

# **KiloWatt Harmonics**

August 2011

Issue #8

Price: FREE!



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

THE OFFICIAL HOUSE ORGAN OF THE STEEL CITY  
AMATEUR RADIO CLUB, PITTSBURGH, PA.

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**Our next meeting date: August 16, 8PM.  
Come for the meeting, stay for the fine  
dining and friendly socializing afterwards.**

**DON'T FORGET CORNROAST 2011 THIS  
MONTH! AUGUST 28 @ 1:00PM.**



Officers of The Steel City Amateur Radio Club:

August 2011

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'KiloWatt Harmonics' is published monthly for the members of the Steel City Amateur Radio Club.

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SCARC is a not-for-profit organization as defined under IRS Rules & Regulations section 501(C)(3).

SCARC is an ARRL-affiliated organization.



Membership is open to all licensed amateurs & interested persons in the Pittsburgh & metropolitan area.

The opinions expressed in KiloWatt Harmonics are not necessarily those of the club, its members, or its Officers.

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Click on an article to read it.

The Steel City Amateur Radio Club (412) 787-0777  
2M Repeater: 147.030/147.630MHz (123.0)  
70cm Repeater: 444.450/449.450MHz (103.5)  
**WA3TTS Beacon:** 144.300MHz (CW)  
**WA3TTS Beacon:** 50.070MHz (CW)  
**WA3TTS Beacon:** 1296.269MHz (CW) (See page 8)

**FRONT COVER:** A cool mobile setup at the ARRL 10GHz+ contest last year @ Lake Erie (Tnx WA3TTS).

**BACK COVER:** A Field Day from way before I was born at the club. (I was really born in the Rocks.) (HAH!)

The Business Meeting is held every third Tuesday of the month @8:00PM.  
A Social Night is held every Wednesday night, except for the week of the Business Meeting. All Amateurs are welcome to attend. Come join our club!  
E-Mail an Officer (or Ye Olde Editor) for details. An application is enclosed in this newsletter (page 19).

Thanks to the following for your contributions this month: ARRL, 425 DX News, Ohio/Penn. DX Bulletin, CQ Magazine, WB3HDI, WA3FWA, W3SVJ, NU3Q, N3EQP, W3WN, WA3TTS, W3YNI, KJ3D, W3UR.

**NEXT ARTICLE DEADLINE:** FRIDAY, SEPTEMBER 9, 5:00PM.  
**PUBLICATION DATE:** SUNDAY, SEPTEMBER 11, 11:00PM.

Please keep me in the loop on local events, ESPECIALLY Public Service events. Remember: Just because you know what's going on doesn't mean I know what's going on.

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The meeting was conducted by the President Bob, WB3HDI at 8 PM with a Pledge of Allegiance to the Flag followed by a moment of silence for our Silent Keys. There were 19 members and 4 guests present. The minutes of the June meeting were accepted as published in the July newsletter. The Treasurer's report was given by the Treasurer Walt, KA3YNO and was accepted by the membership. Walt mentioned that we have 62 paid up members.

### Committee Reports

- ⇒ **Clubhouse** WA3VXJ Karl reported that NU3S Al had installed the new central air conditioning unit in the clubhouse. KA3YNO Walt and W3SVJ Nate cut another door opening into the shed and Nate fixed the ceiling fluorescent light fixture. Karl cut the grass on the club's grounds. 5 gallons of paint was purchased to paint the shed.
- ⇒ **Technical** WA3VXJ Karl and WB3HDI Bob discussed replacing the 440Mhz repeater.
- ⇒ **Contest** WB3HDI Bob said that SCARC made 2042 QSOs on Field Day. NB3C Greg stated that the UHF contest is during the 1<sup>st</sup> weekend in August and the VHF contest is in September. AD3Q Bob talked up our participation in the PA QSO Party.
- ⇒ **Membership** NB3C Greg gave the 2ed of 3 readings for prospective members WB3JLK Rich and KB3REE Ken.
- ⇒ **Newsletter** Some members did not receive a newsletter via email. There may be a problem with the reflector. Hard copies were received via postal service. NB3C Greg also made his usual plea for newsletter articles and pictures.
- ⇒ **Public Service** KA3MSE Lloyd said that we will have the next public service net. NB3C Greg mentioned that the Grand Prix will be held this coming weekend and that the Westmoreland County Air Show would be held on Aug. 20/21 at the Arnold Palmer Airport.
- ⇒ **Ways and Means** WA3FWA Joe will run the 50/50 raffle after the meeting and take any outgoing QSL cards to send to the buro.
- ⇒ **PC & Web Site** W3WTW Tim will be informed about the possible reflector problem.
- ⇒ **Volunteer Exams** AD3Q Bob will instruct interested members on how to be certified as a VE on Wed. July 27 at 7 PM. N3EQP John has VE written material in the Library & on the club's PC.
- ⇒ **New Business** The bill for the AC will be paid as soon as it comes in. KB3VHT John worked former club member N3LL Bob, now located in Florida. AD3Q Bob has a Yaesu FT-950 for sale. Contact him.
- ⇒ **Good of the Order** WA3VXJ Karl wished to thank members for bringing food to tonight's meeting: WA3FWA Joe for hot sausages, KB3GMN Carol and N3SBF Richie for the home brew vegetable medley and WB3HDI Bob for sandwich meats and cheese.
- ⇒ **Motion to Adjourn** by KB3GMN Carol.
- ⇒ **50/50 raffle won by** N3SBF Richie.

Minutes submitted by Recording Secretary WA3FWA Joe.

You're a hard-core ham if: You schedule your wedding so future anniversaries don't coincide with a major DX contest weekend. (HAH!)

**Our next meeting:  
August 16th, 8:00PM.**

**The September meeting  
will be held on  
September 20th at  
8:00PM. Hope to CU  
there!**



**CORNROAST v2011: AUGUST 28TH, 1:00PM. BE THERE!**





Wow have we gotten beat up with the WX this summer! If not almost drowned from the rains, we are just as wet from sweating our anodes off. While I do not need to remind anyone not to over-do in the heat and to drink plenty of H2O, I'm gonna. Don't over-do and drink lots of water. There. Your public service message for the month.

Speaking of overheating, let us not forget about those silent (sometimes) sentinels of air movement. I speak of what many newer pieces of radio equipment have installed as part of the frame. The simple fan.

In this heat these (sometimes) very tiny fans cannot move enough air to keep radios cool. Especially if clogged with dirt, hair, bugs and other things that may not be readily identifiable. If there happens to be any kind of filter, make sure it's clear so max airflow can be had. Especially newer mobile rigs that are, actually IN a mobile environment.

The main cooling fan on our 440 repeater was not up to par. It too, was caked with bugs and other foreign matter turning it into a motor with a "fly" wheel instead of being the fan it was designed to be.

After swapping out the old for a new used fan, we have abundant airflow on the transmitter.

I guess we should cut the old fan a little slack since it ran for something like 10 years or better 24/7. Maybe it was just tired.



Interesting note on cooling fans: Most of the computer power supply failures that I have seen are due to fan failure because of the enormous amount of dust and other ick caked inside the power supply. It's bad enough the parts are crammed into such a small area. Moreover, even under good circumstances these parts run hot; most of the time, past their temp ratings.

Many of us have A/C for our homes so equipment may not see a hostile environment in the way of excess temps. (If any of our gang has not heard, the A/C at the clubhouse is up and running again!)

Even IF you have whole house A/C, it is still good practice to keep the heat sink fins clear and fan blades clean for max airflow.

Small brushes are good for such chores. **NEVER** use compressed air on anything energized. The static from the rushing air WILL, I repeat, WILL destroy your expensive toys. Vacuums can and do create static charges as well. In addition, they **NEVER** should be used on live circuits.

Just like humans, electronics subjected to excess heat can lead to a shortened life span. So, be good to yourselves and your toys. That way you can have fun playing radio or whatever for many years to come.



Thanks for reading my sweaty dribblings...

73 Bob, WB3HDI



You're a hard-core ham if: You pay more attention to the solar forecast than you do your local weather forecast!





## ReconRobotics pays \$17,500.00 to end FCC investigation of rules violations

On Wednesday, July 13, the FCC announced that its Enforcement Bureau and ReconRobotics have entered into a Consent Decree. This resolves an FCC investigation in response to a complaint filed by the ARRL. In 2010, the ARRL alleged that ReconRobotics had violated Section 302a(b) of the Communications Act of 1934 as amended and Section 2.803 of the Commission's rules regarding the manufacturing, marketing, distributing and selling of radio frequency transmitters. In the complaint the ARRL alleged that ReconRobotics had unlawfully marketed the Recon Scout -- a remote-controlled, maneuverable surveillance robot operating in the 430-448 MHz band -- to public safety agencies and certain security personnel prior to the grant of a necessary waiver. The FCC granted a waiver to ReconRobotics in 2010 allowing public safety licensees to operate the device in a portion of the 70cm band. To date, no license applications have been granted by the Commission for the device and the ARRL has petitioned to deny all applications filed.

"After reviewing the terms of the Consent Decree and evaluating the facts before us, we find that the public interest would be served by adopting the Consent Decree and terminating the investigation," the FCC stated. With the announcement of the Consent Decree, and subject to the payment of \$17,500, the FCC declared that the investigation into whether ReconRobotics' marketing of its device is terminated.

On March 15, 2010 -- in response to an ARRL complaint alleging that ReconRobotics had unlawfully marketed the Recon Scout surveillance device before receiving an equipment certification from the FCC, the FCC issued a Letter of Inquiry to ReconRobotics. The Letter of Inquiry directed ReconRobotics to respond to a series of questions regarding the manufacturing, marketing, distributing and selling of the Recon Scout. According to the Consent Decree, ReconRobotics responded to the Letter of Inquiry on April 23, 2010 and at that point, both ReconRobotics and the FCC entered into settlement discussions.

The FCC agreed to terminate its investigation "[i]n express reliance on the covenants and representations in this Consent Decree and to avoid further expenditure of public resources. In return, ReconRobotics agreed to the terms, conditions and procedures of the Consent Decree," including the payment \$17,500 to the United States Treasury within 30 days after the effective date of the order.

The FCC further agreed that as long as no new evidence is presented, it will not use anything it discovered during its investigation against ReconRobotics "to institute, on its own motion, any new proceeding, formal or informal, or take any action on its own motion against ReconRobotics, or any party engaged in the evaluation of ReconRobotics's products, concerning the matters that were the subject of the Investigation" or "take any action on its own motion against ReconRobotics with respect to ReconRobotics's basic qualifications, including its character qualifications, to be a Commission licensee or to hold Commission licenses or authorizations."

## The ARRL alleges that the Recon Scout was sold for use in the 440MHz band prior to the grant of a necessary waiver.

In addition to the \$17,500 payment, per the Consent Decree, ReconRobotics agreed to create and maintain a Compliance Plan by August 12. This Compliance Plan establishes how ReconRobotics will comply with the Communications Act and the FCC rules and orders concerning the manufacturing, marketing, distribution and selling of radio frequency devices. As part of the Compliance Plan, ReconRobotics must implement a training program for all employees and will designate a Compliance Officer who will be responsible for ensuring that the Compliance Plan is administered properly. ReconRobotics will also file periodic compliance reports with the Commission.

"The ARRL is pleased that the Commission has now addressed these clear and repeated violations over time of the FCC's equipment authorization rules and the Communications Act by ReconRobotics," said ARRL Regulatory Information Manager Dan Henderson, N1ND.

## ARRL Board of Directors Holds 2011 Second Meeting

The ARRL Board of Directors met July 15-16. Highlights of the meeting include:

- After hearing a comprehensive progress report, the Board authorized the staff to continue planning to publish an electronic edition of QST as a benefit to ARRL members at no additional charge. (YAY! — Ed.)
- Committees were created to review the ARRL Band Plans for the amateur bands between 902-3500 MHz, to plan the program of activities for the ARRL's Centennial in 2014 and to seek input from youth and others to improve outreach to young Americans.

- The Board welcomed the opportunity for ARRL involvement in the Seventh World Radio-sport Team Championship, to be held in New England during the ARRL's Centennial Year.
- The Board accepted a recommendation to change the name of the RTTY DXCC Award to Digital DXCC.

A more detailed report of the meeting will be distributed when the minutes are released. If you would like to receive a copy of the minutes via e-mail, please go to "Edit your Profile" on the ARRL website, click on "Edit Email Subscriptions" and check the box labeled "ARRL Board meeting agendas and minutes." The minutes will also be available for download from the website in the coming days.

## ARRL Soliciting Stations to Become Emergency Liaison Stations

During the 2008 hurricane season, ARRL Headquarters instituted a Command-Control-Coordination (C3) operation to support operations taking place in the affected ARRL Sections. One requirement was the need for Headquarters to establish radio links into the affected areas. In the summer -- the height of hurricane season -- 75 meters is noisy and doesn't propagate well during the day and hindered W1AW's reach into these areas. As such, the nets on 40, 75 and 80 meters -- while providing excellent coverage of several hundred miles in the impacted areas -- did not allow W1AW to monitor these frequencies, nor did it permit monitoring of developing conditions that would allow Headquarters staff to maintain a higher level of situational awareness and disaster intelligence necessary for support operations.

## The ARRL is looking for stations that can blend the Internet with radio, for an Emergency Preparedness Network.

ARRL West Gulf Division Director David Woolweaver, K5RAV, offered his EchoLink system to ARRL during the 2008 hurricane season. Woolweaver -- who had good propagation into the impacted areas during the tropical events in the Gulf of Mexico area -- established a connection between his home HF equipment and EchoLink. By connecting in to this, W1AW was able to use a direct EchoLink connection to Woolweaver's home station, enabling W1AW to come up on these HF frequencies. With EchoLink, the ARRL was to maintain contact between the affected areas and with the National Hurricane Center and VoIP Hurricane Net operations. (CONTINUED ON PAGE 10)

National news briefs articles are gleaned from various issues of the ARRL Bulletin and are ©2011, ARRL.

National News Briefs





## THE REPUBLIC OF SOUTH SUDAN IS NOW A DXCC ENTITY

At 10:18 AM (EDT) on Thursday, July 14, the UN General Assembly met to vote on whether or not to admit the Republic of South Sudan as its 193rd member state. The Republic of South Sudan was unanimously admitted and is now a member of the United Nations; a two-thirds majority is needed to become a member of the UN.

Immediately following the General Assembly meeting, the flag of the Republic of South Sudan flew for the first time in front of the UN, ceremoniously marking its membership in the UN.

Now that the Republic of South Sudan is a member of the United Nations, the new country is now a DXCC entity by way of Section II, 1(a) of the DXCC rules. The DXCC Desk will begin immediately accepting QSOs for this new entity, with a start date of July 14, 2011.

According to DXCC Manager Bill Moore, NC1L, the Honor Roll numbers move from 340 to 341 for the Top of the Honor Roll, and for Honor Roll it becomes 332. "The deadline for the Honor Roll and annual listings is December 31, so you must submit the new entity to DXCC by then in order to retain your Honor Roll status," Moore explained.

"For Logbook of The World (LoTW), you may submit all your QSOs with the Republic of South Sudan stations anytime. There is no need to hold them out of your log or do anything differently from what you already have been doing. You do not need to assign country names or identifiers. After we issue certificates to the Republic of South Sudan license holders, LoTW will make matches and assign the correct entities automatically."

As of July 14, the International Telecommunication Union (ITU) has not announced a prefix block for the Republic of South Sudan.

- ⇒ **ANTARCTICA**. Brian, VK2BFG is QRV as VK0BFG from Casey Station and has been active on 40 meters using SSB during his weekends. QSL to home call.
- ⇒ **BANGLADESH, S2**. Tatal, S21RC has been QRV on 20 meters between 1440 and 1600z. QSL via EB7DX.
- ⇒ **MOUNT ATHOS, SV/A**. Monk Apollo, SV2ASP/A has been QRV using RTTY on 20 meters between 1845 and 2030z. QSL direct.
- ⇒ **NEW DXCC COUNTRY**. The Republic of South Sudan is now a member of the United Nations and is a new DXCC entity. The DXCC Desk will begin immediately accepting QSOs for this new entity, with a start date of July 14, 2011. As of July 14, 2011, the International Telecommunication Union has not announced a prefix block for the Republic of South Sudan.
- ⇒ **BARBADOS, 8P**. Carsten, DF1XC will be QRV as 8P9XC from Saint Philip, IOTA NA-021, from July 23 to August 14. Activity is holiday style on all HF bands using mostly CW. QSL to home call.
- ⇒ **ASCENSION ISLAND, ZD8**. A group of operators will be QRV as ZD8D from July 24 to August 9. Activity will be on 160 to 6 meters using mainly CW and RTTY, with some SSB, with two stations active around the clock. This includes an entry in the upcoming RSGB IOTA contest. QSL via DL9HO.
- ⇒ **DXCC COUNTRY/ENTITY REPORT**. According to the AR-Cluster Network for the week of Saturday, 23rd-July, through Friday, 29-July there were 218 countries active. Countries available: 3A, 3B8, 3D2, 3V, 3W, 4J, 4L, 4O, 4S, 4X, 5B, 5H, 5R, 5T, 5U, 5X, 5Z, 6W, 6Y, 7Q, 7X, 8P, 8Q, 8R, 9A, 9G, 9H, 9J, 9K, 9L, 9M2, 9M6, 9N, 9Q, 9V, 9Y, A3, A4, A6, A7, A9, AP, BV, BY, C2, C3, C6, C9, CE, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, DL, DU, E5/s, E7, EA, EA6, EA8, EA9, EI, EK, EP, ER, ES, ET, EU, EX, EY, EZ, F, FG, FK, FM, FO, FP, FR, FY, G, GD, GI, GJ, GM, GU, GW, HA, HB, HB0, HC, HH, HI, HK, HL, HP, HR, HS, HV, HZ, I, IS, J3, J6, J7, JA, JD/o, JT, JY, K, KH0, KH2, KH4, KH6, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OH0, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PJ7, PY, PYOF, PZ, R1FJ, S2, S5, S7, SM, SP, ST, ST0, SU, SV/a, SV5, SV9, T32, T5, T7, T8, TA, TF, TG, TI, TJ, TK, TL, TR, TV, UA, UA2, UA9, UK, UN, UR, V2, V3, V4, V5, V6, V8, VE, VK, VK9L, VP8, VP9, VQ9, VR, VU, XE, XT, XX9, YA, YB, YI, YJ, YL, YN, YO, YS, YU, YV, Z2, Z3, ZA, ZB, ZC4, ZD7, ZD8, ZD9, ZF, ZL, ZP, ZS
- ⇒ **BALEARIC ISLANDS, EA6**. Jordi, EA3PT, will be active as EA6/EASPT from Menorca Island (EU-004) between August 8-21st. Activity will be holiday style on 40/20/17/15/12/10 meters SSB only. QSL via LoTW or to his home callsign.

## CQ MAGAZINE PRESS RELEASE: SOUTH SUDAN ADDED TO CQ DX COUNTRIES LIST

For more information, contact:  
Rich Moseson, W2VU, Editor  
516-681-2922 / <[w2vu@cq-amateur-radio.com](mailto:w2vu@cq-amateur-radio.com)>

(Hicksville, NY July 14, 2011) - The Republic of South Sudan is the newest addition to the CQ DX Award Countries List, CQ DX Awards Manager Billy Williams, N4UF, announced today. It is #342 (Editor's note: CQ counts Kosovo). Verifications confirming contacts after July 14, 2011 (the date of its admission to the United Nations) are acceptable for credit. No award credit is available for southern Sudan contacts made during the 1980s and 90s.

The new addition will be reflected in CQ DX Honor Roll totals to be compiled near the end of September. The July listings will not include the new addition and will be based on 341 active countries. (See paragraphs 21 through 24 on the CQ DX web page <<http://home.earthlink.net/~bfwillia/page3.html>>. Note in paragraph 24 that "the Award Manager will allow at least 30 days between the date of his announcement and any Honor Roll revisions that reflect the new maximum count.")

## Coming soon to a radio near you: Lots of feverish activity to AND from South Sudan. ITU prefix to be announced.

Verifications may be checked by a CQ Checkpoint or sent to the Award Manager. Include return postage or SASE with updates if you send cards or desire a reply. Updates are accepted only via postal mail.

The CQ DX Award Countries List contains 342 entities including Kosova. Endorsement stickers for 340 are not yet available. When stickers are available, an announcement will be posted on the CQ DX web page (see URL above). As of this time, the International Telecommunication Union has not yet issued a callsign prefix block for South Sudan.

For purposes of the CQ DX Field Award, most of South Sudan is in field KJ; small northern portions (above 10 degrees north latitude) are in field KK. More information on the CQ DX Field Award is available at:

<[http://www.cq-amateur-radio.com/cq\\_awards/cq\\_dx\\_awards/cq\\_dx\\_field\\_award/cq\\_dx\\_field\\_award.html](http://www.cq-amateur-radio.com/cq_awards/cq_dx_awards/cq_dx_field_award/cq_dx_field_award.html)>  
and:  
<[http://home.earthlink.net/~bfwillia/gridfield.html#CQ\\_DX\\_FIELD\\_AWARD\\_RULES](http://home.earthlink.net/~bfwillia/gridfield.html#CQ_DX_FIELD_AWARD_RULES)>.

In addition, South Sudan will count as a country (entity) multiplier for the CQ DX Marathon, the CQ World Wide DX Contest and any other CQ contests that use country multipliers.

- ⇒ **DJIBOUTI, J2**. Jacob, KB0ZIA is QRV as J28FJ. Activity is on the HF bands. QSL to home call.
- ⇒ **MINAMI TORISHIMA, JD1**. Take, JG8NQJ is QRV as JG8NQJ/JD1 from Marcus Island, IOTA OC-073, until mid-October. Activity is currently on 30 and 17 meters. QSL to home call.
- ⇒ **AMERICAN SAMOA, KH8**. Ron, WA8LOW will be QRV as WA8LOW/KH8 from Tutuila, IOTA OC-045, from July 30 to August 14. Activity will be on 160 to 6 meters using CW, SSB, RTTY and PSK. QSL direct to home call.
- ⇒ **LESOTHO, 7P8**. Arnold, WB6OJB, will once again be active as 7P8JK from here between September 15-22nd. Activity last time was on the HF bands, 40-10 meters using mostly SSB with some CW. QSL direct to his home callsign.
- ⇒ **MALTA, 9H**. Jasper, PB2JJ, will be active as 9H3JN from Malta between September 2-14th. Activity will be on 80-10 meters, mostly CW and some SSB also. QSL via his home callsign.
- ⇒ **OPERATION APPROVED FOR DXCC CREDIT**. ST0R, South Sudan, current operation. Approved on August 5th.

(MORE DX NEWS CAN BE SEEN ON PAGE 12)





The various organizations that assist the National Hurricane Center (NHC) in Miami are gearing up for what forecasters are predicting to be a very active storm season. One organization that assists the NHC is the Hurricane Watch Net (HWN). One of the functions of HWN is to provide on-the-ground, real-time weather data to the forecasters at the NHC. The HWN gets this weather

data from Amateur Radio operators who volunteer their time to monitor data from their calibrated home weather stations and report that data to the HWN. To better assist the NHC, HWN Manager Kirk Harding, K6KAR, told the ARRL that the HWN is looking for new members.

"The Hurricane Watch Net relies on volunteer operators -- our members -- who serve as our net control stations," Harding said. "HWN members are hams who have above-average stations, are capable of effectively conducting HF net operations and are willing to commit their time to operating in support of the HWN's mission during Net activations." The HWN net operates on 14.325 MHz, so prospective members must be able to legally transmit on that frequency to participate.

## The National Hurricane Center is looking for a few good men. Or women.

Harding said that the HWN is looking for new members with stations that can effectively communicate with Central America and the Caribbean, Mexico and South Texas on the 20 meter band. "As we head into the 2011 hurricane season, we're looking for qualified amateurs who are located anywhere within North America or the Caribbean," he said. "We are also looking for bilingual hams. We recognize that some Latin American operators hesitate to check in and send reports to us if they aren't fluent in English, so we're also interested in hearing from hams who are fluent in both Spanish and English. When we're working storms that are either affecting or threatening areas where Spanish is the language of choice, we always try to have one or more bilingual HWN members on hand to help with reporting."

Harding explained that the Hurricane Watch Net is generally activated when a named Atlantic basin storm is within 300 miles of landfall. Hurricane season in the Atlantic Ocean runs from June 1-November 30, peaking from late August through September; the Pacific Ocean season runs from May 15-November 30. Of course, hurricanes may occur at any time of the year. National Weather Service's Climate Prediction Center predicts that the 2011 hurricane season will see above-average activity with 12-18 named storms, with 6-10 of those storms becoming hurricanes. Of these storms, three to six could develop into major hurricanes (Category 3, 4 or 5). The National Oceanic and Atmospheric Administration (NOAA) defines a normal hurricane season as having 11 named storms -- including six hurricanes -- with two becoming major hurricanes.

If you are interested in becoming a member of the Hurricane Watch Net, please visit the HWN website at <http://www.hwn.org> for further information.



## The Ed. sez.....

Well, here it is, the middle of July, as I write this. It's hazy, hot & humid outside, & the bands are kinda sucky, but we certainly aren't going into an inactive state because of it. We still have some good hamfests left to attend, PLUS we have CornRoast v2011 coming up at the end of the month. (See page 8 for all the upcoming hamfest info.) Not only that, but there are some good contests coming up too. Whether you're an HF contester, or you prefer the VHF/UHF bands, you'll be happy to know there is something brewing in either August OR September to satisfy your contesting appetite.

For you HF enthusiasts, we have the Worked All Europe SSB the weekend of September 10-11, and for you VHF/UHF'ers, we have the ARRL VHF QSO Party the same weekend. (If you haven't had the opportunity to check out the newly-remodeled VHF Studio; whaddaya waitin' fer?) So, if you get tired of one contest, you can work the other! Add to that the mix of state QSO parties, and you'll have plenty of opportunity to get some quality stick-time behind the microphone!

## This month is brought to you by the letter 'C', as in 'contests', 'CornRoast', and new format 'calendars'.

Read the following sentence with the theme to "2001: A Space Odyssey" playing in your head. Ready? 3-2-1, READ!

It gives me great pride AND pleasure to announce the coming of CornRoast v2011 to a clubhouse near you! All members and their families are welcome to attend this stellar event!

August 28 is our date, and the Officer Corps and I hope you'll be able to attend our soiree! Feel free to bring your favorite dish. Bring the wife and kids along too, for some quality family time! Or, leave 'em at home for some quality quiet time for yourself. (HAH!) We expect things to kick off early in the afternoon, around 1-ish, so you'd better mark your calendar and BE THERE! Yeah, yeah, we know, we know, "But SkyView is havin' their hamfest that day." Well, we figger you can do the hamfest in the morning and then come up the hill and refresh yourself with fine food & drink & more camaraderie with your fellow amateurs in the afternoon.

Starting with this issue, I've decided to make some changes to the monthly calendars I always place at the end of the newsletter. I've moved all of the local meetings & nets off of the calendars and placed them on pages 8 & 9. This/that way I can put more contests and hamfests on the calendar itself. I've also changed the format of the calendars, so lemme know what you think. YES, YOUR OPINION DOES COUNT! If enuff of yez don't like it, I'll change it back. My intent is to cut down on the page count, but still keep the newsletter useful & informative.

I'm also gonna start sticking a membership application at the back of the newsletter, starting with this issue. Me and the Ossifers figger it'll give more visibility to it. So, if you're reading this & you ain't a club member & you wanna be, fill it out & send it in! (Or is it 'fill it in & send it out'.....DOH!)

Don't forget about my usual plea for articles and pictures for the newsletter. I need your help to keep this monthly fish-wrapper from becoming stale. E-Mail me your stuff: [KQ3DX@hotmail.com](mailto:KQ3DX@hotmail.com). BTW: We had some issues last month with the reflector. Some members did not receive the newsletter via E-Mail. IF YOU DID NOT, PLEASE LEMME KNOW! All seems to working AOK now, though. Thank you, W3WTW!

That's it for my monthly dose of boring bull\$#%\*. Thanks for reading along! CU on the hill for CornRoast v2011! (And maybe some meetings/socials too?) This is NB3C, signing clear. 73!





## &gt;&gt;Local events needing our support&lt;&lt;

- ⇒ Westmoreland County Airshow, August 20-21. See **page 9** for all the poop on this detail.
  - ⇒ Skyview HamFest, August 28. ARRL W. Pa. Section convention @ the clubhouse grounds. <[www.skyviewradio.net](http://www.skyviewradio.net)> SEE THE FLYER ON **PAGE 17**.
  - ⇒ Uniontown ARC GabFest, September 3rd, @ the Uniontown ARC clubhouse grounds. <[www.w3pie.org](http://www.w3pie.org)>
  - ⇒ Butler County ARC HamFest, September 11 @Unionville Fire Hall on Route 8 north of Butler. <[www.w3udx.org](http://www.w3udx.org)>
  - ⇒ Monessen Amateur Radio Club HamFest, October 9. Rostraver Central Volunteer Fire Hall. <<http://w3csl.org/>>
  - ⇒ WACOM HamFest, November 6. Washington County Fairgrounds, 2151 North Main St. Washington, PA. <[www.wacomarc.org](http://www.wacomarc.org)>
- I'll confirm dates as we get closer to each event. Send any corrections & additions you know of to me: <[KQ3DX@hotmail.com](mailto:KQ3DX@hotmail.com)>

## &gt;&gt;Local repeating events&lt;&lt;

I've decided to move the local repeating events off of the monthly calendars to make room for more contests and hamfests. So, here is a list of local nets & club meetings and the day of the month they meet, along with other pertinent info.

**NETS: (Set your 2M FM tone to 131.8 for all except QCWA which is 123.0.)**

Breezeshooters net: 28480KHz every Monday night @9:00PM local.

**Allegheny County ARES net: 147.090Mhz (+600KHz offset) every Wednesday night @ 9:00PM local. The back-up machine is the 146.730Mhz (-600KHz offset) repeater.**

WACOM 2M Net: 145.490Mhz (-600KHz offset) every Tuesday @8:30PM local.

**WACOM 10M net: 28340KHz every Tuesday @9:00PM local.**

WACOM YL Net: 146.790Mhz (-600KHz offset) every Wednesday @7:30PM local.

**WACOM Elmer net: 146.790Mhz (-600KHz offset) every Wednesday @8:00PM local.**

WASH 2M net: 146.955Mhz (-600KHz offset) every Sunday night @9:00PM local.

(SUSPENDED THRU LABOR DAY WEEKEND 2011.)

**NHARC net: 147.090Mhz (+600KHz offset) every Tuesday night @8:30PM local.**

QCWA Chapter 6: 147.030 (+600KHz offset) every Sunday morning @8:30AM local.

**Beaver County Public Service Net: 146.850Mhz (-600KHz offset, tone 88.5) every Monday night @8:30PM local.**

**LOCAL CLUB MEETINGS:**

**SCARC: The third Tuesday of the month, 8:00PM @ the clubhouse.**

**SCARC Social night: Every Wednesday, except the week of the business meeting, 7:00PM or so @ the clubhouse.**

**WASH: The second Thursday of every month, 7:00PM @ the North Strabane Township Municipal building, PA. Route 519, Canonsburg.**

**WACOM: The first Thursday of every month, 7:30PM @ the Washington County Building, Room 103, 100 West Beau Street, Washington, PA. 15301.**

**GPVHF Society: The first Monday of every month, 7:00PM @ the Salvation Army Disaster Services HQ, 820-825 Parish Street, Pittsburgh, PA. 15220.**

**North Hills ARC: The second Wednesday of every month, 7:00PM @ the Parkwood United Presbyterian Church, 4289 Mt. Royal Blvd., Allison Park, PA. 15101. (NEW LOCATION.)**

**Skyview: The first Tuesday of every month, 7:30PM @ the clubhouse, 2335 Turkey Ridge Road, New Kensington, PA. 15068.**

**Beaver Valley ARA: The second Thursday of every month, 6:30PM @ the Beaver County Emergency Operations Center, 351 14th Street, Ambridge, PA. 15003.**

**MISCELLANEOUS:**

**WASH breakfast: Last Saturday of every month, 8:00AM @ the Beach House, 6285 PA. Route 88, Finleyville, PA. 15332 (South of Trax Farms.)**

**Beaver Valley ARA breakfast: Every Thursday, 10:30AM @ Rainaldi's Restaurant, 210 Fairview Drive, Center Township, PA. 15061. (724-774-1877)**

Send any additions/corrections you know of to me: <[KQ3DX@hotmail.com](mailto:KQ3DX@hotmail.com)>. (FOR A LIST OF NORTH HILLS ARC-SPONSORED NETS, SEE **PAGE 9**.)

|        |         |
|--------|---------|
| AA3EE  | DAVE    |
| AB3KD  | JAY     |
| AD3Q   | BOB     |
| AE3JM  | JASON   |
| AI3J   | MARK    |
| AK3J   | STEVE   |
| DC3RJ  | JUERGEN |
| K3GJS  | HARRY   |
| K3JHT  | JOHN    |
| K3LAB  | DOUG    |
| K3RYA  | BILL    |
| KA3JKS | SUE     |
| KA3LIW | DEAN    |
| KA3MSE | LLOYD   |
| KA3MXQ | ALAN    |
| KA3YNO | WALT    |
| KB3CWE | GARY    |
| KB3GMN | CAROL   |
| KB3LY  | ELLIOT  |
| KB3NZX | BOB     |
| KB3OR0 | JOYCE   |
| KB3PNE | COLIN   |
| KB3RUK | JIM     |
| KB3SVF | GARY    |
| KB3VHT | JOHN    |
| KJ3D   | JIM     |
| KT3L   | DOC     |
| N3DQ   | DELLA   |
| N3DXE  | BILL    |
| N3EKL  | JOHN    |
| N3EQP  | JOHN    |
| N3EVM  | BOB     |
| N3GHI  | BRUCE   |
| N3GHO  | GLORIA  |
| N3SAF  | LEE     |
| N3SBF  | RITCHIE |
| N3UJZ  | CHUCK   |
| N3VEF  | BILLY   |
| NB3C   | GREG    |
| NU3Q   | BOB     |
| NU3S   | AL      |
| W3BC   | JOE     |
| W3CRO  | MIKE    |
| W3HH   | DOUG    |
| W3JQJ  | MATT    |
| W3LA   | LEN     |
| W3MAC  | MAC     |
| W3MHY  | STAN    |
| W3SVJ  | NATE    |
| W3WTW  | TIM     |
| W6LAC  | BOB     |
| WA3BKD | ART     |
| WA3FWA | JOE     |
| WA3PYU | MIKE    |
| WA3RVD | MEL     |
| WA3TTS | MIKE    |
| WA3VXJ | KARL    |
| WA3YCU | BOB     |
| WA8NLX | RICK    |
| WB3AGB | JOE     |
| WB3CRC | DALE    |
| WB3HDI | BOB     |
| WQ3T   | DAVID   |

SCARC Roster (as of July 2011)

Mike, WA3TTS is currently accepting E-Mail requests for his 1296MHz beacon.

If you're interested in listening for it, send Mike an E-Mail with your grid square locator:

<[WA3TTS@verizon.net](mailto:WA3TTS@verizon.net)>





## NHARC-sponsored nets:

- **Sundays at 7:30 p.m.** - 147.090 - South-1 Dist. ARES Net
- **Sundays at 8:30 p.m.** - 146.880 - NHARC Club Teen (Under 21) Net (Contact: Local EC)
- **Sundays at 9 p.m.** - 147.090 - Pittsburgh Area Scanners Net (Contact: WA3FKG)
- **Wednesdays at 9 p.m.** - 147.090 - Allegheny County Public Service Net (Contact: N3RDV)
- **Thursdays at 7 p.m.** - 146.880 - Scout Net (Contact: N3ZX)
- **Thursdays at 8:30 p.m.** - 50.50MHz - 6 Meter Net
- **Thursdays at 9:30 p.m.** - 146.880 - Rail Fan Net (Contact: KB3HPC)
- **Saturdays at 9 p.m.** - 146.880 - NHARC Elmer Net (Contact: N3BPB)
- **Every Day at 8 p.m.** - 146.880 - Western PA 2m Traffic Net (Contact KA3BGC)
- **1st & 3rd Wednesday of every month at 8:30 p.m.** - 147.090 - Allegheny County Skywarn Net



Amateur Radio at.....the Zoo?? Yeah that's right. Sharp-eyed Bob, NU3Q snapped this at the Erie Zoo, of all places. I believe that's an old Hallicrafters SX-25 Super Defiant receiver there, pre-WWII. So the next time you're in the Erie area and have time, stop in and see it. (Picture courtesy and ©2011, NU3Q.)

## Propagation Report

Solar activity increased markedly this week, with the sunspot number rising to 130 on Monday, August 1, the highest since a reading of 131 on April 14, 2011. Average daily sunspot number more than doubled this week compared to last, rising nearly 54 points to 99.3.

The latest forecast on Thursday night has planetary A index for August 5-9 at 50, 30, 20, 15, and 10, then 8 on August 10-12, then 5, 8, 10, 15, 12, 10 and 8 on August 13-19. Solar flux predicted for August 5 is 115, 110 on August 6-7, 100 and 95 on August 8-9, then 85 on August 10-12, then 100 on August 13-16.

The planetary A index at 50 is quite high.

Geophysical Institute Prague predicts active conditions on August 5-7, unsettled to active August 8, quiet to unsettled August 9, and quiet conditions August 10-11.

As geomagnetic conditions change over the next few days, you can check <http://www.swpc.noaa.gov/ftpd/indices/DGD.txt> for the planetary K index, updated every three hours. You can also check out <http://www.swpc.noaa.gov/ftpmenu/forecasts/45DF.html> every day after 2100z for an updated daily forecast of solar flux and planetary A index.

For more information concerning radio propagation, see the ARRL Technical Information Service at <http://arrl.org/propagation-of-rf-signals>. For an explanation of the numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>.

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

Sunspot numbers for July 28 through August 3 were 84, 88, 101, 128, 130, 98, and 66, with a mean of 99.3. 10.7 cm flux was 107.3, 111.7, 112.7, 118.6, 124.9, 121.6, and 119.9, with a mean of 116.7. Estimated planetary A indices were 3, 5, 16, 8, 9, 3, and 3, with a mean of 6.7. Estimated mid-latitude A indices were 3, 3, 10, 7, 6, 3, and 3, with a mean of 5.

## Public Service: Ops needed for Westmoreland County airshow

Ham operators are needed for assistance at the Westmoreland County Airshow going on at the Arnold Palmer Regional Airport in Latrobe on August 20th and 21st, 2011.

We will need somewhere on the order of 40 operators PER DAY for this event.

Please pass the word around!

Any and all hams are invited and are welcome to participate.

**Like the Pittsburgh Vintage Grand Prix, a good way to tweak your radio skills and have fun at the same time!**

There will be a myriad of assignments needed from shadows to stationary positions, and both inside and outside assignments. If you can work either or both days it would help. Let us know what equipment you have and especially if any special needs need accommodated such as a stationary assignment or one sitting down, etc.

A registration page to register over the web is now available at:

<http://www.rbhoffman.com/airshow/>.

You can also contact myself or Doc Sam at:

[docsam33@gmail.com](mailto:docsam33@gmail.com) to register.

73, Chuck Mills W3YNI





## ARRL Soliciting Stations to Become Emergency Liaison Stations (from pg. 5)

The need to build out the capability to link HF stations to EchoLink was clear and Woolweaver began to enlist other stations in Texas to develop it. But according to ARRL Emergency Preparedness Manager Mike Corey, W5MPC, it has been an ad hoc effort with known stations with no official standing for emergency communications with the ARRL. Additionally, while a regional capability was developed in a part of Texas, the ARRL needed to have this capability throughout the rest of the country.

The concept of the *Emergency Radio Internet Linking System* (ERILS) was crafted to meet this need, with ERILS stations operating under the ARRL Emergency Preparedness Program. Stations would be designated Official ERILS Stations after meeting specific criteria that would enable them to blend the capabilities of radio and the Internet, permitting emergency communications and a W1AW presence to occur. Stations would be geographically diverse, providing redundant pathways into multiple areas of the United States. While EchoLink was used successfully in 2008, other current and future software platforms could be used with traditional RF capabilities to meet the mission needs.

"Individual stations are the key component of ERILS," Corey explained. "These stations require a particular designation for planning and response purposes, and as recognition of the station owner's resources and commitment. These stations are designated as an *Emergency Liaison Station*. An ELS is not an Official Emergency Station (OES) that is part of the ARES program, but is a separate resource available to the Emergency Preparedness Manager, or designees, and the ARRL Leadership." To find out more, including information on your station can be part of the ELS program, click on this link:

<http://www.arrl.org/news/arrl-soliciting-stations-to-become-emergency-liaison-stations>.

## ARRL Asks FCC to Keep 2300 MHz Proceeding Open

In June, the FCC released a Public Notice that sought comments on whether or not it should terminate approximately 800 docketed proceedings in the Wireless Telecommunications Bureau (WTB), the International Bureau (IB), the Office of Engineering and Technology (OET) and the Enforcement Bureau (EB). Some of the proceedings set for possible termination affect the Amateur Radio Service. On July 20, the ARRL filed comments with the FCC on this matter, explaining that it has no objection to the termination of the proceedings in the Public Notice, save for one item. "With respect to the Office of Engineering and Technology dockets slated for termination," the ARRL stated in its comments, "there is one Amateur Radio-related proceeding that, in the ARRL's view,

should not be terminated, but retained in open status.

Earlier this year, the FCC adopted procedural rules specifying that proceedings where pending petitions addressing the merits should not be terminated without the consent of the parties involved. "With this in mind, the ARRL does not consent to the termination of the proceeding initiated by its May 2001 rulemaking petition RM-10165, Amendment of Parts 2 and 97 of the Commission's Rules Regarding the 2300-2305 MHz Band," the League stated in its comments. In this Petition, the ARRL requested that the FCC change the Amateur Radio Service's allocation in that band from Secondary to Primary.

The ARRL's Petition was filed May 7, 2001 and it was placed on Public Notice on July 2, 2001. In October 2002, the OET issued an Order dismissing this and two other petitions pertaining to the 2300-2305 MHz band. The ARRL noted in its comments that "that Order did not finally resolve the issue of the allocation status of the Amateur Service in the 2300-2305 MHz

## The ARRL proposes to change the existing 2300MHz allocation from secondary to primary.

band, or the ARRL's request for a Primary allocation. Rather, the Commission merely postponed a decision with respect to the allocation status of that band until some unspecified future time."

The Commission stated in its October 2002 Order that as it was dismissing the Petitions for Rulemaking from Microtrax and AeroAstro for access to this spectrum, "amateur operators' weak signal communications in the 2300-2305 MHz band will be protected if the amateur allocation remains secondary. This band will remain in the Commission's reserve, and the status quo in the band will be maintained until the Commission reevaluates the spectrum reserve at some future date. At that time the Commission can address any modifications to the allocation status for the amateur service that may be appropriate. Accordingly, we are also dismissing the ARRL Petition for a primary allocation to the amateur service in the 2300-2305 MHz band."

According to the ARRL, the status of the Amateur Radio allocation at 2300-2305 MHz is of current relevance because of actions taken by the Commission with respect to an adjacent band at 2305-2320 MHz and because of other unrelated proposals for the use of the 2300-2305 MHz band. "In a Report and Order and Second Report and Order, the FCC amended certain technical rules governing the Wireless Communications Service (WCS) in the

2305-2320 MHz band, so as to delete the effective limitations on WCS terrestrial operations to fixed services and to enable licensees to provide mobile broadband services in 25 megahertz of the WCS band, the ARRL said in its comments. "In so doing, the Commission indicated that out-of-band emissions from WCS, when expanded to permit mobile broadband and portable devices at up to 250 mW EIRP, will have an effect on amateur operations in the 2300-2305 MHz band."

The FCC, in the Report and Order and Second Report and Order, explained that "we note that some amateur stations operating around 2304 MHz may experience an increased antenna noise temperature caused by the implementation of mobile WCS operations, and will have to tolerate this change in the RF environment. Due to the technical flexibility allowed to amateur stations in Part 97 of our rules, however, we believe that operators of these stations may be able to offset or mitigate the effects of this change by relocating or redirecting their antennas, or by making other permitted technical adjustments."

The ARRL explained that this conclusion -- and the issue of interference to Amateur Radio operation at 2300-2305 MHz -- has been challenged by ARRL in a pending Petition for Clarification or Partial Reconsideration filed September 1, 2010. "The International Radio Regulations and Section 2.102(f) of the Commission's rules make no distinction between secondary and primary services in their entitlement to protection from out-of-band and spurious emissions from a service operating in an adjacent band," the ARRL stated. "Secondary services are entitled to such protection irrespective of the allocation status of the source of the interference in the adjacent band. Furthermore, in the currently open ET Docket 08-59, some comments counterproposed the use of the 2300-2305 MHz band for Medical Body Area Networks in lieu of the 2360-2400 MHz band."

Due to the current relevance of the allocation status (and interference protection status) of the Amateur Service at 2300-2305 MHz, and considering that in October 2002, the FCC did not make any decision with respect to the allocation status of that band and postponed it to some unspecified future time, the ARRL maintains that "the RM-10165 proceeding should remain open and pending, and that the Commission should revisit the allocation status of the Amateur Radio Service at 2300-2305 MHz, and the ARRL's justifications offered for a change from Secondary to Primary status in that band now."

(MORE NATIONAL NEWS BRIEFS CAN BE SEEN ON PAGE 12.)





| CALL      | MANAGER | CALL       | MANAGER | CALL      | MANAGER |
|-----------|---------|------------|---------|-----------|---------|
| 3A2MG     | F9JS    | EK3SA      | DJ1CW   | OL20DN    | OK1DNT  |
| 3A5DG     | 3A2LS   | EK6LP      | RN4LP   | OM55TV    | OM3MB   |
| 3D2ML     | RW6AML  | EM7KAA/P   | IK2DUW  | ON30NOL   | ON5LL   |
| 4F9HXB    | DL5SDF  | E050QN     | UT7UJ   | OZ1HQ     | OZ1ACB  |
| 4M200AJ   | YV5AJ   | ES0/OH7TT  | RD1AR   | P29FR     | I2RFJ   |
| 4T100MP   | OA40    | ES9EFF     | ES4RX   | P33W      | UA3DX   |
| 5B4AJC    | UA3DX   | EX9T       | EX8MLE  | PA/ON4IPA | ON6ZV   |
| 5C12M     | EA7FTR  | F08RZ      | F8BPN   | PI9SR5    | PD9RAY  |
| 5H3EE     | DL4ME   | FP/VA2WA   | VA2WDQ  | PJ4C      | N5WR    |
| 5W1SA     | JA1DXA  | GB1HI      | M00X0   | PR2B      | PY2BW   |
| 7Q7MH     | G0IAS   | GR2HQ      | M00X0   | PS2T      | K3IRV   |
| 7Z1SJ     | EA7FTR  | GX4HRC/A   | G3SVK   | PT155FD   | PS7AB   |
| 9A0HQ     | 9A3JB   | HB9HQ      | HB9JOE  | PV2P      | PY2DY   |
| 9A25TA    | 9A3TA   | HC1HC      | NE8Z    | PY0FO     | PY2FN   |
| 9J2B0     | G3TEV   | HC2SL      | EA5KB   | R70BP     | UA3YY   |
| 9J2KK     | JK1NSR  | HD2A       | EA5KB   | RI1FJ     | UA2FM   |
| 9J2RI     | ZS6RI   | HF1K       | SP1KIZ  | S21RC     | EB7DX   |
| 9K2GS     | EA5KB   | HG0HQ      | HA8IB   | SF2X/p    | SM5EFX  |
| 9V1YC     | W5UE    | HG8DX      | HA8FT   | SF3U      | SM3DMP  |
| A61ZX     | IZ8CLM  | HK1NA      | EA5KB   | SK9HQ     | SM6JSM  |
| A65CA     | RV6AJJ  | HS0AC      | HS0ZFZ  | SN0HQ     | SP7DQR  |
| A65CF     | EA7FTR  | II5VVF     | IZ5RHU  | ST0A      | ST2M    |
| AG2CW/KH2 | 7M2GCW  | II9K       | IT9HBT  | ST2AR     | S53R    |
| AL1G      | AC7DX   | IL3A       | IK3HHX  | TC3HQ     | TA3HM   |
| AY5F      | LU5FC   | IR1ITA     | IK1SPR  | TC650KOW  | TA1CM   |
| B3HQ      | BA4EG   | IR9WFF     | IW3RUA  | TF4X      | G3SWH   |
| B4HQ      | BA4EG   | J79XB      | VE2XB   | TJ3AY     | F5LGE   |
| B5HQ      | BA4EG   | JT0YAB     | DK1MAX  | TM0HQ     | F8CRH   |
| B6HQ      | BA4EG   | JT0YPS     | UA9YPS  | TM190NB   | F4GFE   |
| B7HQ      | BA4EG   | JT1FDB     | DD0CW   | TM3FFI    | F8JZR   |
| BV0HQ     | BM2JCC  | JX50       | SQ8X    | TM7FDM    | F5MSS   |
| BV100ROC  | BM2JCC  | JY4CI      | K2AX    | TM89YON   | F5KCC   |
| BV20HQ    | BM2JCC  | K1HP       | JE2EHP  | TM90RCNF  | F8KKH   |
| BY1RX/4   | BA4TB   | KB70BU/KH2 | JA3VXH  | TM98TF    | F6KUF   |
| C21YY     | OH2YY   | KH4/W5FJG  | N7RO    | UP0L      | DL8KAC  |
| C49C      | 5B4KH   | KH6ZM      | I0MWI   | UP2L      | UA9AB   |
| C5YK      | ON7YK   | KH7X       | K2PF    | V44KAI    | W5TFW   |
| CE1TT     | EA6KB   | KL7DX      | AC7DX   | V47JA     | W5JON   |
| CE4CT     | EA5KB   | KP4ED      | EB7DX   | V84SHM    | V89FD   |
| CN3A      | I2WIJ   | KP4MS      | W4DN    | VK5WIA    | VK5CP   |
| C06CAC    | EA5KB   | LR5F       | LU4AA   | VP5CW     | W5CW    |
| C06RD     | 8P9NX   | LR5H       | LU4AA   | VQ9ZZ     | N1ZZZ   |
| C08LY     | EA7ADH  | LR6F       | LU4AA   | WH7Z      | W0CN    |
| CQ730     | CT1EHX  | LR6H       | LU4AA   | XP1A      | OZ1ACB  |
| CR6K      | CT1ILT  | LR7F       | LU4AA   | YR1C      | Y04NA   |
| CX1AA     | W3HNC   | LR7H       | LU4AA   | YV200ARV  | W4S0    |
| DA0HQ     | DL5AXX  | LS1D       | LW9EOC  | YW200A    | YV5SSF  |
| DX0HQ     | DX1PAR  | LX0HQ      | LX2A    | YW200L    | YV5LI   |
| E51USA    | E51CG   | LY0HQ      | LY80    | YW200T    | YV5JBI  |
| E716S     | E73ESP  | LY53SOP    | LY5W    | YW4D      | EA7JX   |
| E76BARDF  | E71E2C  | M0RSE      | G3SWH   | YW5LR     | DM4TI   |
| E77XZ     | DK6XZ   | MD9Y       | GD3YUM  | ZF1A      | K6AM    |
| E7HQ      | E77E    | NP2/N2TTA  | W3HNC   | ZF2AH     | W6VNR   |
| ED1R      | EA4RCH  | OD5PY      | KU9C    | ZF2EZ     | W5JAY   |
| ED5T      | EA5ELT  | OE1A       | OE3KAB  | ZF2G0     | K6G0    |
| EF8HQ     | EA4URE  | OG73X      | OH8L    | ZF2LL     | W6NN    |
| EG1ETG    | EA1AEU  | OH2FTX/p   | RV1AE   | ZF2UQ     | W5JAY   |
| EG7HBI    | EA7URS  | OH8WA/p    | RA1AGL  | ZL4IR     | W8WC    |
| EH7CC     | EA7NL   | OH8X       | OH2UA   | ZP9EH     | K5WW    |
| EI0HQ     | EI4BZ   | OL2011VP   | OK1DRQ  | ZW32MMDC  | PY2ZA   |

**9V1YC QSL STATUS/UPDATE.** QSL Manager Randy, W5UE, reports, "I received log updates from James for QSOs between 17 April and 22 July today. I am processing the back-log received since mid-April this weekend. Should be in the mail shortly. Sorry for the delay."

**QSL RECEIVED VIA LoTW:** 5X1VB, 5Z4/UA4WHX/A, 8P9NX, CR6K, HK1X, PJ4LS, PT7CB, PV8ADI, PY2WC and ZS8MI

**QSLs RECEIVED VIA MAIL:** 4A4A, 5Z4FM, 9L5MS, HZ1FI, LZ2WO, S21YZ, T6AF and TO2FH

5T0JL via ON8RA

9A/DH1NAX via DH1NAX

EG7FPR via EA7HFS

EN5R via UY2RA

HG0WFF via HA0HW

ID9/IK8YFU/P via IK8YFU

IL3A via IK3HHX

PC06M via PE1ITR

PJ7TM via K2GSJ

ST0R via EA5RM

TC2BK via TA7EB

TK11QRP via F8BBL



- ⇒ **9M4DXX** P.O. Box 125, General Post Office, 10710 Pulau Pinang, Malaysia
- ⇒ **DM4TI** Udo Soeldner, Grenzweg 10, 99610 Wundersleben, Germany
- ⇒ **OD5NH** Puzant Azirian, P.O. Box 80431, Bourj Hammoud, Beirut, Lebanon
- ⇒ **OH2YY** Pekka Ahlqvist, Vapaalanpolku 8 B, 01650 Vantaa, Finland
- ⇒ **PY2FN** Marcelo Motoyama, P.O. Box 53021, Sao Paulo - SP, 08220-971, Brazil
- ⇒ **RW6AML** Gura Dmitriy A., ul. Belorechenskaya 45/1 kv.85, Moscow, 109451, Russia
- ⇒ **SQ8X** Stanislaw Strzyzewski, P.O. Box 8, 38-600 Lesko, Poland
- ⇒ **TG9ANF** Francisco F. Vassaux N., P. O. Box 50-C, 01915 Guatemala, Guatemala
- ⇒ **V89FD** Fadhlina Bakar, 30 Jln Kecil Bangungg, Kg Tanjong Maya, Tutong TD1541, Brunei





## ARRL Official Observers Team with FCC to Solve Rogue Keyer Problem on 17 Meters

On July 15, Walt Bilous, K3DQB -- an Official Observer (OO) in ARRL's Eastern Pennsylvania Section -- notified ARRL Headquarters of a keyer continuously sending a series of dits on 18.0855 MHz. According to ARRL Field Regulatory Correspondent Chuck Skolaut, K0BOG, Bilous kept hearing the dits throughout the night.

Skolaut asked Bilous to alert other OOs to monitor the frequency, but the signal was proving hard to locate via direction finding due to changing propagation and fading conditions on the band. "We alerted OOs across the country to monitor and collect additional information for us including bearings and signal strength reports," Skolaut said. "We had a great response from quite a number of Official Observers." But the signal was still proving elusive, so Skolaut contacted the FCC for assistance.

## The ARRL OOs have had their hands full this month, resolving interference issues on both 17M and 60M.

"By Monday evening, July 18, the FCC indicated that the dits were originating in California, ruling out speculation that it might even be coming from outside the United States," Skolaut explained. "On Tuesday, we received word that the FCC had pinpointed the exact location of the dits. They visited the radio amateur's home, found the cause and the transmitter was immediately shut off." According to the FCC, an amateur in Northern California had unintentionally left his keyboard too close to his keyer paddle, and the paddle somehow got pushed against the keyboard, making it send continuous dits.

"We appreciate the efforts of all the involved Official Observers and the prompt follow up by the FCC in pinpointing the source of the transmissions and getting them stopped to prevent further interference on the band," Skolaut said. "Since signals on 17 meters may travel long distances, we received a number of reports from stations overseas who supplied signal strength reports along with bearings. This incident prompts a very important reminder to all amateurs to always be vigilant when operating and if leaving your operating position, to turn off or secure your transmitters to avoid situations like this from happening."

## ARRL OOs, Researchers Resolve 60 Meter Interference

Collaboration between ARRL Official Observers and researchers at Rutgers University has resulted in a change of operating frequency of coastal HF radars, eliminating interference to amateur stations using two frequencies in the 60 meter (5 MHz) band.

In July 2003, radio amateurs in the US received secondary privileges on 60 meters. Its strict guidelines -- no CW, operation just on five distinct channels using USB, a maximum effective radiated power of 50 W and only open to General, Advanced and Amateur Extra class licensees -- have prevented it from being popular. At first, amateurs interested in operating on 60 meters had to make modifications to the radios in use at the time. But now, more rigs are available that are designed to operate on 60 meters directly, or with a simple manipulation of menus.

Over time, radio amateurs heard various signals on the channels; users assumed these signals were those of government users and protected as such. Normally, advice to amateurs is to "use it or lose it" in regard to band usage, but on 60 meters, the watchword seemed to be "misuse" the band and lose it. So amateurs were cautious and compliant and when the band was made available to radio amateurs, users reported that everyone on the band was friendly and courteous, with at least one amateur reporting "that it was the way all the other bands used to be."

But recently, with more users and people monitoring and using the band, amateurs began hearing more Coastal Ocean Dynamics Applications Radar (CODAR) signals on the channels. (CONTINUED ON PAGE 14)

## DX news (from page 6)

⇒ **MALPELO ISLAND, HK0/M.** According to the HK0NA Web page three new members have been added to the DXpedition, and the team is now complete. The "Colombian Flora and Fauna" has approved the increase to 15 operators. The three new members are John/VE7CT, Manu/LU9ESD and Jerry/WB9Z, and they will join the team of Jorge/HK1R (Team Leader), Jahm/HK1T, Pedro/HK1X, Franz/DJ8ZB, Bolmar/ HK1MW, Jaime/HK1N, Alexis/YV5SSB/6, Olli/OH0XX, Pedro/HK3JH, Gregg/W6IZT, Dr. San/K5YY and Bob/K4UEE. Also approved this week is the start date of the DXpedition to begin on January 22nd, 2012, unless something extraordinary happens, as well as a list of equipment and all activities that will be realized on the island by the DXpedition team. During the second week of August (2011), there will be a final meeting between the "Colombian Flora and Fauna", Fundacion Malpelo, SEA WOLF vessel and the "DXColombia Amateur Radio Club" (DXARC) to workout the final details. They hope that they will have the written permit at the end of August or beginning of September. Also mentioned on the Webpage is that ELECRAFT Radios is a new sponsor for their DXpedition. For more details and updates, visit the HK0NA Web page:

<<http://hk0na.wordpress.com>>

⇒ **GUERNSEY, MU.** Members of the Dutch Contest and Expedition team (PA6Z) will be active as MU/PA9M from Guernsey (EU-114) between October 23-30th. Activity will be on 160-6 meters using CW and SSB. Operators mentioned are Marcel/PA9M, Frank/PA4N, Jelmer/PA5R, Dervin/PD9DX, Arbo/ PH0AS, Arend/PA2AWU and Dick PA4VHF. QSL via PA9M, direct or by the Bureau. For more details and updates, go to:

<<http://www.pa6z.nl/guernsey2011>>

⇒ **ST. MAARTEN, PJ7.** Isao, JH1ROJ, will be active possibly as PJ7ROJ from Sint Maarten (NA-105) between August 18-25th. Activity will be on all HF bands using CW and SSB. He will use a FT-450 with a 500w amp into a HF6V and 2 element beam for the higher bands. QSL via his home call sign. Log will be uploaded to LoTW after the operation.

⇒ **AFGHANISTAN, T6.** Francesco, IZ8NWA, an Italian soldier stationed in southern Afghanistan until November 2011, is expected to be active as T6FR. Activity will be on 20/17/15/10 meters using SSB and PSK31. QSL via IZ8OJG only. Visit his Web page at:

<<http://iz8nwa.jimdo.com>>

⇒ **MALTA, 9H.** Walter, ON7PX is QRV as 9H3PW running QRP power until August 12. Activity is on 40 to 6 meters. QSL to home call.

⇒ **NEPAL, 9N.** Fernando, WP4FE is QRV as 9N1FE from Banepa while on work assignment in a mission hospital. He is active in his spare time, generally on 20 meters. QSL via operator's instructions.

⇒ **BOLIVIA, CP.** Rene, DF9GR is QRV as CP6/DF9GR until August 20. Activity is on 80 to 10 meters using CW, SSB, RTTY and PSK. QSL via bureau.

⇒ **MADEIRA ISLANDS, CT3.** John, IZ2DPX will be QRV as CT9/IZ2DPX from August 7 to 21. Activity will be on all HF bands, and possibly 6 meters. QSL to home call.

⇒ **BALEARIC ISLANDS, EA6.** Jordi, EA3PT will be QRV as EA6/EA3PT from Menorca, IOTA EU-004, from August 8 to 21. Activity is holiday style on 40 to 10 meters using SSB. He may be active mainly on 17 meters. QSL to home call.

⇒ **DENMARK, OZ.** Ric, DL2VFR will be QRV as OZ0FR/p from Aero, IOTA EU-172, from August 6 to 19. Activity is on the HF bands using mainly CW. He may also visit the Skjoldnes and Soby Havn Lighthouses for a few hours. QSL to home call. (CONTINUED ON PAGE 13)





After a delay of almost four hours, cosmonauts Sergei Volkov, RU3DIS, and Alexander Samokutyaev, successfully deployed Amateur Radio's newest satellite: ARISSat-1/KEDR. The deployment -- originally scheduled to occur at 1457 UTC on Wednesday, August 3 -- was delayed due to antenna concerns.

According to US Mission Control in Houston, ARISSat-1 was supposed to have two antennas -- one 70 cm antenna and one 2 meter antenna -- but Volkov and Samokutyaev expressed concern when they saw only one antenna. After discussions between the cosmonauts, the payload manager and the ground teams in Houston and Moscow, it was decided to delay the deployment. At the time, it was uncertain if the satellite would even be deployed during this spacewalk. If ARISSat-1 was not deployed during today's spacewalk, the next opportunity for its deployment would be February 2012. "Instead of taking chances on the satellite not working properly once deployed, it has been decided to secure it for the time being," US Mission Control reported when the decision to delay was made.

## ARISSat-1 has been successfully deployed. Amateurs already report being able to hear the transponder.

After much consultation, Mission Control in Moscow told the cosmonauts that they were going to go ahead and deploy the satellite. At 1843 UTC, Volkov jettisoned ARISSat-1 from his position on the Pirs docking compartment on the ISS.

The loss of the UHF antenna means that the 435 MHz/145 MHz linear transponder may not be operational. According to US Mission Control, it can also mean that there may be loss in the data that can be downloaded from ARISSat-1, as well as a loss of control capability from the ground. Even so, radio amateurs will be able to copy voice, BPSK and SSTV messages.

According to ARISSat-1/KEDR Project Manager Gould Smith, WA4SXM, ARISSat-1 will be in high power mode (continuous transmission) when in the Sun. It will go into low power (intermittent) mode when in eclipse.

ARISSat-1 will be active on the following frequencies and modes:

- ⇒ **145.950 MHz FM Downlink:** FM transmissions will cycle between a voice ID as RS01S, select telemetry values, 24 international greeting messages in 15 languages, as well as SSTV images. If you successfully receive the SSTV transmissions, you are invited to upload your picture to the ARISS SSTV Gallery.
- ⇒ **435 MHz - 145 MHz Linear Transponder:** The linear transponder will operate in Mode U/V (70 cm up, 2 meters down). It is a 16 kHz wide inverting passband and the convention will be to transmit LSB on the 435 MHz uplink and receive USB on the 145 MHz downlink.
- ⇒ **145.919 MHz/145.939 MHz CW Beacons:** The CW transmissions will be call sign ID RS01S, select telemetry and call signs of people actively involved with the ARISS program.
- ⇒ **145.920 MHz SSB BPSK-1000 Telemetry:** The BPSK transmissions will feature a new 1kBPSC protocol developed by Phil Karn, KA9Q. When the CW2 beacon on 145.919 MHz is active, this indicates that the BPSK-1000 format is being transmitted. If the CW1 beacon on 145.939 MHz is active, the backup of BPSK-400 format is being transmitted.

AMSAT needs your telemetry from ARISSat-1/KEDR after deployment from the International Space Station. Since there are no "Whole Orbit Data" storage mechanisms onboard ARISSat-1/KEDR, listener submissions are the only way for AMSAT to collect the spacecraft telemetry and KURS experiment results. Here's how you can help:

Recorded ARISSat-1/KEDR and Kurs telemetry CSV files (in the ARISSatTLM folder) can be sent as via e-mail as an attachment.

If you are running ARISSatTLM and receiving the signal "live" from ARISSat-1/KEDR, please enable the telemetry forwarding option. You can download the free software at: [www.arissattlm.org/download/ARISSatTLM\\_050\\_Setup.exe](http://www.arissattlm.org/download/ARISSatTLM_050_Setup.exe).

The latest telemetry can be seen live on your computer or cell phone.

AMSAT has also posted an ARISSat-1/KEDR "How To" page on their website with pointers concerning digital aspects, such as BPSK telemetry reception, SSTV reception and more.

On this spacewalk, Volkov and Samokutyaev also installed laser communications equipment and replaced experiments on the Zvezda service module and retrieved a rendezvous antenna. They were unable to perform the major job of the spacewalk -- relocating a boom structure to aid future spacewalks -- due to time constraints. This spacewalk was the third for Volkov, who performed two spacewalks as Expedition 17 commander in 2008. This was the first spacewalk for Samokutyaev.

## Hams Report ARISSat-1 Linear Transponder Working

After its eventful deployment yesterday, ARISSat-1 is definitely working. Hams from all over the world have reported hearing the voice, CW and SSTV transmissions. Despite concerns that the UHF antenna was either missing or damaged, the linear transponder is working and some people are already making contacts with it. The August 3 deployment was delayed nearly four hours after cosmonauts Sergei Volkov, RU3DIS, and Alexander Samokutyaev, expressed concerns that only one antenna -- the VHF antenna -- was visible.

"I was able to hear myself with as little as 1 W on the 0425 UTC pass," AMSAT Vice President for Operations Drew Glasbrenner, KO4MA, wrote on the AMSAT e-mail reflector. "Antennas are a M2 CP42 on RHCP up, and a 10 element horizontal Yagi down. ARISSat-1 sounded very good, and cycled on and off with the telemetry. I also managed to grab two frames of telemetry right after AOS." Glasbrenner posted a video of his transponder test.

Calling it a "very good first day," ARISSat-1/KEDR Project Manager Gould Smith, WA4SXM, said that hams are submitting SSTV images to ARISS SSTV Gallery, and BPSK-1000 telemetry



and experiment data is coming into the telemetry server. "ARISSat-1/KEDR continues to work well with good reports coming in from around the world," he said. "The satellite is warmer than we expected, so we will continue to monitor this."

The 435 MHz/145 MHz linear transponder operates in Mode U/V (70 cm up, 2 meters down). It is a 16 kHz wide inverting passband, and the convention is to transmit LSB on the 435 MHz uplink and receive USB on the 145 MHz downlink.

## DX News (from page 12)

- ⇒ **MOUNT ATHOS, SV/A.** Monk Apollo, SV2ASP/A has been QRV on 20, 10 and 6 meters using SSB around 1800z each day. QSL to home call.
- ⇒ **BENIN, TY.** A group of operators will be QRV as TY1KS from August 6 to 15. Activity will be on all HF bands, including 6 meters, using CW, SSB and RTTY with two stations active. QSL via IZ7KHR.
- ⇒ **ANTARCTICA.** Gerard, ZS6KX is QRV as ZS6KX/7 from the SANAE IV Base. Activity has been on 20 meters using SSB between 1400 and 1700z. QSL to home call.
- ⇒ **MEXICO, XE.** Andrea, IZ2LSC will be QRV as XF3/IZ2LSC from Isla de Mujeres, IOTA NA-045, from August 9 to 15. Activity is on the HF bands. QSL via bureau.





## ARRIS Excited by New Proposal Process

Earlier this year, the education office at NASA's Johnson Space Center (JSC) sent a message to more than 18,000 US educators, describing the Amateur Radio on the International Space Station (ARRIS) program. This kicked off the first step in a new process used by the ARRIS team in selecting US schools for ARRIS educational events, such as an Amateur Radio contact between the ISS and the classroom. Early last fall, staff from JSC's Teaching From Space (TFS) program approached ARRIS leaders, looking to revise how they work with schools in order to greatly increase the number of educators who know about ARRIS.

According to ARRL ARRIS Program Manager Rosalie White, K1STO, the ARRIS team has worked steadily for the past six months on an end-to-end transition for the new proposal process. The work began last October with ARRL Education Services Manager Debra Johnson, K1DMJ, hosting a meeting at ARRL Headquarters for representatives from NASA, ARRL and AMSAT. In May, White and four NASA and AMSAT team members met in Maryland for a two day meeting to hammer out the final details.

In its invitation, NASA gave educators two months -- from May 15 to July 15 -- to submit proposals, with the best proposals earning an ARRIS educational radio contact. "When the TFS staff tallied the numbers the morning after deadline day, the ARRIS team cheered its success," White said. "The TFS office received and responded to a whopping total of 113 educator inquiries asking for submittal details. They received 24 completed proposals from US educators by the deadline. Additionally, TFS reports that since July 15, educators have called asking if they can submit their proposals late. The TFS staff encouraged these educators to submit a proposal during the next window of opportunity, which begins six months from now."

White said that the ARRIS team was not too sure about the response the invitation would garner, and could only guess what level of interest educators would display. In early July, only a few proposals had trickled in, but when the team heard the final numbers, both the TFS staff and the ARRIS team were pleased with the results.

"Each interested educator submitted a comprehensive proposal, with the ARRIS contact being one of many components related to NASA and ARRL education content, White explained. "Educators had to plan creative ways to maximize student experience." A NASA/ARRIS team will now review the submitted proposals and by September, they will together choose the best ones, based on a set of standards. Selected schools can immediately begin implementing their educational plans, and ARRIS Mentors will volunteer to assist schools with the radio contact.

## The new process can potentially reach 18,000 new educators every six months, and expose them and their students to Amateur Radio.

Educators are aware that if they are selected, their ARRIS ISS-to-school contacts will be scheduled between January and June 2012. According to White, the new ARRIS proposal system does away with a long wait and gives educators a definite time frame for when to start their series of related lessons.

If the educators have not yet located Amateur Radio operators in their town, the ARRL and AMSAT will aid educators in finding local amateurs who are experienced in amateur satellite operations who can help plan how to set up a temporary -- or even permanent -- amateur satellite station in the school. These mentors may also be able to help mentor the Amateur Radio-related lessons. If the ISS footprint doesn't reach the particular town, or if a school sits in a remote area where no Amateur Radio satellite operators live, ARRIS can schedule a telebridge-assisted QSO.

"The overall objective of ARRIS is to inspire an interest in science, technology, engineering and mathematics (STEM) and in STEM careers among young people, using NASA missions and resources," White said. "The ARRIS team and the TFS staff also hope that the new proposal process will also result a more consistent level of robust educational outcomes from all US schools hosting ARRIS education contacts, as well as have ARRIS' processes aligned with all other NASA education program processes."

White said that the ARRIS partners in the US hope the better integration of resources through this new proposal process -- and the increased emphasis on educational outcomes -- will help provide and encourage teachers to use resources related to wireless technology and Amateur Radio. They also hope that greater visibility will create more opportunity for Amateur Radio experimentation of new technologies, as well as provide more educational opportunity for students, teachers and the general public to learn about space exploration, space technologies and Amateur Radio communications.

"Progressing through the first parts of the new ARRIS proposal process showed that educators continue to hold a high interest in having their students learn about space and wireless technology," White notes. "Amateur Radio realizes many benefits from the new process. Every six months, 18,000 more educators will hear about ARRIS and Amateur Radio."

CODAR is a form of HF radar used by a number of institutions to research and study ocean currents and waves. Amateurs frequently reported CODAR sounds as that "repetitive loud swishing sound" on the band.

"After comparing reception reports of these signals that we had been hearing on the East Coast and reports he had received from amateurs on the West Coast, ARRL Orange Section Official Observer Coordinator Dan Welch W6DFW, followed up on them and began doing some research," explained ARRL Field and Regulatory Correspondent Chuck Skolaut, K0BOG. "We alerted Official Observers -- especially along the coast -- to monitor and forward reports."

Welch enlisted the assistance of a number of these Official Observers and other stations to monitor the frequencies after he had received more observations. Through good cooperation with the FCC, he was able to ascertain that CODAR was being used by Rutgers University on channels 3 and 4 in the 60 meter amateur band.

According to Skolaut, much of the follow-up included good cooperation from the CODAR group at Rutgers, including Josh Kohut and Ethan Handel. Rutgers is part of a regional partnership working on ocean observing. Kohut told the ARRL that information they gather is used by the Coast Guard, fisheries, off shore energy facilities, storm forecasters and pollution studies. He explained that the transmitters are capable of 40 W and provide information from up to 100 miles.



Welch and Handel coordinated testing, and amateurs were contacted to help monitor the frequencies as Handel shut down the various transmitters in their network to determine which ones amateurs were hearing. "They conducted two

tests a week apart and it was definitely determined that the pulses being heard on the two channels were being transmitted from one or more of their sites," Skolaut said. "It is interesting to note that the West Coast stations were able to hear the East Coast CODAR much of the time, depending on propagation. After consulting with Welch, the Rutgers team was able to move their transmitter frequencies outside of the amateur band to 4.9 MHz to continue their valuable ocean research. Both Handel and Kohut said that they were glad we were able to resolve this issue in a mutually beneficial way. Now once again, 60 meters is quiet with regard to CODAR signals."

Skolaut encourages amateurs to check out the band and sample what those frequencies have to offer, taking into regard the various restrictions for its use: "While conducting the monitoring checks, we noted a number of relaxed QSOs taking place on the other 60 meter frequencies, including a number of UK stations coming in quite nicely here on the East Coast on channel 5. This is a common frequency available to amateurs in the United States and the UK. Sixty meters is a band that fills the gap between 40 and 75 meters on phone quite nicely at times. It may truly be the 'hidden treasure' of the amateur bands."

For more information on 60 meters, please check out the 60 Meters FAQ page on the ARRL website:

<<http://www.arrl.org/60-meter-faq>>.





## ARRL Announces New Awards Branch E-Mails

### Awards Branch Contacts

The <[dxcc@arrrl.org](mailto:dxcc@arrrl.org)> e-mail is no longer in use. In an effort to better serve our clients, we have created a number of new e-mail addresses that will be delivered to the most appropriate person depending upon the subject.

⇒ <[DXCCAdmin@arrrl.org](mailto:DXCCAdmin@arrrl.org)>

DXCC application questions.

Application status.

Certificate or pin issues or problems; missing awards, lost in mail, etc.

Order more awards, or order some new awards from the awards branch.

⇒ <[DXCCRules@arrrl.org](mailto:DXCCRules@arrrl.org)>

Issues about licenses, authentication, documentation.

Questions about validity of operations.

Questions about the DXCC rules.

DXCC member has a question about the data shown in his DXCC records.

⇒ <[VUCCaward@arrrl.org](mailto:VUCCaward@arrrl.org)>

Anything to do with the VHF/UHF Century Club (VUCC) Award.

⇒ <[WASaward@arrrl.org](mailto:WASaward@arrrl.org)>

Anything to do with the Worked All States (WAS) and Triple Play WAS Award.

⇒ <[WACaward@arrrl.org](mailto:WACaward@arrrl.org)>

Anything to do with the Worked All Continents (WAC) Award.

⇒ <[A1opaward@arrrl.org](mailto:A1opaward@arrrl.org)>

Anything to do with the A-1 Operator Award.

⇒ <[ARRLAWardComments@arrrl.org](mailto:ARRLAWardComments@arrrl.org)>

Miscellaneous issues that are not more obviously covered above.

Questions about bringing HQ staff to conventions.

DX stories and articles.

Pictures of DXers and DXpeditions.

Help with DXing, questions about how to operate, or about software, etc.



## HKONA: Malpelo Island. Coming January 2012.

FOR IMMEDIATE RELEASE-Malpelo DXpedition 2012 August 5, 2011  
Contact: <[bob@k4uee.com](mailto:bob@k4uee.com)>

The Malpelo 2012 DXpedition is pleased to announce that the HKONA operating team is now complete with 16 operators. This is an international team of excellent operators, representing 8 different countries, and includes 3 members of the CQ DX Hall of Fame.

The team will depart from Buenaventura, Colombia on January 22, 2012 for the 235 mile trip to Malpelo. Depending on sea and landing conditions, we expect to be QRV within 36 hours after landing for about 10-12 days. The team will return to Buenaventura on Feb. 6, 2012

**HKONA, Malpelo Island. This one will be as popular as the STOR Southern Sudan operation. And just as big. Look for it early next year.**

Operations are planned on 160 through 6 meters on CW, SSB and digital modes.

We wish to thank Elecraft for the loan of seven K3 transceivers and five of the new KPA 500 amplifiers. RF Concepts (Alpha) has agreed to loan the team three Alpha 8410 amplifiers for use on the low bands and DX Engineering will supply most of the DXpedition antennas.

Thanks to N200 and the SJDJA who have graciously agreed to handle QSL duties. You may recall the expert job they did for 3Y0X and K5D recently.

Contributions are being sought from DX Foundations, DX Clubs and individual DXers. Your financial assistance is kindly requested. You may contribute directly to DXARC (Colombia) or to K4UEE (North America), DJ9ZB (Europe), or JA1ELY (Asia/JA). See our website: <[www.hk0na.com](http://www.hk0na.com)> for further details on how you can help.

We plan periodic press releases with information of interest. Also, watch the website for breaking news.

Thanks,  
Jorge Prieto, HK1R

DXpedition leader

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DETROIT 19, MICHIGAN



QST QST QST



**Club will provide Burgers, Dogs,**

**Pop and of course CORN!**

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**family are always welcome!**



# SWAP n SHOP 2011

AUGUST 28, 2011

2335 TURKEY RIDGE RD. UPPER BURRELL TWP.

TIME: 8 AM-1 PM

Prizes Prizes Prizes Prizes Prizes

|                                                                                                           |                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Fluke Multimeter</p> |  <p>Begali "PEARL KEY"<br/>Signed by Piero and Bruna</p> |
| <p>Door Prizes</p>                                                                                        | <p>Skyview Surprise Table</p>                                                                                                              |
| <p>\$3.00 Entrance --- \$5.00 / FLEA MARKET SPACE</p>                                                     |                                                                                                                                            |

**BUY - SELL - TRADE**



**FAMOUS SKYVIEW FOOD - Breakfast 7:30 AM, LUNCH 11:00 AM**

**ARRL WPA SECTION CONVENTION, 10:00 AM**  
**WPA ARES MEETING 1:00 PM**

## DIRECTIONS TO SKYVIEW RADIO SOCIETY

TALK-IN: 146.640 - pl 131.8

GPS=40° 31' 03" N / 79° 40' 37" W

Follow the signs

**From PA 380 PA 366 Cloverleaf** – Take Rt 366 West toward New Kensington for 1 mile to **WHITTEN HOLLOW ROAD** on right. Take Whitten Hollow to right turn onto Turkey Ridge at stop sign. Follow ¾ mile to Skyview.

**FROM NEW KENSINGTON** – Take Rt 366 East 8.5 mi. to **WHITTEN HOLLOW ROAD** on left. Take Whitten Hollow to right turn onto Turkey Ridge at stop sign. Follow ¾ mile to Skyview.

**Questions and Vendor Pre-registration: [AB3ER@ARRL.NET](mailto:AB3ER@ARRL.NET)**

**Visit us at : [WWW.SKYVIEWRADIO.NET](http://WWW.SKYVIEWRADIO.NET)**

**Drop off Donations to Westmoreland County Food bank**  
Canned and packaged food only please.

# August-September-October 2011

## The Steel City A.R.C. contest/event/hamfest planner

| August 2011 |     |                                                         | September 2011 |     |                                   | October 2011 |     |                               |
|-------------|-----|---------------------------------------------------------|----------------|-----|-----------------------------------|--------------|-----|-------------------------------|
| 6           | Sat | TARA Grid Dip Shindig                                   | 3              | Sat | Uniontown ARC GabFest             | 1            | Sat | TARA PSK Rumble               |
| 6           | Sat | European HF Championship                                | 3              | Sat | All Asian DX Test SSB             | 1            | Sat | Oceania DX Test SSB           |
| 6           | Sat | 10-10 Int. Summer Test SSB                              | 3              | Sat | Wake Up QRP Sprint                | 1            | Sat | WAB HF Phone                  |
| 6           | Sat | NA QSO Party CW                                         | 3              | Sat | AGCW Straight Key Party           | 1            | Sat | EU Autumn Sprint SSB          |
| 6           | Sat | ARRL UHF Contest                                        | 4              | Sun | All Asian DX Test SSB             | 1            | Sat | CA QSO Party                  |
| 7           | Sun | 10-10 Int. Summer Test SSB                              | 4              | Sun | DARC 10-Meter Digital Test        | 2            | Sun | Oceania DX Test SSB           |
| 7           | Sun | NA QSO Party CW                                         | 5              | Mon | Labor Day                         | 2            | Sun | WAB HF Phone                  |
| 7           | Sun | ARRL UHF Contest                                        | 5              | Mon | MI QRP Labor Day CW Sprint        | 2            | Sun | CA QSO Party                  |
| 7           | Sun | SARL HF Phone Contest                                   | 6              | Tue | MI QRP Labor Day CW Sprint        | 3            | Mon | German Telegraphy Contest     |
| 10          | Wed | NAQCC Straight Key/Bug Sprint                           | 10             | Sat | ARRL September VHF QSO Party      | 6            | Thu | SARL 80m QSO Party            |
| 10          | Wed | NAQCC-EU Monthly Sprint                                 | 10             | Sat | WAE DX Test SSB                   | 8            | Sat | PA QSO Party                  |
| 13          | Sat | WAE DX Test CW                                          | 10             | Sat | Swiss HTC QRP Sprint              | 8            | Sat | Makrothen RTTY Contest        |
| 13          | Sat | Maryland-DC QSO Party                                   | 11             | Sun | ARRL September VHF QSO Party      | 8            | Sat | Oceania DX Test CW            |
| 14          | Sun | WAE DX Test CW                                          | 11             | Sun | Butler County ARC HamFest         | 8            | Sat | EU Autumn Sprint CW           |
| 14          | Sun | Maryland-DC QSO Party                                   | 11             | Sun | WAE DX Test SSB                   | 8            | Sat | FISTS Fall Sprint             |
| 20          | Sat | Westmoreland County Airshow--OPS<br>NEEDED! See page 9. | 11             | Sun | North American Sprint CW          | 9            | Sun | PA QSO Party                  |
| 20          | Sat | SARTG WW RTTY Test                                      | 12             | Mon | ARRL September VHF QSO Party      | 9            | Sun | Monessen ARC HamFest          |
| 20          | Sat | ARRL 10GHz + Test                                       | 12             | Mon | NAQCC-EU Monthly Sprint           | 9            | Sun | Makrothen RTTY Contest        |
| 20          | Sat | NA QSO Party SSB                                        | 16             | Fri | SARL VHF/UHF Analogue Test        | 9            | Sun | Oceania DX Test CW            |
| 20          | Sat | NJ QSO Party                                            | 17             | Sat | SARL VHF/UHF Analogue Test        | 9            | Sun | NA Sprint RTTY                |
| 21          | Sun | Westmoreland County Airshow--OPS<br>NEEDED! See page 9. | 17             | Sat | ARRL 10 GHz and Up Test           | 10           | Mon | 10-10 Day Sprint              |
| 21          | Sun | SARTG WW RTTY Test                                      | 17             | Sat | Scandinavian Activity Test CW     | 12           | Wed | NAQCC Straight Key/Bug Sprint |
| 21          | Sun | ARRL 10GHz + Test                                       | 17             | Sat | SRT HF Test SSB                   | 12           | Wed | NAQCC-EU Monthly Sprint       |
| 21          | Sun | NA QSO Party SSB                                        | 17             | Sat | QRP Afield                        | 15           | Sat | 10-10 Int. Fall Contest CW    |
| 21          | Sun | NJ QSO Party                                            | 17             | Sat | Washington State Salmon Run       | 15           | Sat | ARCI Fall QSO Party           |
| 21          | Sun | ARRL Rookie Roundup RTTY                                | 18             | Sun | SARL VHF/UHF Analogue Test        | 15           | Sat | Worked All Germany Test       |
| 27          | Sat | Hawaii QSO Party                                        | 18             | Sun | ARRL 10 GHz and Up Test           | 15           | Sat | IL QSO Party                  |
| 27          | Sat | YO DX HF Contest                                        | 18             | Sun | Scandinavian Activity Test CW     | 16           | Sun | 10-10 Int. Fall Contest CW    |
| 27          | Sat | SCC RTTY Championship                                   | 18             | Sun | SRT HF Test SSB                   | 16           | Sun | ARCI Fall QSO Party           |
| 27          | Sat | Ohio QSO Party                                          | 18             | Sun | QRP Afield                        | 16           | Sun | Worked All Germany Test       |
| 28          | Sun | SCARC CornRoast                                         | 18             | Sun | Washington State Salmon Run       | 16           | Sun | Asia-Pacific Fall Sprint CW   |
| 28          | Sun | Skyview Hamfest                                         | 18             | Sun | North American Sprint SSB         | 16           | Sun | IL QSO Party                  |
| 28          | Sun | Hawaii QSO Party                                        | 18             | Sun | WAB 144 MHz QRP Phone             | 17           | Mon | ARRL School Club Roundup      |
| 28          | Sun | YO DX HF Contest                                        | 22             | Thu | NAQCC Straight Key/Bug Sprint     | 18           | Tue | ARRL School Club Roundup      |
| 28          | Sun | SCC RTTY Championship                                   | 23             | Fri | Autumnal Equinox arrives @0504EDT | 19           | Wed | ARRL School Club Roundup      |
| 28          | Sun | Ohio QSO Party                                          | 24             | Sat | CQ Worldwide DX Test RTTY         | 20           | Thu | ARRL School Club Roundup      |
| 28          | Sun | SARL HF CW Contest                                      | 24             | Sat | AGCW VHF/UHF Contest              | 21           | Fri | ARRL School Club Roundup      |
|             |     |                                                         | 24             | Sat | TX QSO Party                      | 22           | Sat | ARRL School Club Roundup      |
|             |     |                                                         | 25             | Sun | CQ Worldwide DX Test RTTY         | 22           | Sat | Araucaria VHF Test            |
|             |     |                                                         | 25             | Sun | TX QSO Party                      | 22           | Sat | FOC QSO Party                 |
|             |     |                                                         | 26             | Mon | QRP Homebrewer Sprint             | 23           | Sun | Araucaria VHF Contest         |
|             |     |                                                         |                |     |                                   | 29           | Sat | CQWW DX SSB Test              |
|             |     |                                                         |                |     |                                   | 30           | Sun | CQWW DX SSB Test              |

Complete contest list: <[www.hornucopia.com/contestcal/contestcal.html](http://www.hornucopia.com/contestcal/contestcal.html)>

**W3KWH: The Steel City Amateur Radio Club**  
**Membership Application**

Mail to: Steel City ARC, P.O. Box 281, Carnegie, PA.  
15106, or you can bring to any business meeting, or  
club social and hand it to an officer, or Greg, NB3C  
(Membership Committee Chairman).

Questions? E-Mail Greg, NB3C: <KQ3DX@hotmail.com>

Date: \_\_\_\_\_

Name: \_\_\_\_\_ Call: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Are you an ARRL member? (Circle one) **YES/NO** Membership #: \_\_\_\_\_

What modes/bands interest you? \_\_\_\_\_

Are you interested in working contests? (Circle one) **YES/NO** If YES, which ones? \_\_\_\_\_

Are you willing/are you able to participate in club work parties for the maintenance and upkeep of  
club grounds/facilities? (Circle one) **YES/NO** If not, please explain: \_\_\_\_\_

The Steel City ARC is open to all who are interested in Amateur Radio. We are looking for good, active, responsible Amateurs. You will be expected to abide by the Constitution and By-Laws of the club, and uphold the Amateur Radio Operator's Code. You are encouraged to attend the monthly business meeting, currently held on the third Tuesday of every month @8:00PM, and our social nights, held every Wednesday evening, except for the week of the business meeting. Our dues are currently \$50.00 per year, and are pro-rated, depending on what time of the year you join the club. (First year only.) Once you are a member, you will have full 24/7 access to the clubhouse.

Your application will be held for 6 months. During this time, you will be required to attend a **MINIMUM** of 3 business meetings. Your application will be reviewed & read at each of these meetings. A vote for membership will be held at the third meeting/reading.

If these requirements are not met, your application will be dropped. You may, of course, reapply, and start the entire process over.

**NOTE: We are willing to make exceptions on a case-by-case basis to the 6-month time limit (IE: work schedule, distance from club, etc.).**

I agree to the above conditions (Applicant's signature): \_\_\_\_\_

Sponsor's signature / call: \_\_\_\_\_ Date: \_\_\_\_\_

**FOR MEMBERSHIP COMMITTEE PURPOSES ONLY:**

Date application received: \_\_\_\_\_ 1st reading: \_\_\_\_\_

2nd reading: \_\_\_\_\_ 3rd reading: \_\_\_\_\_

Date of membership vote: \_\_\_\_\_ Application rejected: \_\_\_\_\_

Membership Committee approval: \_\_\_\_\_

Steel City Amateur Radio Club  
P.O. Box 281  
Carnegie, Pennsylvania 15106

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



# KiloWatt Harmonies

THE OFFICIAL HOUSE ORGAN OF THE STEEL CITY  
AMATEUR RADIO CLUB, PITTSBURGH, PA.

NEXT  
MEETING:  
AUGUST 16,  
8:00PM

