



# IARU REGION 1 NEWS

March 2001

INTERNATIONAL AMATEUR RADIO UNION REGION 1

## CQ de PA0LOU

In Dutch we have a well known saying "onbekend, onbemind", directly translated into English meaning that if no one knows you, no one can love you. Is that not more and more the case with Amateur Radio? Our service has to compete with so many other activities that unless we make a concerted and co-ordinated effort our voice will be lost in the noise.

The population at large does no longer have short-wave radios in their homes, instead FM radios built-into hi-fi sets, home theatres and other entertainment gear. We seldom transmit on AM, so the chances that some one picks up a radio amateur on his home radio are very remote.

Yet Amateur Radio has kept up with new developments. Radio Amateurs all over the world are still the back-rooms boys that develop new technologies and techniques, the only difference is that not many people hear about these achievements. Just think of the many new digital techniques, satellites and the ongoing work in propagation studies.

We can change this situation by taking an co-ordinated approach. In this edition of IARU Region 1 News, you will find a number of ideas which member societies can use to promote the amateur and amateur satellite service. Let us co-ordinate our efforts around World Amateur Radio Day on April 18.

Here are some ideas:

- *Send Emails to as many people you have on your records to focus on World Amateur Radio Day. We have included some messages that you could use.*
- *Send a story or two to the local media and radio stations. In this newsletter there are some stories you can adapt and localise.*
- *Arrange to talk on local radio. We have included some material you can adapt for local use.*
- *Arrange as much activity on the air during that week as possible. Hold an QSO party on the night of April 18 and get your country's amateurs talking to each other. Ask every participant to invite a friend into the shack.*

I am sure that you may have many more ideas. Let's make April 18 the day the world talks about the Amateur Radio Service.

Please tell with us what you have achieved, by sending an Email to the PR committee at [iaru@intekom.co.za](mailto:iaru@intekom.co.za) so that they can prepare a report to share with all member societies as an idea pool for the future.

73

Lou van de Nadort PA0LOU  
Chairman IARU Region

**MEMBER SOCIETY  
NEWS**

**NEW BOARD ARRSM**

At the General Assembly of A.R.R.S.M. (San Marino Republic) held in February 2001, the following Executive Board as elected for the next two years.

*President and IARU Liaison Officer*  
Julian Giacomoni T77J re-elected

*Vice President*  
Tony Ceccoli T77C re-elected

*Secretary*  
John Cecchetti T77CD elected

*Treasurer*  
Silvio Conti T77CS re-elected

web site <http://inthenet.sm/arrsm>  
e-mail [ggiacomoni@omniway.sm](mailto:ggiacomoni@omniway.sm)

Visit the San Marino Conference  
Website: [www.inthenet.sm/arrsm](http://www.inthenet.sm/arrsm)

The Email address for the conference organisers is: [iaruconference@inthenet.sm](mailto:iaruconference@inthenet.sm)

**DARC LAKE CONSTANCE  
CONVENTION**

The German Amateur Radio Society (Deutscher Amateur Radio-Club e.V) will be holding its fifty second Lake Constance Convention in conjunction with the HAM RADIO International Amateur Radio Convention from Friday 29 June to Sunday 1 July 2001 in Friedrichshafen on Lake Constance.

DARC have been able to obtain a special discount at the hotel and can offer you a room at 170.00 DM single or 240.00 DM double per night including breakfast. All

reservations should be made through DARC.

The official opening of the convention will take place on Friday 29 June 2001 at 10:00.

The Informal International Meeting for representatives of IARU member societies will be held Saturday 30 June at 9:30.

As usual DARC will hold a cocktail-reception at the SEEHOTEL on Friday 30 June in the

To reserve accommodation please return the enclosed form by 20 May at the latest to: Deutscher Amateur-Radio-Club e.V. HAM RADIO 2001 Lindenallee 4 D – 34225 Baunatal

Name: .....

Callsign: .....

Organisation/Society:  
.....

Address:  
.....

Tel: .....

Fax: .....

Email: .....

I / we will be attending HAM RADIO 2001 Please reserve the following accommodation at my/our expense:  
..... Double room at DM 240,00 per night

..... Single room at DM 170,00 per night

Date of Arrival: .....

Date of departure:.....

Signed: .....

Date: .....

## ARSK ELECTS NEW COMMITTEE

At the Annual General Meeting of the ARSK { Amateur Radio Society of Kenya } the following were elected as the officials for the year 2001.

Chairman/Secretary/Treasurer:  
E.H.M. (Ted) Alleyne, 5Z4NU

Dep. Chairman:  
Rob Linck, 5Z4RL

QSL and Awards Manager:  
Waldo Goossen, 5Z4BJ

ARSK Net Manager:  
Hermann Sachse, 5Z4RT

Shack:  
Hemant Patel, 5Z4HP

IARU Representative:  
Max Raicha, 5Z4MR.

## POWER LINE COMMUNICATION LONG FROM BEING SOLVED IARU PUTS UP A STRONG CASE

*Gaston Bertels, ON4WF*  
*EUROCOM Chairman*

Over 100 participants gathered in the PLC forum Workshop held in the EC Baraldini room, Brussels on March 5th, 2001 and chaired by Mark Bogers, DG Enterprise.

Representatives of several national regulatory authorities assisted (Germany, France, Belgium...), as well as representatives of NATO, BBC, Deutsche Telekom and military.

The amateur radio service was represented by Hilary Clayton-Smith, G4JKS, RSGB EMC consultant, Erich Lemke, DJ1BD and Gaston Bertels, ON4WF, EUROCOM chairman.

## 1. Presentations

- Chairman Bogers opened the Workshop by drawing attention on the standardisation issue for PLC. PLC is not a radio service and there is no regulatory spectrum issue as such.

The density of PLC networks can be of considerable influence. To preserve HF users from interference, the chimney approach has been put forward, but no consensus was reached on the efficiency of proposed measures.

In the EU, EMC limits setting is delegated to standardisation bodies. If standardisation mechanisms don't work, the European Commission can deliver a special mandate to try and solve the problem.

- Ludwig Hiebinger, PLCforum's Technical and Regulatory Working Group's chairman, introduced PLC. He referred to pilot projects in different European countries, offering several Mb/s wideband communications to test groups of 10 to 250 end users.

Standards for EMC limits have been drafted but no consensus has been reached by the standardisation bodies. Hot spots are the coupling factor (injected power versus emitted electrical field) and the requested radiation limit of 50 dB ( $\mu\text{V}/\text{m}$ ) at 10 meters distance.

The presentation referred to a Dortmund university study.

- Klemens Gutmann presented the Palas project, targeting a market of 27 million potential users in Europe.

A stumbling-block are different national regulations. The network termination should be defined as being the metering cabinet and not the final plug.

- Bernard Desprez, France Telecom reported on the ERC SE35 workgroup he is chairing.
- Hilary Claytonsmith, G4JKS, RSGB EMC consultant, was introduced by chairman Bogers as spokesperson for the amateur radio community in the EU.

Hilary briefly presented the amateur radio service and stressed the threat PLC represents to amateur radio. Even with 20 dB "notches" in amateur bands, as proposed in the chimneys' approach, the remaining 30 dB ( $\mu\text{V}/\text{m}$ ) is unacceptable and would mask all but the strongest amateur signals.

RSGB measurements in UK suburban locations show day time noise levels below the ITU-R "rural" level (ITU-R PI 372/6 publication).

Proposed PLT injection levels are far in excess of the EN 55022 "B" conducted emission limits. Being a cable network, PLT should be subject to the same limits as other cable distribution networks, e.g. EN 50083-8 limits for cable television networks.

Moreover, "Access" PLT is an intrusive system as it is present in all premises connected to a power network, whether required or not. Interference prohibiting HF radio broadcast reception could be in contravention to Article 10 of the European convention on Human Rights.

The Amateur Service cannot live with PLT if its emissions exceed existing harmonised standards. Even existing limits are too high for broadband signals using multi-carrier modulation.

- Mel Maudrell, NATO, presented the viewpoint of the organisation's HF Radio working group (1.6 - 30 MHz).

He said not all military can use satellite communications. Moreover, there is a need to have systems independent of any relay.

For very short paths and for communications to mobiles, HF is often the only solution. Military have often to cope with lossy antennas and very low signals. Even a 3 dB increase of the noise floor would cause severe problems. The actual noise floor is presently 20 dB lower than the former ITU measurements.

- Jonathan Stott, BBC recalled the unique HF property of creating usable skywaves. This is a valuable asset for national and for international broadcasting without third party gatekeepers.

He referred to Digital Radio Mondiale, a world-wide consortium of broadcasters created to develop digital broadcasting in the HF bands.

Almost all EU countries have an international HF broadcasting service. This represents a significant voice to inform the world. Moreover, it contributes to develop European unity.

PLT represents a serious threat to HF users. Power cables are not designed for broadband digital communication and interference is inevitable. Cumulative effects can lead to disturbances over large distances. Radio listeners cannot take any steps to reduce the problem.

- George Rigopoulos presented the HomePlug Powerline Alliance (HomePlug), an American not-for-profit corporation formed to provide a forum for the creation of open specifications for high speed home powerline networking products and services.

The proposed system is to comply with US FCC 47CFR Part15

Field trials are underway for Access and Indoor systems. Certification is needed and exclusion zones will be provided.

This approach is quite different from the situation that would exist if a harmonised European standard were introduced for PLT.

- A representative of the ETSI PLT working group reported on the drafting of standards under the presumption of conformity with EU Directives.

Efforts tend to assure compatibility between PLT systems.

- John Ryan, secretary of SC205A, commented the work done by CENELEC. SC205A covers mains communications systems.

The existing CENELEC norm EN 50065-1 covers PLC below 148,5 kHz. The norm defines output levels, frequency bands and coexistence issues between utility systems.

For PLC above 148,5 kHz, a working group 10 has been created within SC205A. A norm has been drafted for a European specification prES59013 to assure coexistence between Access and in-house PLC systems. Voting is scheduled for 28 March 2001.

WG10 is also developing a norm for broadband PLC, similar to EN50065-1.

Three task groups have been created :

1. PLT Access
2. Home Networks
3. In-situ measurements

First meeting June 2001.

A joint working group has been set up with ETSI to develop standards for telecommunication networks, CATV, LANS and PLT. This JWG

has not yet started work. An initial meeting is scheduled for May 17th, 2001. Where ETSI is developing system standards, CENELEC is working on norms for the physical layer, up to the data link.

The JWG encounters difficulties to liaise with CISPR/G.

A synoptic table of the impressive number of bodies working on PLT issues was shown.

## 2. Panel session

During lunch break, a position paper prepared by the RSGB EMC Committee was deposited on each seat. This paper is appended.

Mark Bogers chaired the panel session. Here is a summary of the session highlights.

- Leo Koolen, EC reported on the "unbundling of the local loop". Up till now, 91 % of the end user market is still run by the original companies. But there has been a dramatic price reduction.
- Among the various means for increasing competition at the local loop level, PLT is one of the possibilities.
- A German network company owner stressed the importance of the organisational aspects of unbundling the local loop. If the main company does not offer sufficient facilities to the local loop market, the customer quits.
- A Spanish company representative said that in Spain PLC testing is going on in 200 households, and that there are no complaints from HF users, not even from radio amateurs living in the same building. Radiation from overhead lines in rural areas is

reduced by limiting the power input to the needs of the fewer customers. PLT should not be forced to lower EMC limits than ADSL.

- A German independent said that there is lack of evidence for the radiation data produced by the PLT promoters, because the testing measurement methods are not clearly defined. One should decide upon a common measurement set-up. Discrepancy results from differences in viewpoint. The UK measurements were done from the reception viewpoint and the German measurements from a statistical viewpoint, NB30 being a compromise. The same rules should apply for xDSL and PLT networks.
- Equipment is covered by the EMC Directive. But there is no standard for the lines.

### 3. Conclusion of the workshop

Chairman Bogers observed that many different workgroups are trying to fix the PLT issue. To solve the problem, the EC could decide to deliver an explicit mandate to one body, CENELEC being the best positioned.

### 4. EUROCOM

EUROCOM was invited by DG Enterprise to present the amateur radio viewpoint to a workshop hosted by the European Commission. This is a first.

Hilary Claytonsmith, G4JKS accepted to do the presentation. Hilary did an excellent job. Her presentation of the radio amateurs' viewpoint was warmly welcomed. Her questions and her answers during the panel session attested a solid knowledge of EMC issues.

All in all, amateur radio consolidated its position as a technically valuable partner on the European Union scene.

*The position paper can be downloaded from the IARU Region 1 Web: [www.iaru-r1.org](http://www.iaru-r1.org)*

The views expressed in IARU Region 1 News are those of the author and editor and do not necessarily reflect the views IARU Region 1  
Editor: Tim Hughes G3GVV  
Email [THughesG3GVV@compuserve.com](mailto:THughesG3GVV@compuserve.com)  
Convenor IARU Region 1 Public Relations Committee: ZS6AKV  
[hans@intekom.co.za](mailto:hans@intekom.co.za)

### **SPECIAL WORLD AMATEUR RADIO DAY BROADCAST AMATEUR RADIO MIRROR INTERNATIONAL Date: 18 April 2001**

1400-1455 UTC to India/Pakistan  
Frequency: 21725 kHz (13 metre band)

1800-1855 UTC to Southern Africa  
Frequency: 3215 kHz (90 metre band)

1905-1955 UTC to Central and North Africa  
Frequency: 17590 kHz (16 metre band)

2005-2055 UTC Western Europe  
Frequency: 15475 kHz (19 metre band)

0200-0255 UTC on 19 April (18 April in North America)  
Frequency: 9585kHz (31 metre band)

QSL ADDRESS: P O Box 90438,  
Garsfontein 0042 South Africa. Please include 2 IRC's for return postage  
Email: [armi@intekom.co.za](mailto:armi@intekom.co.za)

## I A R U DIRECTORY (15 March 2001)

### REGION 1 EXECUTIVE COMMITTEE

#### **Chairman:**

Louis van de Nadort, PA0LOU  
Tel.and Fax: +31 76 597 2375  
Laarpark 34 4881-ED Zundert, the  
Netherlands  
Internet: [LvandeNadort@compuserve.com](mailto:LvandeNadort@compuserve.com)  
CompuServe: 100423,3053

#### **Vice Chairman:**

Mustafa (Tafa) Diop, 6W1KI  
Tel: +221 822 1643; +221 822 1843  
Fax:+221 822 9726  
33 rue Paul Hulle, (B.P.2276)  
Dakar, Senegal  
Internet: [tdiop@ucad.refer.sn](mailto:tdiop@ucad.refer.sn)

#### **Secretary:**

R.J. (Tim) Hughes, G3GVV  
10 Farm Lane Tonbridge, Kent  
TN10 3DG England  
Fax: +44 1732 36 8019  
CompuServe: 106701,1423  
Internet:  
[Thughesg3gvv@compuserve.com](mailto:Thughesg3gvv@compuserve.com)

#### **Treasurer:**

Elisee Bismuth, F6DRV  
Tel: +33 235 222075 + 227162  
Fax: +33 235 216481  
21 Avenue du general Archinard  
F 76600 Le Havre, France  
Internet: [F6DRV.bismuth@wanadoo.fr](mailto:F6DRV.bismuth@wanadoo.fr)

#### **Members:**

A. Razak A. Al-Shahwarzi, A41JT  
Tel: (W) +968 621708  
Tel: (H) +968 537777  
Fax: (W) +968 621882  
Fax: (H)968 53999  
P.O.Box 933, Seeb, Code 121  
Sultanate of Oman  
Internet: [shawarzi@omantel.net.om](mailto:shawarzi@omantel.net.om)

Karl Erhard Voegele, DK9HU  
Tel: +49 6136 89030  
Fax: +49 6136 81252  
Pfarrer Falk Strasse 17A  
D 55270 Klein-Winternheim,  
Germany  
Internet: [KEVOEGELE@t-online.de](mailto:KEVOEGELE@t-online.de)

Ole Garpestad, LA2RR  
Tel: (H) +47 64 951826  
(Mobile) +47 90 820972  
Fax: (W) +47 22 638936  
Fax: (H)+47 64 951556  
Brages Vei 14  
No - 1540 Vestby  
Norway  
Internet: [olgarpes@c2i.net](mailto:olgarpes@c2i.net)

Wojciech Nietyksza, SP5FM  
Tel. and Fax: +48 22 7580161  
Mazurska 11  
05-806 Komorow, Poland  
Internet: [nietyksza@pol.pl](mailto:nietyksza@pol.pl)

Hans van de Groenendaal, ZS6AKV  
Tel.: +27 12 991-4662  
Fax: +27 12 991-5651  
Mobile Fone: +27 82 553 4539  
P.O.Box 09438  
Garsfontein 0042, South Africa  
Internet: [hans@intekom.co.za](mailto:hans@intekom.co.za)

#### **IARU, Region 1 Office**

Audrey Jefcoate, Office Manager  
Tel: +44 1823 672146  
Fax: +44 1823 673161  
Fossend, Burlescombe, Devon  
EX16 7 JH, England  
E-mail: [Compuserve 106531,3107](mailto:Compuserve 106531,3107)  
Internet: [IARUR1OFFICE@compuserve.com](mailto:IARUR1OFFICE@compuserve.com)

List of IARU Region 1 Member  
Societies can be found on the  
IARU Region 1 Web pages.

Check [www.iaru-r1.org](http://www.iaru-r1.org)

**CHAIRMAN/CO-ORDINATORS OF  
COMMITTEES/WORKING  
GROUPS**

**Chairman C4, HF Committee**

Carine Ramon, ON7LX  
Tel: +32 51 686225 and 688127  
Bruggesteeweg 77  
B - 8755 Ruiselede, Belgium  
Internet:  
[ON7TK-ON7LX@village.uunet.be](mailto:ON7TK-ON7LX@village.uunet.be)

**Chairman C5,  
VHF/UHF/Microwaves Committee**

Arie Dogterom, PA0EZ  
Tel. and Fax: +31 35 6241408  
Eikenlaan 11, 1213 SG Hilversum,  
the Netherlands  
Internet: [pa0ez@amsat.org](mailto:pa0ez@amsat.org)

**Chairman ERC, External Relations  
Committee**

Wojciech Nietyksza, SP5FM  
Tel. and Fax: +48 22 7580161  
Mazurska 11 05-806 Komorow,  
Poland  
Internet: [nietyksza@pol.pl](mailto:nietyksza@pol.pl)

**Chairman HF-Contests Sub-Group**

Paul O'Kane, EI5DI  
Tel: +353 1295 3668  
36 Coolkill Dublin 18, Ireland  
Internet: [paul@ei5di.com](mailto:paul@ei5di.com)

**Chairman ARDF**

Rainer Floesser, DL5NBZ  
Tel.: +49 911 311995  
Fax: +49 911 325418  
Flensburger Str. 6  
90427 Nuernberg, BRD  
Internet: [dl5nbz@darf.de](mailto:dl5nbz@darf.de)  
CompuServe: 100712,544  
(preferred)

**Chairman Radio Regulatory WG**

John Bazley, G3HCT  
Tel. and Fax: +44 1564 795231  
Brooklands, Ullenhall  
Near Henley in Arden

Warks. B95 5NW, England  
CompuServe: 101552,262  
Internet: [101552.262@compuserve.com](mailto:101552.262@compuserve.com)

**Chairman EMC WG**

Christian M. Verholt, OZ8CY  
Tel: +45 38 806100  
Fax: (W) +45 39 966102  
Laerkebakken 6  
DK2400 Copenhagen NV, Denmark  
Internet: [cmv@ds.dk](mailto:cmv@ds.dk)

**Chairman STARS WG**

Hans Welens, ON6WQ  
Tel.(H): +32 3 290 5857  
Fax.(W): +32 3 489 3885  
Mechelsesteenweg 45  
2500 LIER, Belgie  
Internet: [on6wq@freegates.be](mailto:on6wq@freegates.be)

**Chairman AFRI-COM Sub-regional  
WG**

Vacant.

**Chairman EURO-COM Sub-  
regional WG**

Gaston Bertels, ON4WF  
Tel. and Fax: +32 2 7716774  
Avenue Paul Hymans 117 box 29  
B-1200 BRUSSELS, Belgium  
Internet: [gaston.bertels@chello.be](mailto:gaston.bertels@chello.be)

**Co-ordinator HST-Contests**

Laszlo Weisz, HA3NU  
Internet: [jozsi@kvantum.tolna.net](mailto:jozsi@kvantum.tolna.net)  
P.O.Box 169,  
7100 SZEKSZARD, Hungary

**IARU-MS Co-ordinator**

Ron Roden, G4GKO  
Tel./FAX: +44 1273 842491  
27 Wilmington Close  
Hassocks, West Sussex, BN6 8QB,  
England  
Internet: [ronroden@cwcom.net](mailto:ronroden@cwcom.net)



**IBP Co-ordinator**

Prof. Martin Harrison, G3USF  
 1 Church Fields NEWCASTLE,  
 Staffs., ST5 5AT, England  
 Internet: [m.harrison@pol.keele.ac.uk](mailto:m.harrison@pol.keele.ac.uk)

**IPHA Co-ordinator**

Agnes Tobbe-Klaasse Bos,  
 PA3ADR/VK2GWI  
 Tel: +61 2 4981 9246  
 Internet: [tobbe@bigpond.com](mailto:tobbe@bigpond.com)  
 3 Eucalytus Drive,  
 One Mile Beach, 2316 NSW,  
 Australia

**Chairman Ad Hoc Financial  
 Advisory Committee (FAG)**

Don Beattie, G3BJ  
 Tel/Fax: (weekdays)+44 1276  
 452469  
 Tel: (weekends) +44 1296 748 354  
 Fax: (weekends) +44 1296 748 486  
 Tel: (W) 44 1276 477  
 Fax: (W)1276 477652  
 Stone, Aylesbury Mayerin,  
 Churchway Bucks HP17  
 8RG538England  
 Internet: [g3ozf@btinternet.com](mailto:g3ozf@btinternet.com)

**Chairman Ad Hoc WG on  
 Constitutional and Administrative  
 Matters(CAM)**

Arne Juul Arnskov, OY1A  
 Tel.: +298 31 1740  
 Lauritsargota 11A  
 FO-100 Torshavn, Faroe Islands  
 Internet: [saja@post.olivant.fo](mailto:saja@post.olivant.fo)

AMATEUR RADIO MIRROR  
 INTERNATIONAL

*Produced and presented weekly  
 by the South African Radio  
 League*

**Sundays 08:00 UTC  
 9750 and 21560 kHz  
 Mondays 18:00 3215 kHz**

**IARU International Secretariat**

Attention: David Sumner, K1ZZ  
 Tel: (W) +1 860 594-0205  
 Tel:(H) +1 860 742-0858  
 IARU International Secretariat  
 Tel: +1 860 594-0200  
 Fax:+1 860 594-0259  
 P.O.Box 310905 NEWINGTON, CT  
 06131-0905 USA  
 Internet: [dsumner@arrl.org](mailto:dsumner@arrl.org)

**IARU ADMINISTRATIVE COUNCIL  
 (A.C.)****President:**

Larry E. Price, W4RA  
 Tel: +1 912 681-3034  
 Fax: +1 912 681-7023  
 P.O.Box 2067  
 Statesboro, GA 30459-2067 USA  
 Internet: [lprice@iaru.org](mailto:lprice@iaru.org)

**Vice President:**

David A.Wardlaw, VK3ADW  
 Tel.: +61 3 9857 8346  
 Fax.: +61 3 9882 2370  
 21 Tormey St. North Balwyn, Vic.  
 3104, Australia  
 Internet: [100355.3124@compuserve.com](mailto:100355.3124@compuserve.com)

**Secretary:**

David Sumner, K1ZZ  
 Tel: (H) +1 860 742-0858  
 IARU International Secretariat  
 (W) +1 860 594 0205 (direct)or 0200  
 Fax: +1 860 594-0259  
 P.O.Box 310905 Newington, CT  
 06131-0905, USA  
 Internet: [dsumner@arrl.org](mailto:dsumner@arrl.org)

**President Emeritus:**

Richard L. Baldwin, W1RU  
 Tel.: +1 (207) 529 5781  
 Internet: [w1ru@lincoln.midcoast.com](mailto:w1ru@lincoln.midcoast.com)

**Regional representatives:****Region 1**

L. van de Nadort, PAoLOUand  
 R.J.(Tim) Hughes, G3GVV

(for addresses, phone numbers etc.  
see list Region 1 Executive  
Committee)

### **Region 2**

Thomas B.J. Atkins, VE3CDM  
Tel: +1 416 494-8721  
Fax: +1 416 493-8843  
55 Havenbrook Blvd.  
Toronto, ON M2J 1A7 Canada  
Internet: [Ve3cdm@pathcom.com](mailto:Ve3cdm@pathcom.com)

Alternate Member:  
Reinaldo Szama, LU2AH  
Tel.: +54 1 776-2503  
Fax.: +54 1 613-3004  
Tel: (H)+54 1 477-1313  
Gorostiaga 2320 -P.15-1426  
Buenos Aires, Argentina  
Internet: [lu2ah@evnet.satlink.net](mailto:lu2ah@evnet.satlink.net)

### **Region 3**

Fred Johnson, ZL2AMJ  
Tel: +64 4 528-8313  
Fax: +64 4 528-2173  
15 Field Street Upper Hutt, New  
Zealand  
Internet: [fredj@clear.net.nz](mailto:fredj@clear.net.nz)

(Region 3 rotates its members on  
the Administrative council amongst  
the Directors, except for the  
Chairman of Directors who is a  
permanent AC member)

### **REGION 2 EXECUTIVE COMMITTEE**

#### **President:**

Thomas B.J. Atkins, VE3CDM  
Internet: [Ve3cdm@pathcom.com](mailto:Ve3cdm@pathcom.com)  
55 Havenbrook Blvd.  
Toronto, ON M2J 1A7, Canada

#### **Vice President and acting interim**

#### **Secretary:**

Reinaldo Leandro, YV5AMH

Internet: [rleandro@cantv.net](mailto:rleandro@cantv.net)  
P.O.Box 2285, Caracas 1010A  
Venezuela

#### **Treasurer:**

Noel E. Donawa, 9Y4NED  
Internet: [9y4ned@tstt.net.tt](mailto:9y4ned@tstt.net.tt)  
98 Sapphire Drive, Diamond Vale,  
Trinidad

#### **Directors:**

Dario Jurado A., HP1DJ  
Internet: [hp1dj@ns.sinfo.net](mailto:hp1dj@ns.sinfo.net)  
P.O.Box 55-0812, Paitilla,  
Panama, Republic of Panama

Guillermo Nunez, XE1NJ  
Internet: [xe1nj@supernet.com.mx](mailto:xe1nj@supernet.com.mx)  
P.O.Box 21-386, Mexico City, D.F.  
Mexico

Rodney Stafford, W6ROD  
Internet: [w6rod@arrl.org](mailto:w6rod@arrl.org)  
5155 Shadow Estates,  
San Jose, CA 95135, USA

Jorge Luiz Vescia Lunkes, PT2HF  
Internet: [jlunkes@zaz.com.br](mailto:jlunkes@zaz.com.br)  
P.O.Box 33  
70359-970 Brasilia, Brazil

### **REGION 3 BOARD OF DIRECTORS**

#### **Director/Chairman:**

Fred Johnson, ZL2AMJ  
Tel.: +64 4 528-8313  
Fax: +64 4 528-2173  
15 Field Street Upper Hutt, New  
Zealand  
Internet: [fredj@clear.net.nz](mailto:fredj@clear.net.nz)

#### **Directors:**

Young-Soon Park, HL1IFM  
Tel.: +82 2 741-6335  
Fax: +82 2 741-5337  
8 Samsun-Dung 3-ka  
Sungbuk-ku, Seoul, Korea  
Internet: [parkys@uriel.net](mailto:parkys@uriel.net)  
Yoshiji Sekido, JJ1OEY,

Tel.+Fax: +44 20 7600 0041  
1 Love Lane London EC2V 7 JN ,  
England  
Internet: [sekido@japan-telecom.co.uk](mailto:sekido@japan-telecom.co.uk)

Peter J. Naish, VK2BPN  
Tel.+61 2 9871 2971  
Fax: + 61 2 9873 6973  
25 Arkena Avenue  
Epping. NSW 2121,  
AustraliaInternet: [petern@nlc.net.au](mailto:petern@nlc.net.au)

K.C. Selvadurai, 9V1UV  
Tel. +65 253 2026  
Fax: +65 253 9017  
13 Kheam Hock Road Singapore  
298787  
Internet: [9v1uv@sarts.org.sg](mailto:9v1uv@sarts.org.sg)  
Or Singapore  
[selva@singnet.com.sg](mailto:selva@singnet.com.sg)

#### **Secretary:**

Keigo Komuro, JA1KAB  
Tel.: +81 3 3944-3322  
Fax: +81 3 3943-8282  
P.O.Box 73, Toshima  
TOKYO 170-91, Japan  
Internet: [iaru-r3@jarl.or.jp](mailto:iaru-r3@jarl.or.jp)

### **INTERNATIONAL CO- ORDINATORS AND ADVISERS**

#### ***IARU Monitoring System***

##### ***International Co-ordinator:***

R.E. Knowles, ZL1BAD  
Tel. and Fax: + 64 9 2328 775  
412 Main Road, Onewhero RD2  
Tuakau 1892, New Zealand  
Internet: [zl1bad@xtra.co.nz](mailto:zl1bad@xtra.co.nz)

#### ***IARU Beacon Project International Co-ordinator:***

Robert S. Fabry, N6EK  
Tel: +1 510 527-7655  
1175 Colusa Ave  
Berkeley, CA 94707-2727, USA  
Internet: [fabry@verio.com](mailto:fabry@verio.com)

#### ***IARU EMC Adviser:***

Christian M. Verholt, OZ8CY  
Tel.: (H) +45 32 520152  
(W)+45 39 966101  
Fax: +45 39 966102  
Graekenlandsvej 140, 1  
DK-2300 Kobenhaven S.  
Denmark  
Internet: [cmv@ds.dk](mailto:cmv@ds.dk)

#### ***IARU Satellite Adviser:***

Hans van de Groenendaal, ZS6AKV  
Tel: +27 12 991-4662  
Fax: +27 12 991-5651  
P.O.Box 90438 Garsfontein 0042,  
South Africa  
Internet: [hans@intekom.co.za](mailto:hans@intekom.co.za)

### **WORLD LIGHTHOUSE AWARD SET OF RULES**

#### **INTRODUCTION**

The "World Lighthouse Award", WLH, is an award created and inspired by two open sea navigational enthusiasts and amateur radio operators from Brittany, F5SKJ and F5OGG. They appreciate and recognize the importance of offshore lighthouses. The WLH Award was developed to promote radio expeditions that operate from lighthouses. They wanted to pay tribute to those isolated lighthouse keepers who sacrificed their lives while being buffeted by storms and difficult seas. Since the advent of radio, the improvements in navigation and digital electronics, man's presence as lighthouse keepers on those isolated islets has become less important. This should not diminish the significance of their contributions or the importance of this award.

#### **ARTICLE 1.**

The WLH (World Lighthouse Award) has been developed by F5OGG, F5SKJ, F6DGT, F-17511 and W9DC

and provides a worldwide award for confirming contacts by Amateur Radio with approved lighthouses effective from July 1, 1997.

#### **ARTICLE 2.**

Valid Lighthouses for this award are considered high sea Lighthouses corresponding to the theme and criteria of the WLH. They include lighthouses located on islands, islets or rocks surrounded by fresh or salt water.

The island on which the lighthouse is located must not have a local administration or city and must not have a significant resident population and is isolated from the benefits of the mainland.

The light beam generated by the lighthouse will have a luminous reach:

> 10 Nautical Miles for a white light and  
> 8 Nautical Miles for a color light.

For a luminous reach less than above, the height of the lighthouse will have to be > 15 meters.

One or more lighthouses on a single island will be assigned only one reference number (annex 1 of the WLH directory).

*The book "Fires and Signals Lighthouses" as well as French marine maps published by SHOM serves as the official reference for determination of lighthouses valid for the WLH award.*

#### **ARTICLE 3.**

Coastal lighthouses built on the mainland are not valid. Also excluded are those lighthouses built on regularly inhabited islands as well as cardinal sea markers, channel beacons, signal stations, lightship and lighthouse breakwater or bridge lights.

#### **ARTICLE 4.**

A valid lighthouse will be assigned a reference number. It will be designated LH followed by an ordinal number such as LH 0001 for the lighthouse on Louet Island (France), LH 0002, LH 0003, LH xxxx.

### **EXPEDITIONS**

#### **ARTICLE 5.**

Organizers of expeditions must obtain all required licenses and approvals from the owners and other legal authorities to visit and operate a radio station from the lighthouse or its adjacent properties.

For an expedition to receive approval as valid for a LH reference, the following action is required:

- Complete the "File of Validation for Lighthouse Expeditions" which may be obtained from a WLH Checkpoint, Contact point or Management Committee (see hereafter). It must include at least one photograph showing the lighthouse and operators with the radio station equipment or antennas.

The file of validation and the photograph must be sent to the WLH Management Committee or to an approved WLH checkpoint or Contact point (article 24 and annex 2 of the WLH directory).

It is desirable that the LH reference number of the Lighthouse be placed on the QSL to facilitate the attribution for the WLH diploma and, when appropriate the name of the island for the IOTA award.

#### **ARTICLE 6.**

A new LH reference number may be obtained from the Management Committee or the WLH checkpoint (article 24 and annex 2 of the WLH directory).

#### **ARTICLE 7.**

WLH lighthouse expedition activators may apply for the "Medal of the WLH Expedition":

- Bronze medal is for 5 expeditions to at least 3 different LH lighthouses.
- Silver medal is for 10 expeditions to at least 6 different LH lighthouses.
- Gold medal is for 15 expeditions to at least 9 different LH lighthouses.

#### **ARTICLE 8.**

Members (Licensed radio operators and SWLs) participating in a LH expedition will receive a Card of Validation giving them one credit for the WLH Diploma as well as the Expedition Medals.

#### **ARTICLE 9.**

The expedition must answer all QSLs received either directly or via the bureaus.

#### **ARTICLE 10.**

#The Management Committee reserves the right to disqualify any expedition that does not comply with these rules or the rules of Amateur Radio.

#### **ARTICLE 11.**

A list of LH reference numbers is available from the Management Committee, WLH checkpoint or official Contact point (annex 2 of the WLH directory).

#### **ARTICLE 12.**

The WLH Management Committee or another organization, with the agreement of the WLH Management Committee, may propose, sponsor, organize and manage a worldwide contest.

#### **ARTICLE 13.**

The creators, the Management committee, WLH Checkpoints and Contact Point are not responsible for any accident or other incident that might happen during or associated with expeditions to lighthouses. The activities of expeditions remain the entire responsibility of the participants.

#### **THE AWARD**

#### **ARTICLE 14.**

The different WLH Diplomas are as follow (annex 3 of the WLH directory):

H.F bands including WARC bands.

- WLH 50 LH of the world in CW mode.
- WLH 50 LH of the world in SSB mode.

- WLH 50 LH of the world in mixed mode (CW and SSB).
- WLH Africa in mixed mode.
- WLH North America in mixed mode.
- WLH Central America and West Indies in mixed mode.
- WLH South America in mixed mode.
- WLH Antarctica and Arctic in mixed mode.
- WLH Asia in mixed mode.
- WLH Europe in mixed mode.
- WLH Oceania in mixed mode.

*Details regarding application for the WLH Continental awards will be announced at a later date.*

6 metres, VHF and UHF bands

- WLH 15 LH of the world in mixed mode (CW and SSB).

Endorsements for the WLH Diploma are awarded for:

- 10 new LH for world HF diplomas.
- 5 new LH for 6 meters/VHF/UHF diploma.

Endorsements will have to be requested exclusively between 01 January and 31 March of each year.

#### **14-1.**

Contacts with maritime mobile stations near lighthouses, whether or not they operate with a /MM callsign, will not be accepted.

QSOs utilizing relay station, satellite and packet radio are not valid.

#### **ARTICLE 15.**

All contacts made by the applicant must have been made from the same geographical region (DX country). Whenever an applicant uses more than one callsign, he must be able to verify that those calls were licensed to him at the time of the contacts.

#### **ARTICLE 16.**

*The diploma and endorsements may be obtained by submitting an alphanumeric list of lighthouses utilizing the order of the LH number. The list (annex 4) must include the callsign of expeditions, date of the QSO, UTC time, Band, RST and mode. QSLs must be included along with return postage and fees for the award. An application with the requested awards must be sent to the WLH Award Management Committee or to your WLH checkpoint (article 24 and annex 2).*

#### **ARTICLE 17.**

##### ***Honor Roll:***

The Honor roll can be achieved by contacted 70 % of all lighthouses activated since 01 July 1997 exclusively for HF world diploma. The number of LHs required for the honor roll will be available from the WLH Checkpoints, Contact points and the WLH web site on 01 January of each year.

The Honor Roll will be announced during the annual WLH convention (held when possible during the month of June).

#### **ARTICLE 18.**

This award is open to SWLs under the same conditions as those holding valid radio licenses.

#### **ARTICLE 19.**

WLH checkpoints will be able to verify diplomas and endorsements.

Checkpoints, Contact Points or WLH Management Committee will be able to review and validate expeditions pending final approval by the Management Committee.

#### **ARTICLE 20.**

The Management Committee's decisions concerning all issues of the WLH Award including expeditions will be final.

#### **ARTICLE 21.**

*Request for the Medal of the WLH Expedition may only be requested from*

*the WLH Award Manager. The request must include submission of the Validation Cards from expeditions earned by the activator (article 24 and annex 2).*

#### **ARTICLE 22.**

The WLH Award Manager is F6DGT, Guy Maillard, 27 Avenue Chanzy, F 44000 Nantes, France.

#### **ARTICLE 23.**

The schedule of charges may be obtained from the WLH Checkpoint or from annex 2.

#### **ARTICLE 24.**

Information about this award may be obtained from all WLH Checkpoints, Contact points or from the Management Committee.

Address of the Management Committee:

Letter: WLH Award, 18 Allee Roch-Bihen, F 44510 Le Pouliguen, France

WLH web site and E-mail :

<http://wlh.free.fr> or <http://wlh.online.fr>

via E-mail [wlha@free.fr](mailto:wlha@free.fr) or

[wlha@online.fr](mailto:wlha@online.fr)

or via E-mail of each checkpoint.

#### **ARTICLE 25.**

The creators of this award and the Management Committee reserve the right to modify the rules, but those expeditions that have been validated prior to modifications will be maintained.