation with administrations, which resulted in additional refinements. The final version of the Recommendation was approved by the ITU administrations without objection.

"Having this Recommendation makes it possible to maintain an ITU document on amateur radio operator qualifications under cognizance of an ITU-R Study Group rather than the more cumbersome process of modifying Article S25 of the Radio Regulations," said IARU President Larry E. Price, W4RA.

"The establishment of uniform minimum qualifications for amateur radio operators should help mutual recognition of amateur licenses for international roaming and particularly for cross-border movement of amateur operators for disaster communications."

ITU Recommendations are available from the ITU electronic bookshop: <http://ecs.itu.ch/cgi-bin/ebookshop>.

INTERNATIONAL MEETING AT HAMRADIO ATTENDED BY OVER 40 COUNTRIES



Karl Erhard Vögele, DK9HU

More than 18 000 Visitors enjoyed in excellent weather conditions the International Amateur Radio Exhibition, Hamradio, held in Friedrichshaven, Germany from June 29 to July 1. Over a third of the visitors came from abroad. They represented associations from more than 40 countries. 300 companies were present showing the latest products. The large flea market area covered 8000 square metres and offered everything related to amateur radio and electronics.

DARC, sponsoring organisation, was pleased to welcome the presidents, representatives and members of more than 40 IARU societies. Among them were the President of IARU, Larry E. Price, W4RA, Dave Sumner, K1ZZ, Secretary of the IS, the Chairman of IARU Region 1 Louis van de Nadort, PA0LOU, the Director of Region 2, Rod Stafford, a Director of Region 3 Yoshiji Sekido, JJ1OEY and the Chairmen of the IARU Region 1 Committees and Working Groups, Carine van Pottelsberghe/C. Ramon, ON7LX, (C4 HF-Committee), Christian M. Verholt, OZ8CA (EMC WG), Arie Dogterom, PA0EZ (C5, VHF/UHF/Microwaves Committee), Gaston Bertels, ON4WF, (EURO-COM Sub-regional WG) and Rainer Flößer, DL5NBZ, (ARDF WG).

International meeting

The Informal International Meeting was held under the chairmanship of Hans Berg, DJ6TJ, DARC International Liaison Officer. 20 IARU societies as

well as representatives of the IARU IS, Regions 1, 2 and 3 joined this meeting on the Saturday.

Ron, OE3REB, president OeVSV, proposed that as a principle all possible



IARU R 1 WG meetings in between conferences are held in conjunction with Ham Radio. The main reason he quoted was that a large number of IARU Region 1 Member Societies attend Hamradio. He however stressed that such WG meetings should be formal meetings. His proposal was welcomed by the delegates present.

ÖVSV and DARC introduced their conference papers proposing reorganisation of the Region into districts and a new financial system. Societies were asked to take those papers into consideration for ongoing discussions leading up to the IARU Region 1 Conference in September 2002 in San Merino. Visit the DARC website for papers: www.darc.de

The IS, the Regions as well as the different Regional WGs presented short reports.

The representative of ARA (Algeria) addressed the meeting on the situation in Algeria. It was the first time that the Algerian Amateur Radio Society attended Ham Radio.

Delegates complimented the DARC on its organisation and the facility for several Societies to be represented on one exhibition stand.

Before closing the meeting the chairman informed that starting with 2003 Ham Radio will be held at a new location near the Friedrichshafen airport with conference centre facilities.

The detailed minutes of the International meeting will be published on the DARC web site www.darc.org.

Sessions of the Committees and Working Groups

The DARC supplied the rooms and technical support for the meetings of the four IARU Region 1 Working Groups. There was some criticism prior to the meetings, about the announced informal character of some of them. It

was stated by the R 1 Chairman that only a full IARU Region 1 conference is entitled to make decisions. He said that it is however counter productive if problems are allowed to overtake us. "We need to find solution before small issues become big ones." The discussions were constructive discussions with good outcomes.

EUROCOM and EMC Working Group joint meeting

Diethard Hansen, DK2VQ, HB9CVQ, reported on a measurement campaign to assess the interference level of an ASCOM Powerline Communication (PLC) installation in Switzerland, in which he had been assisted by volunteers of USKA. Great care had to be taken on the proper calibration of all components of the equipment (one loop aerial had been defunct and would have given too low field strength levels). Finally it could be proved that ASCOM was operating its net under conditions which produced an interference level 10 dB above the German NB30 limits.

With regard to similar measurement campaigns planned in Germany for the near future, it was generally accepted that the German administration would have a rather low level of confidence if these measurements would be carried out by radio amateurs only, without the assistance of a competent and well acknowledged EMC institute. It has also been noted that the presentation which Hilary Clayton-Smith, G4JKS, had given on the PLC workshop of the European Commission (which had been well accepted by many participants of this event, not only by the radio users) has been regarded very inappropriate by the German administration.

This clearly indicates that the German administration is (at least directed to be) in favour of PLC, and that German radio amateurs will have to take this into account when arguing and negotiating on PLC interference matters.

A draft was produced for a coordinated strategy against PLC also referred to as Powerline Telecommunication (PLT) , which will be circulated to both groups for input and comment. This will empower IARU Region 1 member societies to act in an efficient manner against PLT. Additional actions by the EC are also planned.

C4, HF-Committee

The HF committee held its meeting Friday afternoon. There were 17 participants to the meeting and 12 different countries were represented. The 160 metre proposal of EDR and the SARL proposal for 24 hours SSB on 10 MHz were discussed. After a lengthy discussion there was no support for both the proposals.

DARC opened the discussion on the HF Bandplan to find a workable solution for new digital modes. DK9HU, EC co-ordinator for the PLT/PLC problem explained the current situation. LA2RR informed the meeting on the work carried out by SP5FM regarding 7 MHz and 136 kHz.

C5, VHF/UHF/Microwaves Committee

The purpose of this informal meeting, so introduced Chairman PA0EZ, was to exchange views of the VHF/UHF/MW Committee in order to start preparing for the C5 meeting in San Merino next year. A report of this meeting will be an input paper to the conference.

The committee had two sessions. The agenda of this meeting was based on the draft proposals and other papers of the cancelled Vienna-meeting.

The Saturday-meeting dealt with band-planning matters (50 MHz, 145 MHz, 435 MHz). Main topic was a draft proposal originated by EDR on a revised 70-cm-bandplan for Region 1. The discussion focused on the question of reforming the whole band plan in order to meet the ISM-problem of those

countries with a reduced allocation of only 6 MHz.

The minimum solution to be acceptable by the next conference may be the change of the beacon band for the entire region and creating regional solutions for repeaters and other uses. In Region 1 the frequency used for APRS is 144.800 MHz. There is an interest in retaining usage for cross-band linear transponders with output on the 144 MHz-band.

The Sunday-meeting discussed a paper originated by the C5 frequency allocation coordinator DK2NH. The question was raised in that paper whether the Region 1 committee C5 needs an allocation co-ordinator. There is on-going interest having such a responsible person in C5. The lack of information from the societies should be cleared by modern IT means and publication via IARU-Region 1 web site.

Based on the question of DK2NH the Chairman of C5, PA0EZ and LA8RR informed about further activities concerning frequency-management on behalf of Region 1. It was pointed out by the meeting that better information from/to Region 1 officers and the national responsible persons involved in frequency allocation matters is necessary and of great help to co-ordinate actions towards ITU, CEPT and national authorities.

The final report of the DSI phase 3 recommended a usage for an amateur satellite downlink in the 1260-1270 MHz Band. The ERC adopted this recommendation with the question of sharing-criteria with the primary user. For the WRC 2003 it is of great importance to place this item on the shopping list for the agenda of the WRC 2005/6. Action of all societies is necessary immediately.

As SP5FM was not present. A written report was tabled. SP5FM pointed out in his general remarks, that IARU needs

more volunteers who would be able to assume particular responsibilities in the External Relation Committee ERC structure.

For more details on all these matters see VHF UHF MW NEWSLETTER EDITION 30, July 2001.

IARU Visitors at the Headquarters of DARC and the DARC Company "DARC Verlag GmbH"

The Secretary of IARU, also General Manager of ARRL, Dave Sumner, K1ZZ, visited together with his Assistant Manager David Patton, NT1N, the headquarters of DARC and the DARC Company "DARC Verlag GmbH". The guests discussed matters of common interest like IARU matters, matters of joint actions, new products and amateur radio projects with the Manager of "DARC Verlag GmbH" Heinrich Kamper, DK4EI and IARU Liaison Officer of DARC, Hans Berg, DJ6TJ. Technical assistant Dietmar Austermühl, demonstrated the DARC QSL service system and the QSL card distribution machine. This apparatus handles approximately 6 million incoming QSL-cards p.a. and distributes them in a mechanical-electronically way to the DARC local clubs. This service is also handled for an IARU-member society.

CALLING AFRICA

In conjunction with the International Amateur Radio Union (IARU) the South African Radio League (SARL) will be holding a one day workshop on the eve of the ITU Telecom Africa 2001 which will be hosted by South Africa in Johannesburg from 12 – 16 November 2001.

The workshop "Amateur Radio for Africa" will be held on Saturday 10 November at the National Amateur Radio Centre in Roodepoort (near Johannesburg). The workshop will provide delegates with information and guidelines on how to develop the

Amateur Service in their country and how to introduce Amateur Radio into schools.

The International Amateur Radio Union will be exhibiting at Africa Telecom showing the value that Amateur Radio can bring to the developing world. "Amateur Radio for Africa" is so arranged that delegates to Africa Telecom 2001 will be able to include the workshop in their itinerary.

To receive a workshop registration pack, send an email to cpas@intekom.co.za with contact details.

The SARL broadcasts a special one-hour programme about Amateur Radio to Africa on Sundays at 10:00 Central African time (CAT) 08:00 UTC in the 13 metreband on 21560 kHz and in the 31 metreband on 9750 kHz. The programme is repeated on Mondays at 20:00 CAT (18:00 UTC) in the 90 metreband on 3215 kHz.

IARU REGION 1 CONFERENCE

The IARU Region 1 Conference will be held in San Marino at Casa San Giuseppe.

The address details are:
Via delle Felci, 3, 47893 Valdragone,
Repubblica di San Marino
Tel. +378 549 903121
Fax + 378 549 907595

The host Society is the ARRSM (Associazione Radioamatori Della Repubblica di San Marino).

The approximate cost of the hotel per person, per day in a single room is CHF 175, in a double room the cost is CHF 140 and in a family room CHF 125. This price is for FULL BOARD i.e. breakfast, lunch, dinner, and two coffee breaks every day of the Conference. The cost of the Final Dinner is CHF 55, and lunch on day of arrival is CHF 35.

These costs also include mineral water and a quarter litre of wine or beer.

The Opening Plenary Meeting will take place on Sunday 15 September 2002 and the Final Plenary on Friday 20th September, 2002.

Full details have been mailed to all Member Societies. To find out more visit the IARU website regularly: www.iaru-r1.org.

4th IARU HST WORLD CHAMPIONSHIPS

June 6-10 Constanta, Romania

The 3rd IARU High Speed World Championships that were held in Pordenone, Italy is still green memory and we already have brought the fourth one to a successful close. This time the Romanian Radioamateur Society (FRR) was host of the event and the competition took place from 6th to 10th June 2001 in Constanta, Romania. Participants were accommodated at the Hotel Pelikan, situated at the Black Sea coast. On the top floor an amateur radio station was set up with the special call YR0HST and at the same time the hotel was the venue of the Championships.

Wednesday was the day of arrival and registration and the official opening ceremony was held in the evening. Among the guests there were representatives of local authorities as the mayor of Constanta. FRR president, mayor of Constanta and Chairman of the Jury addressed the competitors. Following that a nice party had been held on the beach. Late in the evening the HST Working Group made a session and approved the membership of the International Jury and the program for the championships.

The International Jury consisted of:

Chairman: László Weisz HA3NU
Secretary : Bratu Radu YO4HW
Technical Ref : Ionescu Octavian
YO3GAF

Members of the Transmitting Jury 1 :

Ivan Ivanov LZ1PJ
Frank Grossmann DL2CC
Andrei Yurtsev ER1YA

Transmitting Jury 2:

Alex Timonin EU7KH
Oscar Verbanck ON5ME
Dusan Ceha YU1EA

For the remaining tests Jury members were appointed from BFRA, SRR, DARC, RSM, HRS, FRR and CRC.

On Thursday competitors of all categories took part in the Receiving tests. In the late afternoon they began the transmitting; RUFZ (callsign receiving); and PED (pile up trainer) tests. It was the first time the new PED version had been used, compiled special for HST.

On Friday, the competition continued until every competitor had finished all the tests. It was 9.30 in the evening when the last competitor finished her RUFZ test and the competition came to an end.

On Saturday there was a sightseeing in Constanta, followed by lunch at the seacoast. In the evening the closing ceremony of the Championships was held in a nice folklore centre, followed by a hamfest.

There were participants from 16 countries (China first time) but looking at the first places of the results, as usually, it would seem that there were only Belorussians and Russians taking part. It is known, the field is divided between these two countries and the rest. Despite this, representatives of six countries received medals and nine countries were placed 1st to 6th in the

various events, mainly due to the Radio Amateur Practising Tests which are based on 'everyday' HAM operating. This test must be the key to future growth of the participant because it is part of the HAM's experience and here is the best chance to achieve good results.

All in all, the competition was successful, with performances even higher than two years ago in Italy that resulted 8 new world records. What is important the holder of world records in the "classic radio amateur tests" (RUFZ, PED) are two youngsters with age of 17 with unbelievable scores: Denis Kostyrko RV9CSI made 169261 points and Tanja Azderska Z30RS171 made 106421 points. The next Championships is planned to take place in 2003 in Minsk, Belorussia, when I hope we will be able to welcome a few more new countries.

László Weisz HA3NU,
HST Co-ordinator, IARU Region 1.

RESULTS

Winners in each category

Category/Call Speeds
Individual Tests:

Receiving

Letter Figures Mixed

A (Junior Females)

RV9CPW 320 440 290

B (Junior Males)

RV9CSI 300 470 270

C (Females)

EU7KT 290 470 270

D (Males)

EU7KI 340 520 330

E (Senior Females)

EW1YL 260 340 240

F (Senior Males)

UA3VBW 300 440 250

Transmitting

(Categories as above)

A RV9CPW 237 338 223

B RV9CSI 253 299 243

C EW1AAH 285 352 249

D EU7KI 289 441 308

E EW1YL 207 197 178

F UA3VBW 228 283 210

Radioamateur Practising Tests:

(Categories as above)

	RUFZ	PED
A RV9CPW	103428	2202

B RV9CSI	169261	2798
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C Z30RS171	106421	2180
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D EW8NW	142023	2852
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E EW1YL	44560	1912
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F Z32OK	60717	2422
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Individual Champions

(Top scorer in each Category across all tests)

A RV9CPW

B RV9CSI

C EW1AAH

D EU7KI

E EW1YL

F UA3VBW

Final Team Places:

1. Belarus
2. Russia
3. Romania

CONGRATULATIONS

The views expressed in IARU Region 1 News are those of the author and editor and do not necessarily reflect the views of IARU Region 1

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