

APRIL | 2010 | ISSUE 4

► CLUB OFFICER
INFORMATION AND TABLE OF
CONTENTS ARE ON **PAGE 2**

► FOR THE MARCH
BUSINESS MEETING
MINUTES, TURN TO **PAGE 4**

► SEE WHAT'S GOING ON IN
THE MONTHS OF APRIL &
MAY: **PAGE 20** FOR APRIL,
PAGE 22 FOR MAY.

**NEXT MEETING: APRIL 20 @ THE
CLUBHOUSE. MEETING STARTS AT
8:00PM. COME FOR THE MEETING,
STAY FOR THE FOOD/SOCIALIZING
AFTERWARDS. CU THERE!**



[<www.w3kwh.com>](http://www.w3kwh.com)

Kilo Watt Harmonics

THE OFFICIAL (AND ONLY) NEWSLETTER OF THE
STEEL CITY AMATEUR RADIO CLUB

The Prez Sez.....

To assume, or not to assume. That is the question. Poor grammar and all. We are usually taught not to assume because when we do we make an "ass out of u and me". Hmm...time to question this belief.

Are there any situations when we NEED or HAVE to assume? Oh yes!

Take for example, trouble shooting. We have a Widget that's busted and we assume the user was reasonably accurate in passing on the troubles experienced with the Widget. So we get said Widget on the test bench and start in on finding out why the subject in question was humming (and not because it didn't know the words), making other crackly noises and not performing its intended function.

We also assume our test bench equipment is in proper working order since we used it a short time ago and all was well. So, with a feeling of confidence, the busted Widget is placed under scrutiny and probed, prodded and generally made to feel somewhat violated as its guts are splayed across the bench in an attempt to correct the Widget's woes and breathe a bit of life back into it. It is after all a CLASSIC Widget worthy of more service time and not quite ready for the scrap heap.

Armed with a reasonably good idea of how the Widget is supposed to act, this noisy, semi functional, still wanting to be useful Widget is on the bench all powered up from the test power supply. Properly connected to an audio amp so we may hear its noisy cries for help and surrounded by other implements of destruction ...we begin. This slight supply voltage drop is a bit odd. Not to bad though. Must be a bad capacitor inside the Widget or maybe a regulator.

(CONTINUED ON PAGE 16)

Check Out The Cool New Operating Certificate Being Offered By The Club!

Yeah that's right: In an effort to stimulate some on-the-air operating activity, especially since them there sunspots are starting to heat up the bands, the club has developed it's own operating award! Since the bands will only improve from here on out, we figured it was time to start promoting operating activity on the Amateur bands. What better way to do so with a fine new operating award? Best of all, it's available for all to pursue, regardless of your operating license class! **You can see a sample of this award on page 7.** Good luck should you decide to pursue it. You'll be proud to hang this wallpaper on your shack wall! 73 de NB3C.



Club & Officer Info/Table Of Contents

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INSIDE THIS ISSUE: (CLICK ON AN ARTICLE TO READ IT)

DX News.....Page 3
**March 2010 Business Meeting
Minutes.....Page 4**
ARRL WPA News.....Page 5
National News.....Page 6
**SCARC's New Operating
Award.....Page 7**
IARU News.....Page 8
Local News.....Page 9
**MARS Cross-Band
Test.....Page 10**
SCARC Roster.....Page 13
Legislative Stuff.....Page 14
**Spring Cleaning, SCARC Style
Page 17**
**Arecibo EME Special
Event.....Page 18**
**ARRL Atlantic Division
Survey.....Page 18**
April Calendar.....Page 20
May Calendar.....Page 22
TRARC Hamfest.....Page 23
**2010 Dues Renewal Form:
SEE ATTACHED .PDF FILE**

KiloWatt Harmonics

April 2010

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Amateur Radio Club**

Editor: Greg Babin, NB3C

**'KiloWatt Harmonics' is
published monthly for the
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Amateur Radio Club.**

**All contributions are
welcome at:
<kq3dx@hotmail.com>**

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Club is an ARRL-Affiliated
organization.**

The Steel City Amateur Radio Club (412) 787-0777
2M Repeater: 147.030/147.630MHz (PL 123.0)
70cm Repeater: 444.450/449.450MHz (PL 103.5)
WA3TTS Beacon: 144.300MHz (CW)
WA3TTS Beacon: 50.070MHz (CW) 1/2 w ERP
ATV Repeater: 426.250MHz (Currently off-line.)
1296MHz Beacon: 1296.269MHz (CW) 1W

**AND I COULDN'T HAVE PRODUCED
THIS NEWSLETTER WITHOUT THE
HELP OF THESE FINE PEOPLE:
WA3FWA, N3VEF, N3NHS, NU3Q,
N3MSE, W3SVJ, WB3HDI, ARRL.
THANKS ALL, FOR YOUR EFFORTS.**

In The World Of DX.....

From various issues of The ARRL
DX Bulletin. Thanks, ARRL for
permission to reprint here.

⇒ **SERBIA, YU.** Members of Radio Club Marica-Zemun are QRV as YU140Z until May 31 to celebrate the 140th anniversary of the Voluntary Fire Brigade in the city of Zemun. QSL via YU1AVQ.

⇒ **CHAD, TT.** Elke, TT8ET is active on 20 meters using SSB around 0730 to 0800z. QSL direct.

⇒ **RODRIGUES ISLAND, 3B9.** John, 3B9WR has been active on 40 meters around 0230 to 0330z. QSL via G3LZQ.

⇒ **BAHRAIN, A9.** David, A92IO has been active on 40 meters around 0100Z. QSL direct.

⇒ **LEBANON, OD.** Fred, DL6SN is QRV as OD5/home call. Activity is on 160 to 10 meters. He is active when operating conditions permit. QSL to home call.

⇒ **MAURITIUS, 3B8.** Mart, DL6UAA will be QRV as 3B8MM beginning April 4. He is here for about four weeks. Activity will be on 160 to 10 meters using mostly CW. QSL to home call.

⇒ **ANDORRA, C3.** In celebration of the Andorra Society's 30th anniversary, hams here may use special prefixes C35 and C36 throughout the month of April.

⇒ **REUNION, FR.** Ced, F4EGZ is QRV as FR/home call and is active until April 19. Activity is on 20 to 6 meters. QSL to home call.

⇒ **ITALY, I.** Special event station I10SPQR is QRV during the month of April in celebration of the 2763rd anniversary of the city of Rome. QSL via IK0QNZ.

⇒ **NETHERLANDS, PA.** Special event station PB88XYL will be QRV from April 3 to 30 by members of the "Women On The Air" club. QSL via bureau.

⇒ **VIET NAM, 3W.** A group of operators will be QRV as 3W6C from Con Co Island, IOTA AS-185, from

April 10 to 18. Activity will be mainly on the low bands. QSL via operators' instructions.

⇒ **BARBADOS, 8P.** Members of the ARS of Barbados are QRV as 8P55AW throughout all of 2010 in celebration of the 55th anniversary of the club. QSL via bureau.

⇒ **CAPE VERDE, D4.** Xara, D44TD has been QRV on 10 meters around 1200z and 12 meters around 1600z. QSL via CT1EKF.

⇒ **NEW CALEDONIA, FK.** Claude, FK8IF is QRV as FK8KAB daily from 0600 to 0800z on 20 meters. QSL to home call.

⇒ **REUNION ISLAND, FR.** Stephane, F5UOW is QRV as FR/homecall until April 17 on 20 meters only and then as TO2R until May 2. Activity will then be on 80 to 10 meters using mostly CW. QSL to home call.

⇒ **THAILAND, HS.** A group of operators from the Radio Amateur Society of Thailand will be QRV as E20AS from Chang Island, IOTA AS-125, from April 10 to 16. Activity will be on the HF bands using CW and SSB. QSL via HS1CKC.

⇒ **CZECH REPUBLIC, OK.** In commemoration of the old HF coast radio station Praharadio, former radio officers will be QRV with special call OL35OLP until the end of April. QSL via OK1DRQ.

⇒ **FAROE ISLANDS, OY.** Jan, OY3JE has been active on 60 meters between 1730 and 2100z. QSL to home call.

⇒ **PALAU, T8.** Tony, KQ2I will be QRV as T88AT from April 9 to 17. Activity will be on the HF bands using mostly CW. QSL to home call.

⇒ **CHAD, TT.** Phil, F4EGS will be here beginning April 10 and possibly QRV as TT8PK. Activity will be on 40 to 10 meters using CW, SSB and RTTY, but limited to his spare time. QSL to home call.

⇒ **MEXICO, XE.** In celebration of the bicentennial of Mexico's independence and the centennial of the Mexican Revolution, Mexican stations may use the special prefix 4B throughout 2010.

⇒ PROPAGATION REPORT

A strong geomagnetic storm on Monday and Tuesday, April 5-6, was the biggest since 2006, at least in terms of high planetary A index. On those days the mid-latitude A index was 28 and 22, and the planetary A index was 49 and 46. This was caused by a mighty solar wind stream. A search for similar numbers over the past few years yields nothing.

In 2009 the highest planetary A index was 19 on August 30, and in 2008 it was 37 on October 11. This is indicative of how quiet space weather has become in the past few years. In 2007 the planetary A index reached 30 on April 1, and we have to go back to 2006 to find any geomagnetic activity as strong, when the planetary A index reached 63 and 104 on December 14-15.

NOAA and USAF predict solar flux at 75 for April 9-15, rising to 78 on April 16. This is substantially different from Wednesday's prediction, which had solar flux rising to 80 by April 15. Now they don't see a rise to 80 again until April 23. The same forecast predicts planetary A index for April 9-15 at 8, 5, 5, 12, 10, 5 and 5. Geophysical Institute Prague predicts unsettled conditions for April 9, quiet April 10-12, April 13 unsettled to active, April 14 active, and April 15 unsettled to active.

Monthly propagation charts between four USA regions and twelve overseas locations are at <http://www.arrl.org/gst/propcharts/>.

Sunspot numbers for April 1 through 7 were 25, 28, 27, 40, 41, 41, and 25 with a mean of 32.4. 10.7 cm flux was 79.2, 76.2, 77.4, 78.7, 79.3, 77.5 and 76.3 with a mean of 77.8. Estimated planetary A indices were 12, 12, 8, 13, 49, 46 and 21 with a mean of 23. Estimated mid-latitude A indices were 9, 10, 5, 11, 28, 22 and 15 with a mean of 14.3.

(COURTESY OF THE ARRL
PROPAGATION BULLETIN)

Business Meeting Minutes: March 2010

The meeting started at 8 PM and was conducted by the President WB3HBI, Bob. The Pledge of Allegiance was recited and a Moment of Silence was observed for our Silent Keys. 27 members and 3 guests answered the roll call. No minutes were read as there was no February meeting held due to the snowstorm. Treasurer KA3YNO, Walt who reported that 49 members have paid their dues for this year, gave the treasurer's report.

Committee Reports

- ⇒ **Clubhouse** WA3VXJ, Karl thanked K3JHT, John for helping to prepare the clubhouse for tonight's meeting. He wants to plan an outside work party and to clean the chairs and carpet inside. WB3HDI, Bob would like to rent/loan a brush cutter to clear the roadside shrub growth and to spray the poison ivy. Only known storm damage is one side of the 160-meter dipole is down.
- ⇒ **Technical** WA3TTS, Mike reported that the 40-meter antenna was OK and he will check the 144 and 440 repeater antennas for reported problems. He is still working on the 6-meter amplifier. Mike also pointed out that some of the radios have AB switches to select the proper antenna connection, which you should try if you hear no signals when connected to the desired antenna. Karl and Walt have been working 144 and 220 very low signal strength SSB stations.
- ⇒ **Contest** The BreezeShooters SSB ground wave contest is this weekend.
- ⇒ **Membership** WA3BKD, Art gave the only reading needed for former member KT3L, Doc who was then voted into the membership. Welcome back Doc! W3WTW, Tim received an email from a new ham who is looking to join a club. Art will contact that prospective member.
- ⇒ **Newsletter** Editor NB3C, Greg wants a current roster, which will be supplied by W3SVJ, Nate, and he would like some local news from the members. WB3HDI, Bob mentioned that K8ZWL from Cleveland OH commented, during a QSO, that we have a great club newsletter.
- ⇒ **Public Service** KA3MSE, Lloyd will have the net control next week and reported that KA3TDQ, Joe is the new SEC. Visiting N3NHS, Jeff described the need for volunteers for the Pittsburgh Marathon to be held on May 2nd. He needs a total of 150 hams. This is a good exercise for experiencing actual emergency procedures. WA3PYU, Mike will be the net control. NU3Q, Bob is coordinating the Race for the Cure to be held on Mothers Day, May 9. He is looking for 15 volunteers.
- ⇒ **Ways and Means** WA3FWA, Joe will hold the 50/50 raffle after the meeting and collect any QSL cards for the outgoing bureau.
- ⇒ **PC/Web Site** W3WTW, Tim reset the Echolink. Bob and Karl restarted it several times as there were AC power interruptions.
- ⇒ **Volunteer Exams** Last night's session was cancelled.
- ⇒ **Old Business** N3EQP, John said to email to him any desired library additions and he loaded Ham Radio CD's on to the VHF room PC. WA3TTS, Mike added that the HR articles on the PC could be accessed through the ARRL web site, Members Only, and search by article. All known articles whether from QST or HR will be listed so you can view the HR articles on the Club's PC.
- ⇒ **New Business** Art commented that the contractor that filled in the roadside last summer has passed away. He suggested that we might want to have an informal dinner on the first Wednesday of each month before coming to the clubhouse. It could be at the Eat N Park or Tonidale. This year will celebrate the 100th anniversary of the Boy Scouts so there will be special event stations at their campsites. The USS Pittsburgh and the Requin subs will have reunions in Pittsburgh this year and the Carnegie Science Center may have Special Event stations for this event.
- ⇒ **Good of the Order** W3SVJ, Nate reported that K0BUD, Mike is recovering from a fall where he broke his leg in 4 places. WA3TTS, Mike obtained an HP Network Analyzer that can measure SWR on coax which he will demonstrate after the meeting. KA3YNO, Walt has a very small and lightweight 22-amp power supply to display. NU3Q, Bob is working on coordinating a train trip to the ARRL in Connecticut from Pittsburgh via Philadelphia.
- ⇒ **Motion to Adjourn** by N3EQP, John.
- ⇒ **Guest Speaker** WA3BKD, Art displayed and described a 6 meter antenna that he constructed from an aluminum lawn chair as described in a Jan. 2002 QST article.

50/50 raffle won by K3JHT, John.

Minutes submitted by Recording Secretary WA3FWA, Joe.

**Our next business meeting will be held
on April 20th at 8PM.
CU @ the Clubhouse!!**

ARRL WPA Section News

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The snow is finally melting here in Western Pennsylvania and with the warmer weather the weather service is now predicting some rain for the next few days. This may serve as a need for amateurs to help provide communications in the event of flooding in some of the low lying areas. This might serve as a good time to check your grab and go kit to be sure they are properly stocked and also to charge the batteries on your handhelds. While I am sure we all are hoping that flooding will not take place with the amount of snow melting and the rainfall expected, we may experience problems due to run off conditions. Be sure to monitor your local repeaters and be prepared should the local EC need to activate.

In the near future we will be working together with PEMA to combine communications resources into a platform called ACS. This will be a combination of what is currently RACES, ARES, CAP, react and other communications forms. Section emergency coordinator Larry Keller will be posting information as he receives it on to the ARES website and also distribute the info to the DECs and ECs as it becomes available.

A tentative meeting of emergency leaders will be scheduled for early June. Larry is working on the details for the event and we will announce more details in the near future. Part of this will involve a bit of restructuring of the ARES program in the section. Individuals with ideas for topics should contact Larry at <ab3er@arrl.net>.

A reminder to members is to be sure to check the data you have in your member profile at the ARRL website. If you change your email service be sure to update that info on the members only section of the website. The new website is expected to be functional the end of March barring no further difficulties. HQ wanted to provide the best experience so as problems were found, delays were inevitable.

I will be announcing the name of the new Section Traffic Manager in the very near future. This has been a difficult position to fill and I will be glad to finally have someone handling the functions. It has taken a bit longer than I had wished to decide on a suitable individual.



The next hamfest is the Two rivers hamfest on April 25. Additional information is available at <<http://www.tworiversarc.com>>. An area of information for hamfest officials is that HQ has a new policy with regard to information brochures for hamfests. The material to be sent from HQ must be selected by the hamfest chairperson. The info is included in your approval letter. There is NO Charge for this material to be sent to the hamfest. That has been changed and HQ will pay shipping costs. If you need assistance in what to order contact me at <n3mse@arrl.org>.

As always I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep the keep this activity running strong. The section net is on 3983 every evening at approximately 4:45 PM local time due to poor band conditions. Join the nets and lets all get Radio Active.

73

John V. Rodgers, N3MSE
W. Pa. Section Manager



What's Happening On The National Front....

⇒ ADMINISTRATIVE LAW JUDGE SAYS WASHINGTON STATE LICENSEE CAN KEEP HAM LICENSE

In January 2007, the FCC issued an Order to Show Cause to David L. Titus, KB7ILD, of Seattle, Washington, to justify why his General class Amateur Radio license should not be revoked and initiated a hearing process to determine whether Titus "is qualified to remain a Commission licensee" in light of a 1993 felony conviction at the age of 18 for "communicating with a minor for immoral purposes." According to the FCC order, Titus received a 25-month prison sentence for this act, and the Seattle Police Department has identified him as a registered sex offender. On March 9, Administrative Law Judge Richard L. Sippel issued his Initial Decision -- saying that Titus "has been a law-abiding member of his community for many years" and ordered that Titus' license should not be revoked based on the evidence presented by the defendant and witnesses on his behalf, as well as the FCC's Enforcement Bureau failure to meet the burden of proof necessary for revocation. The FCC has said that The Communications Act of 1934, as amended provides that the Commission may revoke any license if conditions come to its attention that would warrant a denial of the licensee's original application. In the past, the Commission has said that felony convictions, "especially those involving sexual offenses involving children," raise questions regarding a licensee's character qualifications. Sippel's *Initial Decision* shall become effective "and this proceeding shall be terminated 50 days after its release if exceptions are not filed within 30 days thereafter, unless the Commission elects to review the case on its own motion."

⇒ FCC PROPOSES TO ELIMINATE SPREAD SPECTRUM APC REQUIREMENT, AND OTHER ACTIONS

In response to a 2006 ARRL Petition regarding spread spectrum issues, the FCC released a Notice of Proposed Rule Making (NPRM) on March 16 (WT Docket No 10-62), proposing to amend Part 97 to facilitate the use of spread spectrum communications technologies by eliminating the requirement that amateur stations use automatic power control (APC) to reduce transmitter power when the station transmits a spread spectrum (SS) emission and reducing the maximum transmitter power output when transmitting a SS emission. Through an Order attached to the NPRM, the Commission also made "certain non-substantive revisions" to the Amateur Service rules.

Spread spectrum techniques are methods by which the information signal of a particular

bandwidth is intentionally spread in the frequency domain. At any point of bandwidth the SS emission occupies, either the power spectral density of the transmitted signal is reduced to a comparatively low level or the duration of a transmission on any frequency in the frequency segment is very brief. Consequently, stations in the same area can transmit SS signals without causing harmful interference to or experiencing harmful interference from each other or a station transmitting a non-SS signal over the same spectrum segment.



Back in 1985, the FCC authorized Amateur Radio stations to transmit SS emissions with a maximum transmitter power limit of 100 W PEP. To emphasize the experimental nature of spread spectrum as well as some of the potential benefits associated with it, the Commission authorized such transmissions on a secondary basis to other amateur service communications. At that time, the Commission noted that "to reduce the likelihood that SS transmissions from an amateur station could be made for the purpose of obscuring the meaning of a message, the Commission permitted only frequency hopping and direct sequence spreading techniques."

Fourteen years later, the FCC eliminated restrictions on spreading techniques "to allow amateur stations greater flexibility and permit them to use the SS techniques used in other communications services." The Commission also required stations transmitting SS communications with a transmitter power greater than 1 W to utilize APC to limit the transmitter power in accordance with a specific formula (permissible power is determined by the use of the ratio, measured at the receiver, of the received energy per user data bit [Eb] to the sum of the received power spectral densities of noise (No) and co-channel interference (Io); average transmitter power over 1 W shall be automatically adjusted to maintain an Eb/[No + Io] ratio of no more than 23 dB at the intended receiver).

In 2006, the ARRL petitioned the FCC, requesting that the APC requirement be eliminated, asserting that the APC provision has proven to be "virtually impossible" as it requires the operators of the transmitting stations to determine the transmitter power received at distant receivers and that this requirement has proven to be "something of a barrier to SS experimentation." The League further contended that the APC requirement could be eliminated without increasing the risk of harmful interference because:

In 2006, the ARRL petitioned the FCC, requesting that the APC requirement be eliminated, asserting that the APC provision has proven to be "virtually impossible" as it requires the operators of the transmitting stations to determine the transmitter power received at distant receivers and that this requirement has proven to be "something of a barrier to SS experimentation." The League further contended that the APC requirement could be eliminated without increasing the risk of harmful interference because:

* The station licensee or control operator of the station transmitting the SS emission would still be obligated under Section 97.313(a) of the Commission's Rules to use the minimum power necessary to conduct communications.

* Under Section 97.311(b) of the Commission's Rules, SS communications are already secondary to other Amateur Service communications.
(CONTINUED ON PAGE 12)

APRIL FOOL!!!!!!!

(An official NB3C operating award; officially it's not good for a thing! Well, maybe lining the bird cage or cat litter box. Penalty for private use: 300 Ohms. Hey, we all need a laugh at tax time, right?)

W3KWH: The Steel City Amateur Radio Club, Pittsburgh, Pennsylvania W.A.A.H. - Worked All American Hams



Be it known, all peoples:

It is hereby certified that *Greg Babin, NB3C*, has successfully achieved 2-way radio contact with every Amateur Radio operator in North, Central & South America, and as such, is entitled to all bragging rights & privileges associated with this tremendous accomplishment including, but not limited to: calling 'CQ' on a busy, or net frequency, calling other ops 'lids' on the air & complaining about their on-the-air operating habits, complaining about DXpeditions on their transmit frequency, QSY'ing to a busy channel, tuning up on top of a rare DXpedition, complaining about testers on a busy contest weekend, running a kilowatt to talk to your buddy across town, etc, etc, ad infinitum.

Given, by my hand, this day of 1 April, 2010 AD:



Club Prez

Vice-Prez

W.A.A.H. Award QSL card checker

I've got another one in the works, depending on how well this one is received: 'W.A.C.C.O.' (Worked All Credit Card Owners). To qualify for this one, you exchange signal reports and Visa/MasterCard® numbers. I have not determined whether or not to take American Express® yet.....HA HA.....73 de NB3C!!

News From The IARU.....

⇒ REGIONAL CONFERENCE ON AMATEUR RADIO 2010 (RCAR 2010)

The following information is from Ole Garpestad, LA2RR, IARU Vice-President.

The Regional Conference on Amateur Radio will be held April 4 - 6, 2010 in Doha, State of Qatar and will be the biggest Regional Symposium on Amateur Radio in the Middle East in 2010. The Conference is organized by the QATAR AMATEUR RADIO SOCIETY (QARS) jointly with the International Amateur Radio Union (IARU). So far the kind invitation from the QARS Chairman <<http://tinyurl.com/ybecqf6>> H.E. Abdullah bin Hamad Al-Attiyah, A71AU, has been accepted by a number of IARU societies in the Middle East as well as one from Region 3 together with Telecom Regulators and Administrations from the GCC area. Participation is also expected from ITU officials as well as local Qatar officials. The IARU team will consist of: IARU Vice President Ole Garpestad, LA2RR, IARU Region 1 President Hans Blondeel Timmerman, PB2T and IARU Region 1 EC-member Hani Raad, OD5TE.

The symposium gives the delegates the opportunity to exchange information related to the Amateur Radio Service in the Arab World along with the regulatory aspects in connection with the Amateur Radio Service. The program consist of presentations on Regulatory issues, preparation for WRC-12, Amateur Radio Emergency and Disaster Communication, national regulations of Amateur Radio in the GCC States combined with panel discussions and workshops with the aim to assist in building and maintaining good working relationship between the National Regulators and the Amateur Radio Societies.



**AMATEUR
RADIO**
The
**INTERNATIONAL
AMATEUR RADIO
UNION**

Doha has been launched by UNESCO as the capital of the Arab culture and a celebration of "Al-Doha Capital of Arab Culture 2010" with H.E. Minister of Culture, Arts and Heritage will take place during the RCAR 2010 event. More information on the invitation, program, hotel and visa may be found in related documents available on the IARU Region 1 web or obtained from any of the IARU team members listed above.

⇒ WIRELESS INSTITUTE OF AUSTRALIA CELEBRATES 100 YEARS

The Wireless Institute of Australia (WIA) is celebrating 100 years of organized amateur radio in Australia.



On 11 March, 1910 a meeting of like-minded people in the Hotel Australia, Martin Place, Sydney, formed the Institute of Wireless Telegraphy of Australia, and soon after dropped the word 'telegraphy' from its name. Chairman of the founding meeting, George Taylor, proposed "the formation of an institution amongst experimenters and enthusiasts in wireless for their mutual benefit." A similar organisation was formed in Melbourne - the Amateur Wireless Society of Victoria, on 30 November 1911 at a meeting attended by 50 enthusiasts. In 1913 it changed its name to the Wireless Institute of Victoria, and then became the

Wireless Institute of Australia, Victorian Division. Then followed The Wireless Institute of Queensland (1912), the West Australian Radio Club (1913) became the Wireless Institute of Australia, Western Australia Section. In May 1924 the Institute at a federation meeting held in Melbourne resulted in a nation-wide organisation to represent the experimenters, an outcome that had been desired for some time by the Postmaster General who had responsibility for wireless. Exactly 100 years on from that first meeting in Sydney, the experimenters, now known as radio amateurs, can legitimately celebrate the establishment of their representative organisation, the Wireless Institute of Australia - the oldest such group in the world.

A range of initiatives and activities are to happen in 2010 providing an opportunity for every radio amateur to be involved in what will be a memorable celebration. Special event callsign VK100WIA will be very popular. Make it a personal aim to make contact this station, consider your plan to achieve the WIA Centenary Award and if a club member support its involvement in the celebration. A commemorative logo is now available for use by WIA members on their QSL cards. Want to know more? Full details are available on the WIA website through its homepage at <www.wia.org.au> and look under the 'WIA Centenary Celebrations' section. It contains a lot of information including activities, the commemorative logo, Centenary Award, the VK100WIA special event callsign -its roster, online log and QSL card - plus a range of affordable centenary merchandise. Credit-WIA web site.

(CONTINUED ON PAGE 11)

The Pittsburgh marathon is back for another run this spring! May 2, 2010, will be the date of the marathon's 21st running, and with registration already exceeding last year's participation of over 10,000 runners, it will be the largest in the history of the event. Once again, amateur radio has been asked to help make this event a success.

We will be providing communications vital to ensuring the safety both of those athletes running in the marathon and of the many spectators.

There are many positions around the 26.2 mile course that need to be covered, including mile markers, aid stations, buses and sweep vehicles, shadows for race officials, and others. To fully cover all of these positions, we will need over 150 volunteer amateur radio operators, including you!

If you haven't already signed up to help with this year's event, please consider doing so. Online registration is quick and easy -- just go to <http://www.rbhoffman.com/marathon/> and fill out the form. You'll receive immediate email confirmation, and your assignment and detailed instructions will arrive in the mail during the last week of April. As before, there will be a pre-race meeting the day before the marathon, to review what to expect on race day, answer any questions you have, and provide your T-shirt, hat, vest, and marathon credentials.

I look forward to your participation.

73, Jeffrey Hutzelman, N3NHS

22 CQ June, 1954

For LONG TRADES LOW TERMS See Henry

Bob and Ted Henry, with stores in Butler, Mo. and Los Angeles, Calif., carry complete stocks of all ham equipment for immediate delivery. Bob and Ted, being hams themselves, know you want easy terms, truly top trade-ins, low prices, and fast delivery, and you get them all from Henry.

TOP TRADE-INS—
Henry wants to trade and he trades big. YOU get truly liberal allowances on your equipment. We also pay cash for used equipment.

EASY TERMS—
The best terms anywhere because Henry finances all the terms with his easy time payment plan. 10% down (or your trade-in accepted as down payment).

FAST DELIVERY—
Shipments 4 hours after receipt of order. Send only \$5.00 with order, and shipment will be made COD immediately.

SATISFACTION—
Ask any ham about Henry Radio Stores. We want you to be satisfied. 10 Day Trial on all receivers.

Model	Cash Price	10 Month Payments	Trade Price
5X38	\$12.00	\$1.24	\$4.95
5X38A	13.00	1.34	5.95
5X38B	14.00	1.44	6.95
5X38C	15.00	1.54	7.95
5X38D	16.00	1.64	8.95
5X38E	17.00	1.74	9.95
5X38F	18.00	1.84	10.95
5X38G	19.00	1.94	11.95
5X38H	20.00	2.04	12.95
5X38I	21.00	2.14	13.95
5X38J	22.00	2.24	14.95
5X38K	23.00	2.34	15.95
5X38L	24.00	2.44	16.95
5X38M	25.00	2.54	17.95
5X38N	26.00	2.64	18.95
5X38O	27.00	2.74	19.95
5X38P	28.00	2.84	20.95
5X38Q	29.00	2.94	21.95
5X38R	30.00	3.04	22.95
5X38S	31.00	3.14	23.95
5X38T	32.00	3.24	24.95
5X38U	33.00	3.34	25.95
5X38V	34.00	3.44	26.95
5X38W	35.00	3.54	27.95
5X38X	36.00	3.64	28.95
5X38Y	37.00	3.74	29.95
5X38Z	38.00	3.84	30.95
5X38AA	39.00	3.94	31.95
5X38AB	40.00	4.04	32.95
5X38AC	41.00	4.14	33.95
5X38AD	42.00	4.24	34.95
5X38AE	43.00	4.34	35.95
5X38AF	44.00	4.44	36.95
5X38AG	45.00	4.54	37.95
5X38AH	46.00	4.64	38.95
5X38AI	47.00	4.74	39.95
5X38AJ	48.00	4.84	40.95
5X38AK	49.00	4.94	41.95
5X38AL	50.00	5.04	42.95
5X38AM	51.00	5.14	43.95
5X38AN	52.00	5.24	44.95
5X38AO	53.00	5.34	45.95
5X38AP	54.00	5.44	46.95
5X38AQ	55.00	5.54	47.95
5X38AR	56.00	5.64	48.95
5X38AS	57.00	5.74	49.95
5X38AT	58.00	5.84	50.95
5X38AU	59.00	5.94	51.95
5X38AV	60.00	6.04	52.95
5X38AW	61.00	6.14	53.95
5X38AX	62.00	6.24	54.95
5X38AY	63.00	6.34	55.95
5X38AZ	64.00	6.44	56.95
5X38BA	65.00	6.54	57.95
5X38BB	66.00	6.64	58.95
5X38BC	67.00	6.74	59.95
5X38BD	68.00	6.84	60.95
5X38BE	69.00	6.94	61.95
5X38BF	70.00	7.04	62.95
5X38BG	71.00	7.14	63.95
5X38BH	72.00	7.24	64.95
5X38BI	73.00	7.34	65.95
5X38BJ	74.00	7.44	66.95
5X38BK	75.00	7.54	67.95
5X38BL	76.00	7.64	68.95
5X38BM	77.00	7.74	69.95
5X38BN	78.00	7.84	70.95
5X38BO	79.00	7.94	71.95
5X38BP	80.00	8.04	72.95
5X38BQ	81.00	8.14	73.95
5X38BR	82.00	8.24	74.95
5X38BS	83.00	8.34	75.95
5X38BT	84.00	8.44	76.95
5X38BU	85.00	8.54	77.95
5X38BV	86.00	8.64	78.95
5X38BW	87.00	8.74	79.95
5X38BX	88.00	8.84	80.95
5X38BY	89.00	8.94	81.95
5X38BZ	90.00	9.04	82.95
5X38CA	91.00	9.14	83.95
5X38CB	92.00	9.24	84.95
5X38CC	93.00	9.34	85.95
5X38CD	94.00	9.44	86.95
5X38CE	95.00	9.54	87.95
5X38CF	96.00	9.64	88.95
5X38CG	97.00	9.74	89.95
5X38CH	98.00	9.84	90.95
5X38CI	99.00	9.94	91.95
5X38CJ	100.00	10.04	92.95
5X38CK	101.00	10.14	93.95
5X38CL	102.00	10.24	94.95
5X38CM	103.00	10.34	95.95
5X38CN	104.00	10.44	96.95
5X38CO	105.00	10.54	97.95
5X38CP	106.00	10.64	98.95
5X38CQ	107.00	10.74	99.95
5X38CR	108.00	10.84	100.95
5X38CS	109.00	10.94	101.95
5X38CT	110.00	11.04	102.95
5X38CU	111.00	11.14	103.95
5X38CV	112.00	11.24	104.95
5X38CW	113.00	11.34	105.95
5X38CX	114.00	11.44	106.95
5X38CY	115.00	11.54	107.95
5X38CZ	116.00	11.64	108.95
5X38DA	117.00	11.74	109.95
5X38DB	118.00	11.84	110.95
5X38DC	119.00	11.94	111.95
5X38DD	120.00	12.04	112.95
5X38DE	121.00	12.14	113.95
5X38DF	122.00	12.24	114.95
5X38DG	123.00	12.34	115.95
5X38DH	124.00	12.44	116.95
5X38DI	125.00	12.54	117.95
5X38DJ	126.00	12.64	118.95
5X38DK	127.00	12.74	119.95
5X38DL	128.00	12.84	120.95
5X38DM	129.00	12.94	121.95
5X38DN	130.00	13.04	122.95
5X38DO	131.00	13.14	123.95
5X38DP	132.00	13.24	124.95
5X38DQ	133.00	13.34	125.95
5X38DR	134.00	13.44	126.95
5X38DS	135.00	13.54	127.95
5X38DT	136.00	13.64	128.95
5X38DU	137.00	13.74	129.95
5X38DV	138.00	13.84	130.95
5X38DW	139.00	13.94	131.95
5X38DX	140.00	14.04	132.95
5X38DY	141.00	14.14	133.95
5X38DZ	142.00	14.24	134.95
5X38EA	143.00	14.34	135.95
5X38EB	144.00	14.44	136.95
5X38EC	145.00	14.54	137.95
5X38ED	146.00	14.64	138.95
5X38EE	147.00	14.74	139.95
5X38EF	148.00	14.84	140.95
5X38EG	149.00	14.94	141.95
5X38EH	150.00	15.04	142.95
5X38EI	151.00	15.14	143.95
5X38EJ	152.00	15.24	144.95
5X38EK	153.00	15.34	145.95
5X38EL	154.00	15.44	146.95
5X38EM	155.00	15.54	147.95
5X38EN	156.00	15.64	148.95
5X38EO	157.00	15.74	149.95
5X38EP	158.00	15.84	150.95
5X38EQ	159.00	15.94	151.95
5X38ER	160.00	16.04	152.95
5X38ES	161.00	16.14	153.95
5X38ET	162.00	16.24	154.95
5X38EU	163.00	16.34	155.95
5X38EV	164.00	16.44	156.95
5X38EW	165.00	16.54	157.95
5X38EX	166.00	16.64	158.95
5X38EY	167.00	16.74	159.95
5X38EZ	168.00	16.84	160.95
5X38FA	169.00	16.94	161.95
5X38FB	170.00	17.04	162.95
5X38FC	171.00	17.14	163.95
5X38FD	172.00	17.24	164.95
5X38FE	173.00	17.34	165.95
5X38FF	174.00	17.44	166.95
5X38FG	175.00	17.54	167.95
5X38FH	176.00	17.64	168.95
5X38FI	177.00	17.74	169.95
5X38FJ	178.00	17.84	170.95
5X38FK	179.00	17.94	171.95
5X38FL	180.00	18.04	172.95
5X38FM	181.00	18.14	173.95
5X38FN	182.00	18.24	174.95
5X38FO	183.00	18.34	175.95
5X38FP	184.00	18.44	176.95
5X38FQ	185.00	18.54	177.95
5X38FR	186.00	18.64	178.95
5X38FS	187.00	18.74	179.95
5X38FT	188.00	18.84	180.95
5X38FU	189.00	18.94	181.95
5X38FV	190.00	19.04	182.95
5X38FW	191.00	19.14	183.95
5X38FX	192.00	19.24	184.95
5X38FY	193.00	19.34	185.95
5X38FZ	194.00	19.44	186.95
5X38GA	195.00	19.54	187.95
5X38GB	196.00	19.64	188.95
5X38GC	197.00	19.74	189.95
5X38GD	198.00	19.84	190.95
5X38GE	199.00	19.94	191.95
5X38GF	200.00	20.04	192.95
5X38GG	201.00	20.14	193.95
5X38GH	202.00	20.24	194.95
5X38GI	203.00	20.34	195.95
5X38GJ	204.00	20.44	196.95
5X38GK	205.00	20.54	197.95
5X38GL	206.00	20.64	198.95
5X38GM	207.00	20.74	199.95
5X38GN	208.00	20.84	200.95
5X38GO	209.00	20.94	201.95
5X38GP	210.00	21.04	202.95
5X38GQ	211.00	21.14	203.95
5X38GR	212.00	21.24	204.95
5X38GS	213.00	21.34	205.95
5X38GT	214.00	21.44	206.95
5X38GU	215.00	21.54	207.95
5X38GV	216.00	21.64	208.95
5X38GW	217.00	21.74	209.95
5X38GX	218.00	21.84	210.95
5X38GY	219.00	21.94	211.95
5X38GZ	220.00	22.04	212.95
5X38HA	221.00	22.14	213.95
5X38HB	222.00	22.24	214.95
5X38HC	223.00	22.34	215.95
5X38HD	224.00	22.44	216.95
5X38HE	225.00	22.54	217.95
5X38HF	226.00	22.64	218.95
5X38HG	227.00	22.74	219.95
5X38HH	228.00	22.84	220.95
5X38HI	229.00	22.94	221.95
5X38HJ	230.00	23.04	222.95
5X38HK	231.00	23.14	

MARS Crossband Test Coming Soon.....

⇒ STATION 'WAR' OPERATIONS FOR 2010 ARMED FORCES DAY CROSSBAND TEST (AFDCBT)

A. EMAIL DEWAYNE SMITH/AAA9F

1. SITUATION: MARS WILL TAKE PART IN THE ANNUAL ARMED FORCES DAY COMMEMORATION WEEKEND OF 08-09 MAY 2010.

A. ON-AIR OPERATIONS CONSIST OF SIMPLE CROSSBAND CONTACTS BETWEEN DESIGNATED MARS STATIONS AND THE AMATEUR RADIO COMMUNITY.

B. ADDITIONALLY SEVERAL MARS STATIONS WILL BROADCAST A SECRETARY OF DEFENSE MESSAGE TO AMATEUR RADIO OPERATORS.

C. EVENT ANNOUNCEMENT WILL APPEAR IN VARIOUS AMATEUR RADIO PUBLICATIONS.

D. THIS MESSAGE REQUESTS VOLUNTEER OPERATORS FOR THE PENTAGON STATION. THIS HAS TYPICALLY BEEN A SPIRITED AND HIGH PARTICIPATION EVENT. W-A-R ALONE CONTACTED OVER 300 AMATEUR STATIONS IN THE 2009 AFDCBT.

2. MISSION: REF A CONFIRMS PENTAGON MARS STATION WILL FUNCTION AS STATION W-A-R DURING ANNUAL ARMED FORCES DAY MILITARY/AMATEUR CROSSBAND COMMUNICATIONS TEST SATURDAY 08 MAY 2010. W-A-R WILL BE ONE OF APPROXIMATELY 14 STATIONS ACROSS ALL SERVICES.

A. VOLUNTEER OPERATORS. STATION INVITES VOLUNTEER MARS OPERATORS FROM ANY MARS SERVICE TO OPERATE FROM THE PENTAGON STATION. THEY WILL AUGMENT REGULAR PENTAGON VOLUNTEER OPERATORS. AS A JOINT-SERVICE MARS ENTITY, STATION WILL EMPLOY ALL-SERVICE MARS OPERATORS, PRIMARILY FROM REGION 3 BUT WILL CONSIDER OPERATORS FROM OUTSIDE THE REGION.

(1) THOSE MARS OPERATORS WITHOUT REGULAR PENTAGON ACCESS WILL REQUIRE ESCORT FROM THE PENTAGON ENTRANCE TO STATION AND BACK. HOST STATION K4AF/AAN3PNT WILL ACCEPT A LIMITED NUMBER OF NON-BADGED VISITORS.

(2) VOLUNTEER GUEST OPERATORS WILL OPERATE UNDER SUPERVISION OF NORMAL STATION OPERATORS.

(3) PRESENT PLANS ARE FOR THREE SHIFTS OF FOUR HOURS EACH, DEPENDING ON NUMBER OF VOLUNTEER OPERATORS AND AVAILABLE PENTAGON ESCORTS. WE WILL ADJUST THE OPERATING HOURS TO BALANCE OPERATOR RESOURCES.

3. EXECUTION:

A. PENTAGON MARS STATION CONDUCTS CROSSBAND OPERATIONS WITH TRANSMIT FREQUENCIES AS PUBLISHED IN AFDCBT ANNOUNCEMENT. PRIMARY PERIOD OF OPERATIONS IS 081201-082359Z MAY 2009 (TWELVE HOURS).

B. VOLUNTEER MARS OPERATORS AUGMENT THE STATION DURING SHIFTS. AT PRESENT, COORDINATOR IS PLANNING FOR UP TO TWO MARS AUGMENT OPERATORS EACH SHIFT. INITIAL PLAN:

- (1) 0800L-1200L NAVY MARS
- (2) 1200L-1600L AIR FORCE MARS
- (3) 1600L-2000L ARMY MARS

C. W-A-R WILL BROADCAST THE 2010 SECRETARY OF DEFENSE (SECDEF) ARMED FORCES DAY MESSAGE TO AMATEUR RADIO OPERATORS DURING A DAYTIME AND NIGHTTIME BROADCAST SLOT. ONE OF TWO STATIONS WILL BE SHIFTED FROM A QSO-ROLE TO A BROADCAST-ROLE DURING THOSE SLOTS.

4. SERVICE SUPPORT: REQUEST REGION 3 DISTRIBUTION.

5. COMMAND AND SIGNAL:

A. POC WILL CONFIRM ALL VOLUNTEERS WITH APPROVALS AND DETAILED INSTRUCTIONS/LOGISTICS AFTER ALL VOLUNTEERS ARE KNOWN---PLEASE PROVIDE YOUR NAME, MARS AND AMATEUR CALLSIGNS, TELEPHONE NUMBER, AND EMAIL ADDRESS TO PRIMARY POINT OF CONTACT (POC):

RICK LOW AAT3PG: AAT3PG@WINLINK.ORG OR

RICK.LOW(AT)NSS(DOT)PENTAGON(DOT)MIL

SECONDARY/ALTERNATE POC IS GARY SESSUMS AFA3GS: GARY(DOT)SESSUMS(AT)PENTAGON(DOT)AF(DOT)MIL

B. REQUEST RESPOND BY 09 APR 2010.

(Thanks to N3VEF for turning me on to this)

More From The IARU.....(from page 8)

⇒ BILL WILSON, VE3NR, SK

The International Amateur Radio Union expresses its profound regret of the recent passing of Bill Wilson, VE3NR. Bill was a strong supporter of the amateur radio service with his work for the Canadian regulator at the International Telecommunications Union. He provided support and guidance to the Canadian IARU member society for many years. Bill mentored a number of prominent individuals including Robert Jones VE7RWJ, the former Director of the Radiocommunication Bureau at the ITU.



IARU President Tim Ellam VE6SH remembers Bill was instrumental in assisting Canadian amateurs with planning for WARC-92. "Bill Wilson was one of the best friends amateur radio could have. His guidance and support to Radio Amateurs of Canada and its predecessor societies cannot be underestimated" Ellam said. IARU President Emeritus, Larry Price W4RA, recalled that WARC-92 was a turning point in the future relationship between CARF and CRRL when neither organisation could agree on a single spokesperson for amateurs in Canada and this eventually resulted in proposals to combine the two to have a single national Society, R.A.C. "Bill Wilson was a strong leader who did not lose sight of the eventual goal of representing well the radio amateur's interests, he is sorely missed."

The IARU and its member societies express its deepest sympathies to Bill Wilson's family.

⇒ IARU REGION 2 ASSISTS MEMBER SOCIETY WITH EARTHQUAKE DAMAGE

At the 2007 Triennial IARU Region 2 Conference, the General Assembly established a Region 2 Relief Fund. Like many other areas around the world, portions of R2 are situated in areas that are subject to numerous hurricanes, severe storms, floods, earthquakes and other types of natural disasters. During some of these natural disasters, Region 2 national amateur radio societies have suffered severe or extreme damage to their society stations and buildings, including antenna systems. The societies in Region 2 felt there was a need for a process of collecting donations and distributing donations to Region 2 Member Societies who have suffered damage to their national society stations or buildings that are due to natural disaster.

The resolution passed unanimously by the Region societies at the conference directed that funds accumulated in the Region 2 Relief Fund shall be distributed by the R2 Executive Committee solely to assist Region 2 Member Societies for repairing or rebuilding stations and buildings, including antenna systems, because of damages resulting from natural disasters. Member Societies that receive funds from the Region 2 Relief Fund must provide a report with the R2 Executive Committee detailing for the use of such funds. The conference set aside an initial 5,000 USD for the fund.

In February of this year, Chile suffered a severe earthquake which registered 8.8 on the Richter scale. The headquarters station for the Chilean member-society, Radio Club de Chile, suffered major damage to its building and its antenna system. RCCH asked the R2 EC for monetary assistance from the R2 Relief Fund and the R2 EC agreed to assist the society with funds to help repair its HQ building and antenna system. This is an excellent example of the IARU stepping in to help one of its member-societies in a time of need. If your national society would like to assist the RCCH with a donation, please contact the Region 2 Secretary, Ramon Santoyo XE1KK at <xe1kk@iaru.org>.

⇒ IARU QUESTIONS WHETHER CERTAIN MEMBER-SOCIETIES STILL EXIST

At the IARU Administrative Council meeting in October, 2009, a procedure was adopted to deal with the situation of non-existent or non-functioning member-societies. Under this newly adopted procedure, if the IARU regional organization determines that there is no evidence of the continued existence of the society for a period of 5 years then the regional organization may request that the Administrative Council publish a notice in the IARU /Calendar/ its belief that the society has ceased to exist and calling for the submission of any evidence to the contrary within 180 days of such publication. If no evidence of the continued existence is presented to the AC within the 180-day period then that Member-Society shall be deemed to no longer exist.

(CONTINUED ON PAGE 13)



In the NPRM, the FCC agreed with the ARRL that the APC requirement "may be unnecessarily impeding Amateur Radio operators in advancing the radio art," but the Commission does not propose to simply eliminate the APC requirement. Noting that the purpose of the APC requirement is to limit interference to other stations, the FCC pointed out that commercial broadband Internet service providers operating in the 900 MHz and 2.4 GHz ISM bands argue that the APC requirement should be maintained in order to prevent interference to other users. They also referred to suggestions maintaining that if the APC requirement is eliminated, the FCC should lower the maximum power limit on amateur stations transmitting SS emissions so that interference is minimized.

Given these concerns, the FCC proposes to eliminate the APC requirement and reduce the maximum transmitter power output amateur stations may use when transmitting SS communications from 100 W to a peak of 10 W.

"We believe that this approach is consistent with both the ARRL's request that we eliminate a requirement that may be impossible to implement and the intent of the APC requirement to limit interference to other stations," the FCC stated in the NPRM. "We also believe that the proposed rule change would (1) encourage individuals who can contribute to the advancement of the radio art to more fully utilize SS technologies in experimentation, (2) balance the interests of all users in mixed-mode and mixed-service frequency bands until sharing protocols are sufficiently developed to avoid interference and (3) promote more efficient use of the radio spectrum currently allocated to the Amateur Service." The Commission is seeking comments on this proposal.

In the Order, the FCC made amendments "to correct the Amateur Service rules or conform them to prior Commission decisions." These revisions will take effect once they are published in the Federal Register.

The FCC noted that when they

authorized Novice class and Technician Plus class operators to transmit in certain portions of the 80, 40, 15 and 10 meter bands in 2006, they intended to limit those stations' power in those bands to 200 W PEP, "but the implementing amendment to Section 97.313(c) inadvertently applied that power limitation to all frequencies authorized to Novice and Technician Class licensees. We therefore correct Section 97.313(c) to clarify that the limitation applies only in those bands."

The Commission also revised Sections 97.301 and 97.303 related to the 40 and 60 meter and the 70 cm and 9 cm bands to conform to the Table of Frequency Allocations (Table), and to references within the relevant sections of the rules. They also revised the frequency sharing requirements in Section 97.303 "to limit the summary to those frequency bands that are allocated to the Amateur Service on a secondary basis, and to present the requirements more clearly."

In addition, the FCC moved transmitter power limit information from Section 97.303(s) to Section 97.313, the section concerning transmitter power standards. Section 97.103(c) was amended to delete the cross-reference to Section 0.314(x) that was removed in 1999. They also removed the entry "1260-1270 MHz" from Section 97.207(c) that lists the frequency bands authorized to amateur space stations "because footnote 5.282 to the Table limits the use of that segment to Earth station transmissions."

Pursuant to Sections 1.415 and 1.419 of the Commission's Rules, interested parties may file comments on the NPRM on or before 30 days after date of publication in the Federal Register and reply comments on or before 45 days after date of publication in the Federal Register. Based on previous experience, the ARRL expects publication of the NPRM and Order in the Federal Register sometime in early spring. Instructions on how to file comments on the NPRM only are listed on pages 6-7 in the NPRM. The NPRM can be found on the web at, <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-10-38A1.pdf>.

I.....I didn't know that dept.: Actress Hedy Lamarr, (NO, NOT Hedley Lamarr in 'Blazing Saddles', HA HA) along with composer George Antheil received a U.S Patent (2,292,387) for their frequency-hopping (aka Spread Spectrum) method of preventing radio-guided torpedoes from being jammed. It used a piano-roll to change among 88 different frequencies, thereby making it harder for the enemy to detect or jam 'em. Who sez the newsletter ain't eji-cay-shun-all??

⇒ ARRL SEEKS INPUT FOR NEW IARU REGION 2 BAND PLAN

The International Amateur Radio Region 2 (IARU R2) conference -- held later this year in El Salvador -- brings together delegations from the national Amateur Radio Societies in the Western Hemisphere.

One of the topics on the agenda will be the Region 2 HF band plan. This band plan is "harmonized with" -- spectrum management-speak for "very similar to" -- the IARU Region 1 and Region 3 band plans.

According to ARRL President Kay Craigie, N3KN, many hams in the USA probably did not know there was such a thing as a Region 2 band plan until recently. Now, however, many more American hams have heard of it, but may not know how -- if at all -- this band plan affects them. Here are important facts for American hams to keep in mind:

- * IARU band plans are voluntary guidelines. They do not have the force of FCC regulations.

- * It would be inappropriate to incorporate Region 2 band plans into the FCC rules, and the ARRL has no plan to petition the FCC to do so.

- * Most other countries do not have the detailed sub-band regulations that are in Part 97 of the FCC Rules; for amateurs in those countries, IARU band plans offer the only guidance on frequency use.

- * The recognition of a calling frequency or band segment for a particular purpose or mode in the IARU band plan does not convey any special rights or exclusivity of use.

(CONTINUED ON PAGE 15)

News From The IARU.....(from page 11)

After that, if there is an amateur organization within the country that believes it can perform the duties of an IARU Member-Society then it can apply for IARU membership.

Three IARU Member-Societies in Region 3 will be listed in the IARU /Calendar/ number 189 that fall within this category of non-existent or non-functioning societies. They are: Papua New Guinea (PNGARS), French Polynesia (CORA) and Burma (BARTS). IARU /Calendar/ number 189 will likely be published about the same time this E-Letter is received.

⇒ IARU OPERATING AWARD FOR WORKED ALL CONTINENTS (WAC)

The IARU issues Worked-All-Continents certificates to amateur radio stations around the world that work all six continental areas. Qualification for the WAC award is based on an examination by the International Secretariat, or a member-society, of the IARU of QSL cards that the applicant has received from other amateur stations in each of the six continental areas of the world. All contacts must be made from the same country or separate territory within the same continental area of the world. All QSL cards (no photocopies) must show the mode and/or band for any endorsement applied for. Contacts made on 10/18/24 MHz or via satellites are void for the 5-band certificate and 6-band endorsement. All contacts for the QRP endorsement must be made on or after January 1, 1985 while running a maximum power of 5 watts output or 10 watts input.

For amateurs in the United States and in an area without IARU representation, the WAC application forms are available in MS Word <<http://www.iaru.org/wac/wac.doc>> and Adobe PDF <<http://www.iaru.org/wac/wac.pdf>> format. Once completed, applications should be directed to the WAC Awards Manager, ARRL, 225 Main Street, Newington, CT USA 06111. After verification, the cards will be returned and the award sent soon afterward. Also, approved DXCC card checkers can verify WAC program applications. For the latest list of DXCC card checkers visit <<http://www.arrl.org/awards/dxcc>>. There is a \$13.00 fee for US applicants. Sufficient return postage, or, a self-addressed stamped envelope, is required for the return of QSL cards. US amateurs must have current ARRL membership. At the present time credits in the ARRL LogBook of The World (LoTW) system cannot be claimed for WAC credit. Applicants who have a current DXCC award in the DXCC computer system can apply for WAC by completing the WAC application form and sending it to the address noted above, listing credits to be claimed on the application form. In this case QSL cards are not required. Send questions to <wac@arrl.org>. For all other amateurs, applicants must be members of their national amateur radio societies <<http://www.iaru.org/iaru-soc.html>> affiliated with the IARU <<http://www.iaru.org/>>, and apply through the society.

If you have any information that would be appropriate to publish in this electronic newsletter, please contact me at w6rod@iaru.org.

Rod Stafford W6ROD
IARU Secretary

(COURTESY OF THE ARRL IARU BULLETIN)

If you haven't sent in your dues yet, times 'a wastin'!
Use the enclosed form to do so! Thanks!

AA3TK
AE3JM
AI3J
AK3J
DC3RJ
K3GJS
K3JHT
K3LAB
K3RYA
KA3JKS
KA3LIW
KA3MSE
KA3MXQ
KA3YNO
KB3BZR
KB3CWE
KB3GMN
KB3LED
KB3LY
KB3NZX
KB3ORO
KB3RUK
KB3SVF
KD7HR
KR8Q
KT3L
N3DQ
N3DXE
N3EQP
N3EVM
N3GHI
N3GHO
N3SAF
N3SBF
N3UUZ
N3VEF
NB3C
NU3Q
NU3S
W3HH
W3JQJ
W3MAC
W3MHY
W3SVJ
W3UUH
W3WTW
W6LAC
WA3BKD
WA3FWA
WA3PYU
WA3RVD
WA3TTS
WA3VXJ
WA8NLX
WB3AGB
WB3CRC
WB3HDI
WQ3T

The SCARC Club Roster (as of April 2010)

More Legislative Stuff Needing Your Attention

We have an opportunity to lend our support to passage of legislation that will help the FCC acquire the expertise needed to understand, regulate, and support communications in a rapidly changing technical environment.

On March 10, H.R. 4809 was introduced to the House of Representatives. The bill has been assigned to the House Committee on Energy and Commerce. The "FCC Commissioners' Technical Resource Enhancement Act" would authorize each FCC commissioner to appoint an electrical engineer or computer scientist to their staff to provide technical consultation when appropriate.

We ask that you send a letter to your local House member asking for support of H.R. 4809. As always the letters should be personalized for your own Representative. You can obtain the names and addresses of your local Member of Congress from the ARRL Web Site Members Only area at: www.arrl.org/members-only/

As in the past, we are requesting that you send your letter to our Washington representative:

As a signed attachment to an E-Mail to: arrl@chwatco.com

As a signed fax to 703-684-7594

As a regular letter to John Chwat
Chwat & Co.
625 Slaters Lane
Suite 103
Alexandria, VA 22314



Should you choose to email their letter, please send it as an attachment to the email instead of it being the text of the email. This allows the letter to be easily printed and delivered. Our representative will gather the letters and deliver them in person to each representative's office, where it will be logged in. This not only assures that your mail reaches your representative, but also gives us a chance to see how many responses we get.

If you would prefer to draft your own letter supporting H.R. 4809 instead of editing the sample, please consider these recommendations

- Identify the bill by number and title: H.R. 4809, the "FCC Commissioners' Technical Resource Enhancement Act":
- Keep the letter brief and on topic - one page at the most.
- Ask the Representative to consider becoming a cosponsor and support this legislation.
- Thank them for their consideration.

Simple is better when making this kind of request. Representatives and their staffs are looking to gauge interest and support for the bill. A lengthy letter that strays off topic can detract from the focus of asking for support for this specific legislation.

Please send a copy of your letter to Chwat & Co. This allows our team to discuss accurately with the Representatives and their staff the amount of support for the bill in each district.

Thank you for your support!

Dave Prestel, W8AJR
Division Legislative Action Chair
ARRL Atlantic Division

A new, more transparent procedure will be followed this year for considering possible changes to the Region 2 band plan. The ARRL is cooperating with this procedure by inviting input to be sent to the ARRL Board of Directors' Band Planning Committee. The committee will review the existing Region 2 band plan, consider input from the amateur community and make recommendations to the ARRL Board for submission to IARU Region 2.

The inadvertent omission of the AM center of activity frequency (calling frequency) -- 3.885 MHz on 80 meters -- has already been noted, and this will be one of the recommended revisions.

⇒ FCC ISSUES NOTICE OF PROPOSED RULE MAKING ON GOVERNMENT DISASTER DRILLS AND AMATEUR RADIO

On March 24, the FCC released a *Notice of Proposed Rule Making (NPRM)* proposing to amend the Commission's Amateur Radio Service rules "with respect to Amateur Radio operations during government-sponsored emergency preparedness and disaster readiness drills and tests." While current rules provide for Amateur Radio use during emergencies, the rules prohibit communications where the station licensee or control operator has a pecuniary interest, including communications on behalf of an employer. In October 2009, the FCC released a *Public Notice* clarifying the Commission's rules relating to the use of Amateur Radio by licensed amateurs participating in drills and exercises on behalf of their employers. To date, the FCC has granted several dozen waivers under this new policy.

The FCC notes that while there are some exceptions to this prohibition, "there is none that would permit amateur station control operators who are employees of public safety agencies and other entities, such as hospitals, to participate in drills and tests in preparation for such emergency situations and transmit messages on behalf of their employers during such drills and tests." Based on that, the Commission proposes to amend the rules to provide that, under certain limited conditions, Amateur Radio operators may transmit messages during emergency and disaster preparedness drills, regardless of whether the operators are employees of entities participating in the drill.

⇒ ARRL REQUESTS SUPPORT FOR S 1755

Senate Bill 1755 -- *The Amateur Radio Emergency Communications Enhancement Act of 2009* introduced in October 2009 by Senators Joe Lieberman (ID-CT) and Susan Collins (R-ME) -- has unanimously passed the US Senate and has been sent to the US House of Representatives for consideration and now sits in the House Committee on Energy and Commerce. The ARRL is asking its membership to contact the leadership of the Energy and Commerce committee, requesting support and action on moving S 1755 through the committee. S 1755 accomplishes the same things as HR 2160; HR 2160 was introduced in April 2009 by Rep Sheila Jackson Lee (D-TX-18). Since S 1755 has already been approved by the Senate, moving it forward in the House will simplify the process. Click [here](#) for more information, including instructions on how to encourage the committee's leadership to support S 1755.

⇒ ARRL, AMERICAN RED CROSS SIGN MEMORANDUM OF UNDERSTANDING

On Thursday, March 25, ARRL President Kay Craigie, N3KN, signed a new Memorandum of Understanding (MoU) with the American Red Cross (ARC) at ARC National Headquarters in Washington, DC. The MoU, which replaces an earlier Statement of Understanding that expired in 2007, provides a "broad framework for cooperation" between the ARRL and the ARC "in preparing for and responding to disaster relief situations at all levels in rendering assistance and service to victims of disaster, as well as other services for which cooperation may be mutually beneficial."

The ARRL Board of Directors approved the signing of the MoU at its January 2010 meeting following the completion of negotiations. The Red Cross requires the completion of a criminal background check to participate in Red Cross activities and provides a process by which a volunteer may have a criminal background check performed at no cost to the volunteer.

In the case of ARRL volunteers, the Red Cross has agreed to accept an alternative process: ARRL volunteers may arrange, at their own initiative and expense, to have the criminal background check performed by a state or local law enforcement agency.

The Red Cross also has agreed that ARRL volunteers shall not be asked or required to consent to credit checks, mode of living investigations or investigative consumer reports in order to provide a communications function.

The ARRL and the Red Cross encourage interested volunteers in their respective organizations to become members and to participate in the activities of the other organization. ARRL volunteers should be aware that if they wish to become Red Cross volunteers, they may be required to consent to additional background checks in accordance with Red Cross policy that may include credit checks, mode of living investigations or investigative consumer reports.

Per the MoU, "both ARRL volunteers and ARC workers will work cooperatively at the scene of a disaster and in the disaster recovery, within the scope of their respective roles and duties as recommended."

During a Red Cross Disaster Relief Operation (DRO) and depending on their training and qualifications, ARRL volunteers may perform in one or more of several roles, including Amateur Radio Liaison, Communication Equipment Operator, Communication Equipment Installation/Repair and Disaster Assessment. ARRL volunteers who are assigned roles by the Red Cross during a DRO will be provided with Red Cross credentials as required by the role, consistent with Red Cross policy.

"Because of the importance of emergency communications, we are happy to be able to continue the League's longstanding relationship with the American Red Cross," said ARRL President Kay Craigie, N3KN. "The ARC and other served agencies give Amateur Radio operators the worthwhile missions in our communities that allow us to thank America for the privilege of being hams."



(CONTINUED ON
PAGE 19)

A few voltage checks here, a few there, clean up some corrosion, find some suspect parts....looks like it will live. Ahh...looks like this is going to be an easy fix. At this point, Dear Friends, I refer you to the opening lines of my ramblings. So this capacitor is not quite up to par, look in the junk box...got one! Hmm...need another...FOUND IT! Well the noise and humming are starting to go away. Not quite there yet. A little more cleaning, touch up some solder joints. Better, but not 100 % just yet. OK, enough for today.

The next day. Back to the bench and for some strange reason the noise and hum are back!! Odd! Ah! The audio cables used do not have the best shielding. That must be the source of the extra hum. Better cables are applied and we are golden! The hum is gone. Well... not 100% but acceptable. After all the "test audio amp" is an old stereo with an Aux input so it may be a bit noisy. A few more rounds of testing and this poor little Widget is looking good and almost ready to go back into service. A bit more cleanup and I think I'm about done. That's enough for today.

Next day is a final check and wrap up. What the bloody....the hum is BACK!! And worse than when this thing got on the bench! AARRGGHH! Is this thing rejecting the transplanted parts? At THIS point, Dear Friends, I refer you back to the "slight supply voltage drop". I've changed out the bad caps. I've cleaned connections. I've verified as much of the operation as I could. I don't get it. Where is this humming, this 60 cycle humming coming from??? Nah...it can't be. Could it? Having a dual, variable, bench power supply is a wonderful thing! Turn off the Widget and connect it to the second supply....WOW!! No more hum!! Voltage is stable!! It sounds great!! IT LIVES!!

But what went so wrong that now things are so right??

Remember the part about assuming our test equipment is good to go since we have used it recently? Yep, yours truly made that fatal error of assuming the bench supply was in proper working order. I assumed as much since it was out for testing and calibration and came back with a clean bill of health. At that time it may have passed all its checks and indeed was 100%. However, the one thing that I did not count upon was the filter cap(s) in the bench supply were on the way out! Leaky caps can cause voltage sag even in regulated supplies!!

I followed the rules of trouble shooting. I indeed found bad Widget guts. The widget was happily doing its thing albeit this odd voltage drop and hum. Enter the filter cap in the power supply. That nagging slight voltage drop from a regulated power supply was ignored since I knew Widget had some issues. I assumed poor Widget was the cause of the voltage drop and ALL the noise.

Trouble Shooting 101 tells up if we do not get expected results, we go back to square one. I got back to square one after the flash bulb went off in my head and with "I can't believe I did this" kind of thing reverberating in my head, Widget is back to 100% as it can be and will live another day or two or three. ("Widget" just happens to be our 440 repeater controller which is happily doing its thing as it should.)

It happens to the best of us. We get into a mind set of how we will attack a problem and try and solve it. Trust me; it is easy to do when trouble shooting electronics. Sometimes, multiple errors show up and look as though they are one problem. Keeping the mind open for such possibilities is the key. Will I do the same things again? Yeah. Do other people do such things? All the time!

But we need to start somewhere and, at times, assume.

Even though doing so can come back and bite us and make us crazy, it is part of finding the solution to a given problem. All of this adds to the greater whole and to the learning curve creating an arsenal of knowledge to help our selves and others in the many facets of our lives. Hmm....maybe when properly applied, assuming isn't such a bad thing after all?

It is said that the definition of insanity is: "doing the same thing over and over expecting a different result". They MUST have been talking about troubleshooters!! hi hi If these ramblings seem dis-connected....I refer you back to the part about going crazy during trouble shooting.

Never mind that it's 4 AM.

Thanks for reading along and 'til next time,
73, Bob, 'HDI



Spring Cleaning, SCARC Style.....



First area cleaned of many weeds. WB3HDI photo
APR 2 2010



Turned into this pile. WB3HDI photo
APR 2 2010

Here we have some photos of the 2010 weeding project started at Mt. SCARC.

The first area to be weeded is, to the left of and, in front the shed. The first pic shows the area cleaned up with the second pic showing what was removed. The second area is near Ziggy's old W51 tower and the forth pic shows the results.

You may wonder why this is being undertaken. Well the vines have been crawling up towers, poles, feedlines and antenna legs. It is time to tackle this problem before it gets worse and we may then take down some of the weed trees that have sprung up over the years.

Last year I cleared a large area along the road near the upper most power pole of LOTS of vines clinging to our phone line. Maybe it's me but I think the drop out rate on our internet/phone seemed to be much less after the vines were cut away.

The plan, as mentioned at past meetings, is to select a section of the club grounds that we can realistically manage this year. If we get more areas weeded, grrreat! The vines choking everything and poison ivy are the main two items needing removal.

There are spot areas such as the fold over tower that has many vines crawling all over it and a couple places near the Cell shed.

Once these areas are cleaned of vines and any stumps, the grass cutter can be run over these areas keeping the afore mentioned problems at bay. At least this what we hope will happen!!

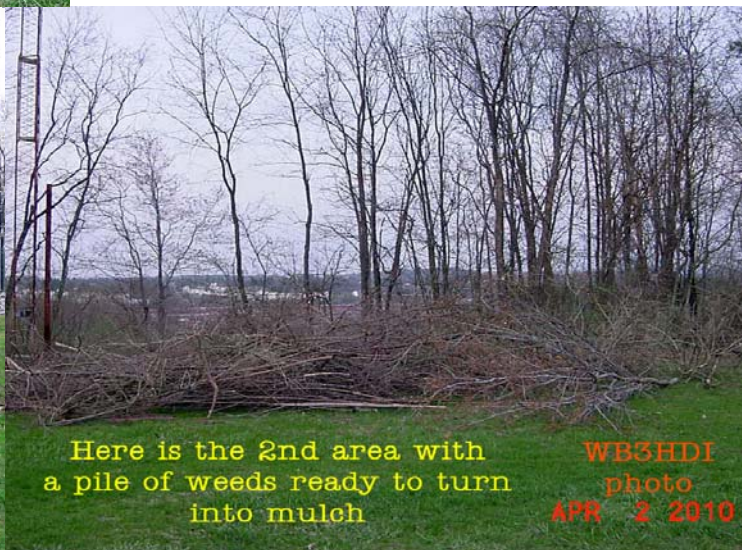
Billy N3VEF, Karl WA3VXJ, Nat W3SVJ and myself have started in on this project (mess?) and all are welcome to lend a hand. No need to break our backs either. If say an area of 25-50 square feet by any one person is all you can handle then that is absolutely wonderful !! ANYTHING will be a great help! Every drop in the bucket adds up!!

Many thanks to those who have started to make this happen and to those that have told me that they will participate. If you are not sure of where to weed, get in touch with Karl, myself, Billy and Joe WB3AGB.

73
Bob, 'HDI



Here is the next area that got a bit of trimming. WB3HDI photo
APR 2 2010



Here is the 2nd area with a pile of weeds ready to turn into mulch. WB3HDI photo
APR 2 2010

Arecibo Observatory EME Special Event.....

In less than two weeks the Arecibo Observatory Amateur Radio Club will again put the 1000-foot radio telescope on the air for 432 MHz EME.

The scheduled times of operation are:

April 16: 1645 - 1930 UTC

April 17: 1740 - 2020 UTC

April 18: 1840 - 2125 UTC

Callsign: KP4AO

Tx Frequency: 432.045 MHz

Rx Frequency: 432.050 to 432.060+

Tx power: 400 W

Antenna gain: 60 dBi

System noise temp: 120 K (cold sky)

System noise temp: 330 K (when pointed at moon)

KP4AO can be heard with a small hand-held yagi pointed at the moon, and a good receiver. A 15 dBi antenna and 100 W will be enough to work us on CW.

Operators at KP4AO will do their best to work as many stations as possible.

Each session will start with a brief announcement and CQ in SSB. SSB QSOs may continue for 30 minutes to an hour, if the QSO rate remains high. The mode will be shifted to CW as soon as it is judged that higher QSO rates would result.

We will listen for calls at frequencies 5-15 kHz higher than our own, and even higher if QRM warrants. Callers who s-p-r-e-a-d o-u-t are more likely to be copied.

If you've already worked us in any mode, please do not call again -- give others a chance.

If we call "CQ QRP", we will listen for stations running 100 W or less to a single yagi. Please do not answer such a CQ if you are running more power or have a larger antenna.

On April 18, if we reach a condition where most calling stations have been worked, and we judge that operating in the digital mode JT65B would produce a higher QSO rate, we will switch to JT65B.

Note that any of these planned operating strategies may be changed as circumstances dictate.

We are extremely fortunate to have been granted access to the world's largest radio telescope for this amateur radio good-will event. We look forward to working as many stations as possible in the allotted time!
73 from Joe, K1JT, on behalf of all the gang at KP4AO

Atlantic Division Survey.....

We've got a new survey available for all amateur radio operators in the Atlantic Division. We want to get feedback on amateur radio operators' thoughts on the new ARRL and American Red Cross MOU; and also on the potential impact on amateur radio with proposed state legislation regarding the use of wireless devices by a driver while on the highway.

This survey is open to amateur radio operators in the Atlantic Division. ARRL membership is not required to participate in this survey. Feel free to share the survey link with your friends and amateur radio club members who reside within the Atlantic Division.

The survey will close on Wednesday, April 28th at mid-night.

The survey can be reached at this URL:
<<http://www.bestvote.org/phpQ/fillsurvey.php?sid=28>>
73, Bill Edgar, N3LLR & Tom Abernethy, W3TOM

⇒ CITY OF MANASSAS ENDS BPL SERVICE

Once touted as "the most successful BPL deployment in the nation," the City of Manassas has decided to get out of the BPL business, once and for all. At a Special Meeting on Monday, April 5, the Manassas City Council -- acting on a recommendation from the Manassas Utilities Commission -- unanimously voted to discontinue Broadband over Powerline (BPL) Internet service as of July 1, 2010 to the approximately 520 residents and businesses who currently subscribe to the service; these customers were told that they have three months to find a new Internet service provider.

According to Manassas City Clerk Andrea Madden, there was no discussion on the resolution to discontinue service and the motion was passed "without incident."

With the motion made by Councilman Jonathan Way and seconded by Mark Wolfe, the City Council cited three reasons for discontinuing BPL service: a declining customer base, an annual income deficit of almost \$166,000 from providing Internet service, and a determination that AMI [Advanced Metering Infrastructure] platforms don't require BPL. Way and Wolfe favored shutting down the BPL system in November 2009, the last time this matter was brought to the Council's attention. "The City needs to get out of BPL forthwith," Way said back in 2009. "It's not a good product. The whole business is not financially sound and it never has been."

Manassas residents pay \$24.95 each month to receive Internet service via BPL. In November 2009, the Utility Commission showed the Council that little more than 500 residents and 46 businesses currently subscribed to the service, which since 2008, has been run by the City. "It's costing a little more to maintain the system than we projected in the budget," Manassas Director of Utilities Michael Moon told the Council. "The original projections were that the customer base would be double this." In September 2008, the Manassas City Council voted to assume control of the BPL service from COMTek, the private company that served (back then) approximately 675 residents.

In January 2009, there were 637 residential and 51 commercial BPL subscribers in Manassas. In February 2010, those numbers had shrunk to 457 residential and 50 commercial subscribers. The Utilities Commission said that the total revenue brought in by BPL for FY2010 was almost \$186,000, but the expense of keeping up the City-owned system was costing the ratepayers a little more than \$351,000, resulting in a net loss of almost \$166,000.

"In October 2003, the Manassas City Council was told that it could expect as much as \$4.5 million in revenue from awarding a 10 year BPL franchise," said ARRL Chief Executive Officer David Sumner, K1ZZ. "Instead, six months later, BPL had turned into a money pit for the City of Manassas. Anyone thinking of investing in BPL would do well to learn from the Manassas experience."

In November 2009, Manassas' Assistant Utilities Director (Electric) Gregg Paulson told the ARRL that they had "every intention of putting BPL Internet service in the budget and the Council can decide its fate as they work through the budget process." Paulson also said that while Internet service to consumers would "probably" be the only thing that would be cut if the Council decided to forego BPL, he left the door open as to using the BPL infrastructure for other purposes: "We still own the BPL network, but we may or may not use this network for utility monitoring or other AMI purposes."

But according to the resolution passed by the Council, the Manassas Utilities Department will not be using BPL for AMI, but instead will use "a combination of fiber and wireless technology exclusive of the BPL." According to the Agenda Statement for the Special Meeting, the BPL equipment will be removed from the system and "inquiries will be made regarding the salvage value."

Sumner said that the ARRL's concern was not with the business plan -- that he termed "obviously flawed" -- but with "the interference to licensed radio services -- and in particular the Amateur Radio Service -- inevitably caused by putting radio frequency energy on unshielded, unbalanced conductors. Manassas was touted as 'the most successful BPL deployment in the nation' when FCC Chairman Michael Powell visited the site with much fanfare -- and, the ARRL maintains, in violation of the FCC's own rules -- on the eve of the FCC's vote to adopt inadequate protection for licensed radio services against interference from BPL systems. The taxpayers and ratepayers of Manassas are not the only ones who benefit from the end of this ill-considered foray into BPL. Radio amateurs in the Manassas area have good reason to celebrate, for they have spent countless hours documenting the widespread interference caused by the system."

BPL technology uses the electricity grid in a city and the wiring in individual homes to provide direct "plug in" broadband access through electricity sockets, rather than over phone or cable TV lines. Because BPL wiring is physically large, is often overhead and extends across entire communities, these systems pose a significant interference potential to over-the-air radio services, including Amateur Radio.

(NATIONAL NEWS BRIEFS ARE COURTESY OF THE ARRL BULLETIN, VARIOUS ISSUES)

March 2010
 S M T W T F S
 1 2 3 4 5 6
 7 8 9 10 11 12 13
 14 15 16 17 18 19 20
 21 22 23 24 25 26 27
 28 29 30 31

April 2010

The Steel City ARC Monthly Contest/Event Planner

May 2010
 S M T W T F S
 1
 2 3 4 5 6 7 8
 9 10 11 12 13 14 15
 16 17 18 19 20 21 22
 23 24 25 26 27 28 29
 30 31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 SkyView 2M Net SARL 80M QSO Party WACOM Business Meeting 10M NAC Digi Test SARL 80 m QSO Party - SSB	2	3 SP DX Test MO QSO Party MT QSO Party LZ 40M Open Sprint EA RTTY Test QRP ARCI Spring QSO Party - CW
4 WASH 2M Net SP DX Test MO QSO Party MT QSO Party EA RTTY Test RSGB RoPoCo Test CW	5 Breezeshooters Net GPVHF Society Meeting RSGB 80M Club Championship Test CW Low Power Spring Sprint CW	6 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Meeting	7 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday	8 SkyView 2M Net WASH Business Meeting	9	10 JIDX CW Test EU CW Spring Sprint GA QSO Party Radio Maritime Day CW QCWA QSO Party DIG QSO Party CW
11 WASH 2M Net JIDX CW Test GA QSO Party SARL Hamnet 40M Sim Emerg Test Radio Maritime Day CW QCWA QSO Party	12 Breezeshooters Net	13 WACOM 2M Net WACOM 10M Net 222 Tuesday	14 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting CW Ops Mini CWT Test	15 SkyView 2M Net CW Ops Mini CWT Test	16 Holyland DX Contest - CW/ Digital/SSB	17 TARA Skirmish Digital Prefix Test ES Open HF Championship EU SSB Spring Sprint MI QSO Party Ontario QSO Party YU DX Test
18 WASH 2M Net MI QSO Party Ontario QSO Party YU DX Test ARRL Rookie Roundup - SSB EA QRP CW Test	19 Breezeshooters Net Run For The Bacon QRP Test	20 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	21 Alleg Co. ARES Net WACOM YL Net 144 Wednesday MOON Contest - CW/ Digital/SSB	22 SkyView 2M Net RSGB 80 m Club Championship - PSK/RTTY	23	24 10-10 Spring QSO Party CW SP DX RTTY Test Helvetia Test QRP To The Field FL QSO Party NE QSO Party
25 2 Rivers ARC Hamfest WASH 2M Net 10-10 Spring QSO Party CW SP DX RTTY Test Helvetia Test QRP To The Field	26 Breezeshooters Net	27 WACOM 2M Net WACOM 10M Net 222 Tuesday	28 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday	29 SkyView 2M Net	30	
	EUCW/FISTS QRS Party - CW					

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
 & <www.sk3bg.se/contest> ----- Click here for Table Of Contents

April 2010

The Steel City ARC Monthly Contest/Event Planner

4	Sun	QRP ARCI Spring QSO Party - CW
11	Sun	SKCC Sprint CW
11	Sun	UBA Spring Test SSB
11	Sun	Int'l Vintage Test
11	Sun	Hungarian Straight Key Test CW
11	Sun	DIG QSO Party CW
14	Wed	NAQCC Straight Key/Bug Sprint - CW
14	Wed	RSGB 80 m Club Championship - SSB
17	Sat	Holyland DX Contest - CW/Digital/SSB
17	Sat	EA-QRP CW Contest
17	Sat	Feld Hell Club Sprint
24	Sat	WASH Breakfast
24	Sat	10-10 Int. Spring QSO Party - Digital
25	Sun	FL QSO Party
25	Sun	NE QSO Party
25	Sun	10-10 Int. Spring QSO Party - Digital
28	Wed	SKCC Straight Key Sprint - CW



Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
& <www.sk3bg.se/contest> ----- Click here for Table Of Contents

April 2010
 S M T W T F S
 1 2 3
 4 5 6 7 8 9 10
 11 12 13 14 15 16 17
 18 19 20 21 22 23 24
 25 26 27 28 29 30

May 2010

The Steel City ARC Monthly Contest/Event Planner

June 2010
 S M T W T F S
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 13 14 15 16 17 18 19
 20 21 22 23 24 25 26
 27 28 29 30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 10-10 Int'l Spring Digi Test 7th Call Area Q Party AGCW QRP Paftry IN QSO Party New Eng. Q Party (5/2 too)
2 <i>Pgh. Marathon</i> WASH 2M Net 10-10 Int'l Spring Digi Test 7th Call Area Q Party IN QSO Party	3 Breezeshooters Net GPVHF Business Meeting	4 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting	5 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday	6 SkyView 2M Net WACOM Business Meeting	7	8 Volta WW RTTY Test CQ-M Int'l DX Test FISTS Spring Sprint EUCW Fraternizing CW Q Party (also 3/9)
9 <i>Race For The Cure</i> WASH 2M Net Volta WW RTTY Test CQ-M Int'l DX Test	10 Breezeshooters Net	11 WACOM 2M Net WACOM 10M Net 222 Tuesday	12 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting	13 SkyView 2M Net WASH Business Meeting	14 HAMVENTION	15 King Of Spain CW Test
16 WASH 2M Net King Of Spain CW Test HAMVENTION	17 Breezeshooters Net Run For The Bacon QRP Test	18 <i>SCARC Business Meeting</i> WACOM 2M Net WACOM 10M Net 222 Tuesday	19 Alleg Co. ARES Net WACOM YL Net 144 Wednesday	20 SkyView 2M Net	21	22 Baltic Contest
23 WASH 2M Net Baltic Contest	24 Breezeshooters Net	25 WACOM 2M Net WACOM 10M Net 222 Tuesday	26 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday	27 SkyView 2M Net	28	29 <i>CQ WW WPX CW Test</i> WASH Breakfast
30 <i>CQ WW WPX CW Test</i> WASH 2M Net MI QRP Memorial Day CW Test	31 Breezeshooters Net MI QRP Memorial Day CW Test					

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
 & <www.sk3bg.se/contest> ----- Click here for Table Of Contents

T.R.A.R.C. Hamfest 38th Annual



Sunday April 25, 2010 8am - 2pm

Our 7th Year at: The Spectrum 6001 Smithfield St. Boston, PA 15135

8ft. Vendor Tables 10.00@ - Admission \$5.00

(Children under 12 free when accompanied by an adult)

VE Testing Available - 48 Hour Pre-Registration Required

VE Information - 412.664.1683 - veteam@tworiversarc.com

Great Main Prizes - 50/50 Drawing

(need not be present to win main prizes or 50/50)

1st - Icom IC-706MKIIG 2m, 6m, 440 HF Rig

2nd - Icom IC 208H 2m, 440 Mobile

**3rd - Icom IC T90a 2m, 6m, 440 HT / 4th - Garmin nuvi 255w GPS,
5th - Portable 7" Digital LCD TV / 6th - Midland Weather Alert Radio**

Lots of door prizes

(must be present to win door prizes)

**Sponsored by The Two Rivers Amateur Radio Club, Inc.
P.O. Box 225 Greenock, PA 15047-0225**

412.664.1683 / www.tworiversarc.com / e-mail: hamfest@tworiversarc.com

**Talk in 146.730 Repeater - Mobile Check in 146.520
Mobile Check in Prize Drawing (must be present to win)**

Hot Breakfast - Hot Lunch - Free Coffee

****The Best Food of any Pittsburgh Area Hamfest****



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