



Headquarters - Info - Line

... a service from ...

The New Zealand Association of
Radio Transmitters Incorporated



2nd April 2006

Issue # 113

Greetings Everyone!

Welcome to **Headquarters-Info-Line** a fortnightly bulletin of news from NZART Headquarters E-mailed directly to Branches.

It has never been easier to subscribe to the Info-Line distribution list and have Info-Line sent to you direct by E-mail. Just check into the NZART web page. <http://www.nzart.org.nz/nzart/> Look for **Info-Line Subscribe**. Supply your name, callsign and e-mail address and that's all you need to do. You will receive an e-mail confirmation of your auto-subscription and you can un-subscribe at any time.

The NZART Business Manager Debby ZL2TDM Says:

Thank you...to those of you who have taken the time to respond to the Banner/Flag opportunity, At this stage Council has approved this flag, providing it has a small NZART logo included in one of the corners. NZART cannot be seen to promote amateur radio without also including the logo. It does not mean it has to be so big as to overpower the intent of the banner.

Video Library...One last plea to all of you who make use of the NZART video library. Someone who hired the 'Secret Wireless War', has forgotten to return it. Perhaps that person has loaned it to another, so please can you all look through your shacks and see if you have it. It is a much sought after video and others would like the opportunity to view it.

Conference 2006...Is coming up fast, I understand that accommodation is at a premium, close to the event, so I suggest all those who are considering going, book your accommodation now. There is a link from the NZART home page.

Wellington Expo...To be held at Naenae College on Saturday 8th April is a great opportunity to view old and new equipment, plus meet up with old friends. NZART HQ will be represented by your truly, so come along have some fun, and if you have not paid your 2006 subscription, this is a good opportunity to do so and save yourself the postage.

Talk soon....**Debby ZL2TDM**

Amateur Licence Statistics from the Ministry of Economic Development's web site with Tony Case ZL1UD:

Statistics					
Amateur Radio Licensing Statistics					
Category					
	Mar.23.04	Mar.29.05	Jan.24.06	Feb.15.06	Mar.21.06
Grade					
General Grade	3173	4687	4816	4830	4845
Limited Grade	1543				
Novice Grade	12	11	9	9	9
Total Amateur Licences Issued	4728	4698	4825	4839	4854
Beacons	42	42	44	44	43
Digi-peaters	29	29	28	28	28
Fixed	2	2			
Repeaters	219	249	267	266	262
TV Repeaters	19	42	40	40	38
Total Beacons Repeaters and Links	311	364	379	378	371
Total Licences	5039	5062	5204	5217	5225

NZART Conference in Christchurch Queens Birthday Weekend 2006:

Conference this year is to be held at the Riccarton Racecourse in Christchurch. Arrangements to date can be viewed at <http://www.hamradio.co.nz/convention>

IARU Region 3 Newsletter:

The March 2006 issue of the IARU Region 3 Newsletter is attached to this issue of HQ-Info-Line. **Content includes:** ITU Matters, An IARU Plan for the future, EMR and the Radio Amateur, Regional Meetings in Kuala Lumpur, Malaysia, Disaster and Emergency Communication Rehearsal held by CRSA, Hams Help After Mud Slide in the Philippines, the 13th IARU Region 3 Conference and the Region 3 Web Site.

International Lighthouse/Lightship Weekend-2006:

This highly popular and ever growing amateur radio event is on again this year on 19th -20th August. In 2005 we had 382 lighthouses in 48 countries who registered on our web site. This year's event in particular will be dedicated to the memory of its founder and main organiser, Mike Dalrymple GM4SUC, who passed away in December 2005. The event normally starts at 0001 UTC on Saturday 19th August and ends at 2359 UTC Sunday 20th August. This year we will start at 0002 UTC reserving the first minute in silence as a moment of reflection on Mike's life.

As you all know by now the event is a fun weekend designed to promote amateur radio and lighthouses. It is NOT a contest so take time to have a chat with the stations contacted and maybe get the public involved as well. On the Sunday the International Association of Lighthouse Keepers will hold their Lighthouse Day opening their lighthouses all around the world to the public. Last year some stations even had the media present taking film of the event.

Full guidelines, an online entry form and a list of entrants are all on our web site at <http://illw.net> together with contact details if you need further information. So, come along grab a lighthouse and join in the fun. It's also a great opportunity to increase your DXCC contacts and other lighthouse awards.

Kevin VK2CE, Webmaster and Co-ordinator.

FMTAG NOTES with Doug Ingham ZL2TAR:

Using SMART To Cancel Or Transfer Repeater & Beacon Licences To NZART:

As a result of FMTAG's advice, on the financial impact on Branches of having repeater or beacon licences in the Branch name, published in HQ Infoline #112, some Branches have reported difficulty using SMART to transfer licences to NZART or to cancel unwanted licences.

Usually, the difficulty arises because the Branch doesn't have all four items of identification required by SMART. In order of their entry into SMART during an electronic transaction, they are:

User ID. This is a 9-digit number.

Password. This is a 7-digit alpha-numeric combination.

Client key. This is an 8-digit alpha-numeric combination.

Client password. This is a 10-digit alpha-numeric combination.

The MED delivered these items, two-at-a-time, at the end of November 2005. The two deliveries were by separate means, or were on different days, to minimise the risk of unauthorised interception.

In many cases, the first two items were delivered by email and the last two items were delivered by letter post.

Please contact RSM at MED by email if re-delivery of any missing items is required:

rsmlicensing@med.govt.nz

FMTAG is happy to prepare the necessary MED forms for any Branch preferring the paper-based method of transferring or cancelling a licence. The paper-based route, for transferring or cancelling licences, is almost as convenient and has the same cost to the applicant (FREE) as the all-electronic route. However, processing delays inside the MED, of more than a week, have been reported.

Dates To Remember:

- **Next HQ-Info-Line E-mailed on Sunday 16th April**
- **NZART Official Broadcast Sunday 30th April**

73

Jim Meachen ZL2BHF
Editor



The IARU Region 3 Newsletter

Issue 1/2006, March 2006

To promote and defend the interests of all radio amateurs at international telecommunications conferences it is necessary for the IARU to speak with a common voice on behalf of all radio amateurs. The Region 3 Conference in August this year will be an opportunity for Member Societies to express views on matters of concern and interest so that consensus may be developed towards a common view. Member Societies should therefore begin early preparations for this important occasion in the Region 3 calendar of events.

K C Selvadurai 9V1UV Director IARU Region 3

ITU Matters

A Working Group (WG) considering the Draft CPM Report to WRC-07, Agenda item 1.13 has considered text elements related to the amateur service. The following paragraph has been included to support certain other ones- "Most administrations recognize the amateur services as serving public protection, humanitarian and disaster relief agencies as well as non-government organizations such as the Red Cross and Red Crescent. At 7 MHz, amateur services provide auxiliary or emergency communications on a local, national, and international basis as an adjunct to normal communications, and in many cases provide the first information about disasters and serve as the only communications link when communications infrastructures are destroyed." Meetings of various WG's continue as the preparations for WRC-07 build up.

IARU Plan for the Future

The last issue of the Newsletter mentioned that IARU has been considering its future role and organization structure.

The IARU was initially conceived in 1925 as an organization of individual members. The original organizational model only lasted a few years before it was discarded in favor of the federation model. The IARU Constitution embodying the federation model remained more or less unchanged for almost 50 years, from mid 1930s to the early 1980s. The present Constitution, adopted in 1984 and amended slightly in 1989, recognizes the three regional IARU organizations as autonomous entities within the IARU as a whole.

It is generally recognized that the existing IARU structure has some shortcomings. These include:

- 1 IARU has no legal standing in any country.
- 2 Member Societies have no real voice in the selection of international IARU officers.
- 3 The three IARU regional organizations are defined on a geographical basis that is relevant only for ITU radio spectrum allocations and not for any other purpose.
- 4 The constitutions of the regional organizations are not fully aligned with the IARU Constitution.
- 5 The IARU is not widely regarded as relevant by radio amateurs at the grassroots level.

A vision for the future is likely to be developed first and consensus sought on that vision. At this stage of the development of the Plan, the discussion paper poses more questions than it answers. Hence it is still in a preliminary phase.

It is likely that a paper to be presented at the Region 3 Conference in August 2006 will provide more details. Member Societies need to make every effort to attend, learn and contribute.

EMR AND THE RADIO AMATEUR

It is now well understood and accepted that exposure to high levels of RF energy is hazardous to human health. Many administrations have already imposed regulations to require transmitter operators to meet electromagnetic radiation (EMR) limits. The International Commission on Non-Ionising Radiation Protection (ICNIRP) is the specialist international forum with the competence and responsibility to develop RF exposure guidelines. It has participation from experts across the fields of medicine, bio-physics and engineering. The World Health Organization has been undertaking a project to review the research undertaken in the field of RF exposure and to identify topics that require further study. This project has effectively validated the ICNIRP Guidelines.

The ICNIRP Guidelines are expressed in terms that directly reflect the frequency-dependent interactions of radio frequency fields with the human body. However, these fundamental interactions are generally not readily measurable in an actual exposure environment, so measurable quantities such as incident RF field are generally used as “substitute” parameters for the purposes of compliance assessment. The ICNIRP Guidelines form the basis for most current exposure standards, but there are detail differences between the actual standards set by different administrations. The formal measurements needed to demonstrate compliance with RF exposure guidelines are difficult to achieve in practical cases because of the interaction of the measuring equipment with the exposure environment. For this reason, some administrations have established “compliance assessment” guides that describe typical installations that have been effectively “deemed to comply” with the guidelines. At a bare minimum, amateur transmitting antennas should be installed in situations where accidental or inadvertent contact with the antenna structure is not possible. As far as is practical, the objective is to avoid situations where the main lobe of the antenna pattern illuminates nearby living areas or other places where people spend periods of time. In some cases, it may be necessary to avoid transmitting in certain directions or to operate at reduced power when the antenna is pointing towards nearby houses.

Report by Keith G Malcolm VK1ZKM Regional Electromagnetic Radiation (EMR) Interim Coordinator

Regional Meetings in Kuala Lumpur, Malaysia

The 3rd meeting of the APG in preparation for WRC-07 was held in KL from 13th to 16th Feb 2006. A circular letter is being sent to all Member Societies to report on that meeting. The key issue for amateurs was the proposed review of 4-10 MHz affecting our 40 metre band. Directors Peter Lake ZL2AZ and K C Selvadurai 9V1UV represented IARU Region 3. An input document was presented. The outcomes were generally positive. Peter also attended a follow on Wireless Forum.

The R3 Directors also visited the Asia-Pacific Broadcasting Union (ABU). HFBC broadcasters are being encouraged to switch to digital transmissions. The Malaysian Authority (MCMC) was visited along with MARTS. Useful discussions included licensing and examinations, the status of Morse code and plans for expansion of the allocations at 7 MHz.

Disaster and Emergency Communication Rehearsal held by CRSA

The CRSA held a disaster and emergency communication rehearsal in Tang Shan City, China from 30th to 31st July 2005. This was the city that suffered an earthquake in 1976 of magnitude 7.6 on the Richter scale resulting in the deaths of over 200,000 people.

The rehearsal included 3 stages: Setting up emergency amateur radio stations and a control station, GPS target searching at sea, and ARDF. Over 1,000 amateur radio operators/officers participated in this activity.

In recent years, amateur radio operators have played a more important role in disaster and

emergency communication. During the 2004 spring festival, 17 climbers were lost in Xiao Wu Tai Mountain, He Bei Province. Fortunately, they had taken a radio and sent out signals. An amateur radio operator copied their signals and relayed them to other amateur radio operators and all were saved.

Report by Fanbin BA1RB

Hams Help After Mud Slide in Philippines

Radio amateurs were reported as helping to coordinate rescue operations after a devastating mud slide on the Philippines island of Leyte buried an entire village on February 17, 2006. More than 1800 people are believed to have died when the village of Guinsaugon was engulfed by mud following a week of torrential rain and a small earthquake. A forty meter net and an EchoLink net which were set up for the Leyte disaster went on the air within hours of the mudslide. Philippine amateurs passed lists of missing people and survivors as well as other messages for emergency supplies.

The 13th IARU Region 3 Conference.

All Member Societies will now have received the letter mailed out from the R3 Secretariat in Tokyo on 9th Feb 2006 about the next Region 3 Conference to be held in Bangalore, India from **Monday 7th August to Friday 11th August 2006**. Member Societies should straight away plan to attend, draft papers and identify their delegate(s). Early visa application for travel to India is advised.

D D Devan 9M2DD Silent Key 26th Nov 2004

We record with regret the passing of Devan 9M2DD, who was a Director of IARU Region 3 from 1985 to 1991. He became a SK on 29 Nov 2004. He will be remembered for an eloquent speech made as a Malaysian delegate at a working session at WRC-92 in support of amateur radio issues.

Tim Chen BV2A Silent Key 22nd Feb 2006

We also record with regret the passing of Tim BV2A who became a SK on 22 Feb 2006. Tim was Taiwan's first radio amateur and founder & first President of CTARL.

The Region 3 Web Site

Go to: <http://www.jarl.or.jp/iaru-r3/>

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