

Kilo Watt Harmonics

June 2011
Issue #6
Price: FREE!



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

<www.w3kwh.com>

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7700 HF • 4M Transceiver

• VHF/UHF/VHF (VHF-AM)

• VHF (VHF-AM) (VHF-AM)

• 12-Bit IF (150K) • 24-Bit A/D-T/A Conversion

Our next meeting date: June 21, 8PM.
**Come for the meeting, stay for the fine
dining and friendly socializing afterwards.**

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THE BUSINESS MEETING IS
EVERY THIRD TUESDAY OF THE
MONTH @8PM. A SOCIAL NIGHT
IS HELD EVERY WEDNESDAY
NIGHT, EXCEPT FOR THE
WEDNESDAY FOLLOWING THE
BUSINESS MEETING. ALL
AMATEURS ARE WELCOME
TO ATTEND BOTH.
COME JOIN THE CLUB! E-MAIL AN
OFFICER FOR DETAILS.

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June 2011

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Amateur Radio Club (SCARC)

Editor: Greg Babin, NB3C.

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SCARC is an ARRL-affiliated
organization.

Membership is open to all
licensed amateurs in
the Pittsburgh area.

PLEASE KEEP ME IN THE
LOOP ON LOCAL NEWS/
EVENTS. REMEMBER: JUST
BECAUSE YOU KNOW WHAT'S
GOING ON DOESN'T MEAN I
KNOW WHAT'S GOING ON!

NEXT ARTICLE DEADLINE: FRI., JULY 8 PUBLICATION DATE: SUN., JULY 10

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)
ATV Repeater: 426.250MHz (Currently off-line.)
WA3TTS Beacon: 144.300MHz (CW)
WA3TTS Beacon: 50.070MHz (CW)
WA3TTS Beacon: 1296.269MHz (CW) (See page 25)

FRONT COVER: The Icom IC-7700 at Dayton Hamvention®.

BACK COVER: A Collins 75A1 seen in the flea market.

THANKS TO THE FOLLOWING
FOR YOUR CONTRIBUTIONS
THIS MONTH: W3SVJ, N3EQP,
KB3ERQ, WA3FWA, ARRL,
N3MSE, N3ZOM, W3KK,
425 DXNews, Ohio/Penn DX
Bulletin.

Business meeting minutes: May 2011

The meeting was conducted by the President Bob, WB3HDI at 8 PM with the Pledge of Allegiance, followed by a moment of silence for our Silent Keys. There were 18 members and 3 guests present. The minutes of the April meeting were accepted as published in the May newsletter. The Treasurer's report was given by the Treasurer KA3YNO, Walt and was accepted by the membership. Walt explained avenues of investing club money in his report.

At this time, Sue, KA3JKS introduced KD8GRJ, Fred of the National Weather Service, who gave a talk on Skywarn. He discussed certification and suggested that we report penny sized hail, downed trees, high water and closed roads and the location of each. Report these at 1-800-242-0510 or e-mail to <pbz-skywarn@noaa.gov>.

Committee Reports:

- ⇒ **Clubhouse:** Karl WA3VXJ cut the grass, K3JHT John is working the kitchen tonight and the VHF room should be ready for the June VHF party. The clubhouse air conditioning unit may be replaced by NU3S Al with a unit donated by AI3J Mark.
- ⇒ **Technical:** Repeaters will go into the shed; to be announced. Every thing is working OK.
- ⇒ **Contest:** The VHF party and Field Day occur in June.
- ⇒ **Newsletter:** NB3C Greg wants those members who go to the Dayton Hamvention to take pictures for the newsletter.
- ⇒ **Membership:** NB3C Greg gave the 2ed reading of prospective member KJ3D Jim.
- ⇒ **Public Service:** KA3MSE Lloyd explained that on-line registration of ARES is on hold. Sue KA3JKS reported that several SCARC members worked the Marathon and Race for the Cure. Joe WB3AGB got a spot for ham radio on AM radio station KQV.
- ⇒ **Ways and Means:** WA3FWA Joe will collect any outgoing QSL cards, run the 50/50 raffle after the meeting and announced the Skyview Hamfest. The soda pop profits and the 50/50 raffle proceeds have been given to the Treasurer. These funds are to be spent on clubhouse items that would not need to be approved by the general membership.
- ⇒ **Web Site and PC:** The repeater clock is now working properly.
- ⇒ **Volunteer Exams:** We need a new VEC with the retirement of AI3J Mark.
- ⇒ **New Business:** N3EQP John asked the members to submit any new books wanted for the library and NB3C Greg will publish them in the newsletter.
- ⇒ **Good of The Order:** WA3FWA Joe described the tower and antenna that he wants to take down. He needs help. The whole system is free to the helpers. W3SVJ Nate read a paper that he wrote regarding the current remodeling. The content of the paper was both agreed upon and disputed by the membership. No new projects would be started until the current ones are completed. Greg NB3C offered that more members need to be involved with the work parties. N3EQP John offered to form a party to tag stuff to keep, the week after the Dayton Hamvention.
- ⇒ **Motion to Adjourn:** by N3EQP John.
- ⇒ **50/50 raffle won by:** WA3RVD Mel.

Minutes submitted by recording secretary WA3FWA Joe.
(Welcome back Joe!!)

Meeting schedule: Next meeting is June 21. The July meeting will be on July 19. Our Business Meetings start @ 8PM. All interested amateurs are welcome to attend. CU there!!



Memorial bricks
placed at S & S
Hall in Oakland

The brick that was donated by the club to the Soldiers & Sailor Memorial Hall in Oakland has been placed. It is seen above on the left. You'll also see a couple of other bricks I found to be of interest. Many thanks to Art, WA3BKD for being the point man on this detail. It's located on the Bigelow Blvd. side of the building; walk up the steps on Bigelow, and you'll see it just off to the right side of the building in the walkway. I'll see if I can print a map and mark the location and stick in a future newsletter.

The next few weeks will be filled with a lot of activities for area hams. This weekend will be the annual Armed Forces cross band exercise. Amateurs can contact various services while working split and make a contact with these groups. It is a fun event and also a good exercise in operating your equipment in the split operation mode.

For those of us unable to make the trip to Dayton, on June 5 is the big Breezeshooters hamfest held at the Butler Farm show grounds. Additional information on the hamfest is available at <http://www.breezeshooters.net/index.htm>. This is by far the largest hamfest in the section and always a worthwhile event. I will be there and we will also be conducting forums on ARES and the ACS program as well as discussions on ARES and clubs. Larry Keller, AB3ER, W. Pa. SEC will also be conducting the seminars.

Larry is also looking for individuals interested in leadership positions in the ARES organization. Many counties are without emergency coordinators and we are also in need of a few individuals to oversee the districts. While on the subject of ARES, the online registration program that we attempted using the ARRL website has been eliminated. The form was available however there was no easy way to sort and distribute the data to the field. The online form is gone and we are sorry for the problems associated with this. We currently have some people working on providing this on our section website and when completed we hope that everyone will use it to help get a positive roster.

There seems to have been confusion at times in e-mails I have seen on various groups list servers. The Section Traffic Manager Bob Bashaw decided to move the 2 meter traffic net from the 88 repeater in Pittsburgh to a repeater in Derry, Pa. At NO time did the repeater trustees or the North Hills club ask the net to move. This was a decision that the traffic manager made. I want to thank everyone involved with the years of service provided to area hams by the owners and sponsors of the 88 machine.

The NBEMS software has seen many updates in the past few months. Be sure to download and install the latest version of this software. The improvements have made the use of NBEMS for Emcomm service even better than in the past. You can get the latest software at: <http://w1hkj.com/download.html>. We were all glad to hear that Dave, W1HKJ and his family had no major problems from the terrible storms in the south. Thanks Dave for all your support and help. (Dave lives in Alabama—Ed.)

Looking at the calendar we are only a short 6 weeks away from Field Day. Field Day 2011 will take place the weekend of June 25-26. You can download a complete Field Day package with rules and forms at: http://www.arrl.org/files/file/Field-Day/2011/2011_FD_Packet.pdf. Download the information and print it for reference. While you are at it be sure to register your field day location so others can find you and stop by for a visit. Let me know your location as well and I will try to stop for a visit while I travel around the sections. Be sure to check the ARRL store and order your field day pins early as these are always a sellout.

I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep this activity running strong.

The section net is on 3983 every evening at 6 PM now that the time change has taken place. The CW net is at 3585 at 7 PM local time. Also please check in on the Saturday morning ARES net. This net is conducted at 9 AM local on 3983 KHz. On Tuesday evening a PANBEMS net is conducted at 6 pm also on 3583.5 USB. Another net is held Sunday mornings at 10 AM. Please check in for valuable information. Additional information on various NBEMS nets is available at <http://panbems.org/>. There are also several nets on various VHF-UHF repeaters. Join the nets and lets all get Radio Active.

73
John V. Rodgers, N3MSE,
W. Pa. Section Manager

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Tour de Cure ops needed.....

It's that time again for the American Diabetes Association bicycle fundraiser "Tour de Cure" taking place on Sunday June 26th, 2011 from the Seneca Valley High School in Harmony, PA.

My name is Ed Bathgate, N3SDO. I am the Amateur Radio coordinator this year. I am a 2nd generation type 2 diabetic, and my wife Tammy is 4th generation with type 2 diabetes. Our futures and those of many others will be greatly improved through the research that will be done from the money raised by this event and others like it.

I am looking for Amateur Radio operators and other talented volunteers to participate in the 2011 tour. Amateur Radio operators perform key roles in communications for route and rider safety, SAG support and gear, mechanical breakdown, communicating the need for medical assistance, event logistics, net control, etc. This ride is scheduled for Sunday the 26th, the "Last Weekend in June" also known as "Field Day Weekend". You can sharpen your operating skills during FD on Saturday and apply your skills in a Public Service event on Sunday.

Operators are needed for all positions. If you are interested in participating, please let me know your Name, Call Sign, T-Shirt size, and experience level. Example: Ed Bathgate, N3SDO, T-shirt size XL, Experienced SAG and net control operator.

Please reply via email to : <edbathgate@zoominternet.net>, or telephone my Wife / Secretary Tammy at 724-752-0930

For more information click: <http://main.diabetes.org/site/TR/TourdeCure/PittsburghWesternPAArea?pg=entry&fr_id=7560>

73 and thank you for your support de Ed, N3SDO

SENATE "COMPANION" BILL TO HR 607 AVOIDS IMPACTING AMATEUR SPECTRUM

On Thursday, May 19, Senators Joe Lieberman (ID-CT) and John McCain (R-AZ) introduced S 1040 -- The Broadband for First Responders Act of 2011 -- in the Senate. While it has a similar objective to HR 607 -- introduced in February by Representative Peter King (R-NY-3) -- this Senate bill, unlike HR 607, does not call for auctioning any portions of Amateur Radio spectrum. Both bills call for the allocation of the so-called "D block" of spectrum, 758-763 and 788-793 MHz, to facilitate the development of a public safety broadband network.

On learning in February that a Senate version of HR 607 was being drafted, ARRL Chief Executive Officer David Sumner, K1ZZ, met with staff members of the Senate's Homeland Security and Governmental Affairs Committee who were working on the bill to share the ARRL's concerns with regard to HR 607. "They seemed very receptive to our argument and appreciative of the public service contributions of radio amateurs," Sumner said. "It is gratifying to see that S 1040 avoids impacting our spectrum allocations."

Sumner explained that while some media reports are referring to S1040 as "the Senate version of HR 607," it is important that radio amateurs not oppose S 1040: "There is no reason for us to do so. We support the creation of an interoperable broadband network for first responders. Other than to oppose any method that would impact amateur spectrum use, we do not support one method over another of achieving that objective. We only oppose one aspect of HR 607, not the entire bill."

S1040 has been referred to the Senate Committee on Science, Commerce, and Transportation, chaired by Senator Jay Rockefeller (D-WV). Senator Rockefeller earlier introduced his own bill, S 28, to address the same general topic. Neither Senate bill would impact amateur spectrum.

ARRL TO TESTIFY ON INTEROPERABLE PUBLIC SAFETY NETWORK

The Subcommittee on Communications and Technology of the US House of Representatives has invited the ARRL to testify at a hearing on "Creating an Interoperable Public Safety Network." ARRL General Counsel Chris Imlay, W3KD, will appear before the Subcommittee on Wednesday, May 25. Other scheduled witnesses are Jeffrey D. Johnson, Chief Executive, Western Fire Chiefs Association, on behalf of The Public Safety Alliance; Joe Hanna, President of Directions Corporation and past-President of APCO International; Dr. Dennis Martinez, Chief Technology Officer for Harris RF Communications Division, and Joseph R. Hanley, Vice President for Technology, Planning and Service, Telephone and Data Systems, Inc.

"While this is not a hearing specifically on HR 607, it provides a welcome opportunity to document our concerns about Section 207(d) of that bill," noted ARRL Regulatory Information Manager Dan Henderson, N1ND. HR 607 was introduced by Representative Peter King (R-NY-3), who serves as chairman of the House Committee on Homeland Security. The bill was referred to the House Committee on Energy and Commerce and then to the Subcommittee on Communications and Technology, which is chaired by Representative Greg Walden (R-OR-2), W7EQI. The Subcommittee is preparing its own bill to address the need for an interoperable public safety network.

In another encouraging development on HR 607, on Thursday, May 19 a delegation of amateurs met with

Representative King to discuss the Amateur Radio community's concerns. The delegation included ARRL New York City/Long Island (NLI) Section Manager Mike Lisenko, N2YBB; NLI Local Government Liaison and local AMSAT representative Peter Portanova, WB2OQQ; NLI State Government Liaison George Tranos, N2GA, and NLI Section Emergency Coordinator Jim Mezey, W2KFV. The delegation reported that Representative King stated that he fully understands and appreciates the importance of Amateur Radio and the service it provides to the community, and that he would see to the modification of the bill to exclude 420-440 MHz from spectrum to be auctioned.

"The meeting that Mike and his ARRL Section leadership team were able to arrange with Representative King is an important, positive step in the amateur community's efforts to protect the 70 cm band," Henderson explained. "While a successful legislative campaign has many facets, there is nothing like 'face time' with constituents to reach an elected official."

Articles for the 'National news briefs' column are gleaned from various issues of the ARRL Bulletin, and are ©2011, ARRL.

FEMA ADMINISTRATOR CALLS AMATEUR RADIO "THE LAST LINE OF DEFENSE"

In an FCC forum on earthquake communications preparedness, Federal Emergency Management Agency (FEMA) Administrator Craig Fugate described the Amateur Radio operator as "the ultimate backup, the originators of what we call social media." The forum-- held May 3 at FCC Headquarters in Washington, DC -- brought together officials from the White House, the Department of Homeland Security (DHS), the United States Geological Survey (USGS), FEMA, the FCC and the private sector. Fugate and FCC Bureau of Public Safety and Homeland Security Chief Jamie Barnett gave the opening remarks.

In an earthquake communications preparedness forum sponsored by the FCC, FEMA Administrator Craig Fugate praised Amateur Radio, saying "...when you need Amateur Radio, you really need it."

Later in the forum, Fugate spoke more on Amateur Radio. "During the initial communications out of Haiti, volunteers using assigned frequencies that they are allocated, their own equipment, their own money, nobody pays them, were the first ones oftentimes getting word out in the critical first hours and first days as the rest of the systems came back up," he told the forum. "I think that there is a tendency because we have done so much to build infrastructure and resiliency in all our other systems, we have tended to dismiss that role 'When Everything Else Fails.' Amateur Radio oftentimes is our last line of defense."

Fugate said that he thinks "we get so sophisticated and we have gotten so used to the reliability and resilience in our wireless and wired and our broadcast industry and all of our public safety communications, that we can never fathom that they'll fail. They do. They have. They will. I think a strong Amateur Radio community [needs to be] plugged into these plans. Yes, most of the time they're going to be bored, because a lot of the time, there's not a lot they're going to be doing that other people aren't doing with Twitter and Facebook and everything else. But when you need Amateur Radio, you really need them."

You can watch a video of the forum on YouTube. Fugate's remarks begin at 18:55.

FCC ISSUES CITATION TO ILLINOIS COMPANY FOR ILLEGAL MARKETING OF UNAUTHORIZED RADIO FREQUENCY DEVICES

On June 2, the FCC issued a Citation to Gary L. Stanford -- doing business as Spark Gap CB Shop in Lincoln, Illinois -- for "marketing in the United States unauthorized radio frequency devices and external radio frequency power amplifiers." This is in violation of section 302(b) of the Communications Act, and Sections 2.803 (a)(1) (marketing of radio frequency devices prior to equipment authorization) and 2.815(b) (external radio frequency power amplifiers) of the Commission's rules.

On November 1, 2010, an agent from the FCC's Enforcement Bureau office in Chicago visited the Spark Gap CB shop in Lincoln. According to the Citation, the agent asked the clerk if the store had any amplifiers for sale. The clerk showed the agent a display case with external radio frequency power amplifiers for sale from several different manufacturers. The clerk also suggested that the agent consider purchasing a 10 meter Amateur Radio that is modified to operate on frequencies in the 11 meter Citizen's Band. The clerk also showed the agent a 10 meter Amateur Radio that was on display and operating on a Citizen's Band frequency.

The FCC advised that Spark Gap should take immediate steps to ensure that it does not import, advertise or sell such devices. If, after receipt of the Citation, Spark Gap CB violates the Communications Act or the Rules by continuing to sell these (CONTINUED ON PAGE 29)



- ⇒ [VIETNAM, 3W.](#) Wayne, K6ZSJ is QRV as 3W7W from Nha Trang. Activity is on 20, 15 and 10 meters. QSL via W3HNK.
- ⇒ [WEST MALAYSIA, 9M2.](#) Vlad, RA9LR will be QRV as 9M2/RA9LR from Langkawi Island, IOTA AS-058, from the middle of May until the middle of July. He plans to be active on the HF bands using CW, SSB, RTTY and PSK. QSL via UA9LP.
- ⇒ [MIDWAY ISLAND, KH4.](#) Joe, W5FJG will soon be QRV as KH4/W5FJG and is here for at least one year while working as Chief Communications Officer. Activity will be in his spare time on 40 to 10 meters, and possibly 80 meters, using CW, SSB and various digital modes. QSL via operator's instructions.
- ⇒ [PAPUA NEW GUINEA, P2.](#) P29ZL, Tim, is an electronics technician at the translation and literacy operation in Ukarumpa, Papua New Guinea for the next several years. Activity is typically during his evenings and weekends on SSB and PSK31. QSL cards should now go via W1YRC.
- ⇒ [SEYCHELLES, S7.](#) David, S79DF is QRV from Saint Anne Island, IOTA AF-024, for several months. He is active generally in his spare time on 20 meters, although he may be active on 17 to 10 meters soon. QSL via IV3TDM.
- ⇒ [GERMANY, DA.](#) Special event station DL0YLWM will be QRV from June 1 to July 31 during the Women's World Cup in Germany. QSL via bureau.
- ⇒ [TURKS AND CAICOS ISLANDS, VP5.](#) Dave, W5CW is QRV as VP5/home call until June 14. Activity is on 160 to 6 meters using CW and SSB. He will be QRV as VP5CW in the CQ WW WPX CW and upcoming ARRL VHF contests. QSL to home call.
- ⇒ [KYRGYZSTAN, EX.](#) Sergey, EX8MLE is usually QRV on 17 meters using CW around 0100z. QSL direct to home call.
- ⇒ [BELIZE, V3.](#) Mike, VE2XB is QRV as V31XB from Caye Caulker Island, IOTA NA-073, for several weeks. Activity is on all HF bands using CW and SSB. QSL to home call.
- ⇒ [MACEDONIA, Z3.](#) Special event stations Z365RSM and Z365HQ are QRV until the end of the year in celebration of the 65 years of the Radioamateur Society of Macedonia. QSL both calls via Z33F.
- ⇒ [OPERATION APPROVED FOR DXCC CREDIT.](#) The following operation is approved for DXCC credit: Andaman and Nicobar Island, VU4PB, 2011 operation.
- ⇒ [MONTENEGRO, 4O.](#) Oskar, LB9N is QRV as 4O/LB9N until June 18. Activity of late has been on 20 and 15 meters using SSB. QSL to home call.
- ⇒ [MOZAMBIQUE, C9.](#) Bill, ZS6CCY is QRV as C95WH from the Zambezi River Valley. His length of stay is unknown. QSL via K3IRV.
- ⇒ [MOROCCO, CN.](#) Richard, F8FGU is QRV as CN2RN from the Middle Atlas mountains until June 20. Activity is on the HF bands using CW and SSB. QSL to home call.
- ⇒ [FRANCE, F.](#) Special event station TM6JUN is QRV from Utah Beach until June 15 in commemoration of the 67th anniversary of the D-Day invasion during World War II. Activity is on 160 to 6 meters using CW, SSB, RTTY and PSK. QSL via F5SAZ.
- ⇒ [SAINT MARTIN, FS.](#) John, K9EL will be QRV as FS/K9EL from June 7 to 19. Activity will be on 80 to 6 meters using CW, SSB and some RTTY. QSL to home call.
- ⇒ [PALAU, T8.](#) Operators Taka/JA0BJR, Toshi/JP1IOF and Toshi/JE1SYN will be active as T88ZA, T80T and T8YN, respectively, from Koror Island (OC-009) between June 24-27th. Activity will be on 80-6 meters using CW SSB, FM, RTTY and PSK31. They will have two stations on the air. QSL via their home callsigns.
- ⇒ [CROATIA, 9A.](#) Csaba, DH7KU will be QRV as 9A/DH7KU from Pag Island, IOTA EU-170, from June 12 to 22. Activity is holiday style on 40 and 20 meters. QSL to home call.
- ⇒ [JERSEY, GJ.](#) Operators EA1AP and EA1SA will be QRV as MJ/home calls from June 12 to 21. Activity will be on 80 to 6 meters using CW, SSB and RTTY. QSL to home calls.
- ⇒ [JAPAN, JA.](#) In celebration of the 220th birthday anniversary of Samuel F.B. Morse, special event stations using 8J1MORSE are active from each call area until December 31, 2011. Each callsign is followed by the call area number. Activity is on the HF bands using mainly CW with some SSB. QSL via bureau.
- ⇒ [NETHERLANDS, PA.](#) Special event station PG6N will be QRV from the Noordwijk Lighthouse Station, ARLHS NET-019, from June 11 to 18. This takes place during Coastal Week. Activity will be on all HF bands including 6 and 2 meters. QSL via bureau.
- ⇒ [MONTERRAT, VP2M.](#) John, KB4CRT is QRV as VP2MRT until June 18. Activity is on 40 to 2 meters. QSL direct to home call.
- ⇒ [BERMUDA, VP9.](#) Doug, KF4VTT is QRV as KF4VTT/VP9 until June 17 while on holiday. Activity is on 160 to 6 meters using CW, SSB, RTTY and possibly PSK31 in his spare time. QSL to home call.
- ⇒ [OPERATIONS APPROVED FOR DXCC CREDIT.](#) The following operations are approved for DXCC credit: Cameroon, TJ9PF, 2011 operation. These particular cards were printed with the year 2001 instead of 2011. This is a known software bug that has been fixed. This will not affect the integrity of the logs. DXCC will accept TJ9PF QSL cards showing the date as 2001; Macquarie Island, VK0KEV, current operation.
- ⇒ [SVALBARD, JW.](#) Roar, LA1EOA is QRV as JW1EOA from Longyearbyen on Spitsbergen, IOTA EU-026, until June 15. Activity is on 40 to 6 meters using SSB. QSL to home call.

'News from the DX world' is gleaned from various issues of the ARRL DX Bulletin & is ©2011, ARRL.

Propagation Report

Although higher early in the reporting week, average daily sunspot numbers declined over four points to 85.7 and the average of daily solar flux numbers was down a point and a half to 101.6, when compared to the previous week, May 26 to June 1.

Predicted solar flux for the near term is 88 on June 10-13, then 86, 84, 84, 88, 95, on June 14-18, then 92 on June 19-21, 95 and 100 on June 22-23 and 110 on June 24-26. Solar flux then rises to a peak of 115 on June 28. Predicted planetary A index is 25, 12, 8 and 8 on June 10-13, then 5 on June 14-22, then peaking at 15 on June 24-25.

Geophysical Institute Prague predicts unsettled to active conditions June 10, unsettled June 11, quiet to unsettled June 12-13, unsettled June 14, quiet to unsettled June 15, and quiet conditions June 16.

On June 3 there were 8 sunspot groups facing Earth, numbered consecutively 1225-1232. Then on June 5, groups 1225, 1229, 1230 and 1231 disappeared, and new group 1233 emerged. On June 7 1233 disappeared, and on June 9 1226 left us and new group 1234 appeared.

For more information concerning radio propagation, see the ARRL Technical Information Service web page at <http://arll.org/propagation-of-rf-signals>. For an explanation of the numbers used in this bulletin, see <http://arll.org/the-sun-the-earth-the-ionosphere>. An archive of past propagation bulletins is at <http://arll.org/w1aw-bulletins-archive-propagation>. Find more good information and tutorials on propagation at <http://mysite.ncnetwork.net/k9la/index.html>.

(CONTINUED ON PAGE 29)



Hamvention® 2011!

My favorite time of the year is May!
Spring is here, it's getting warmer
every day, and of course,
there's Dayton!

I was lucky enough to get a week off,
so in the car I jumped and drove to my
favorite hamfest of them all!

The weather was great; I ran into some
rain on the way over late Thursday
evening, but I woke up to blue skies
and warm temps on Friday. It was a
great weekend too; not one drop of rain
fell during the show! When was the last
time THAT happened?

I took my camera along with me; follow
along as I show you the sights I saw,
just in case you didn't make it.....Or if
you did make it, see what you might
have missed.....



On this page: Friday morning in the
flea-market. Lots of boat-anchors. Me
personally, I thought last years
offering had better quality. I did see a
some nice stuff, but there was a lot of
beat up junk too.....



I saw a lot of amps this year, both inside and outside in the flea market. **To the right:** the Emtron DX-5 amp. For those who feel the need to compete with KDKA.....8KW on CW, 10KW on SSB. Yep, you read it right. Just imagine someone from the **C**hildren's **B**and getting hold of this baby.....

These folks come all the way from Australia, & they have a real nice selection of amps available.



To the left: I saw this home-brew amp out in the flea market. Looks to be very nicely constructed. I didn't ask the price though. I hope that dolly comes with it; it looks pretty darn heavy.....That squirrel-cage blower looks like a real squirrel could fit in it.

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To the right: Yaesu's new just-approved-by-the-FCC VL-2000 amplifier. That's the power supply in the lower unit. Price: Yaesu sez to figure around \$10000.00 or so.

That puts it 2 grand more than Alpha's no-tune amp.

Whoever thought that we'd see the day when radio equipment costs as much as a new car?? If you think that's bad, take a look at the Icom stuff on **page 14**.

I guess a dollar just doesn't go as far as it used to.....





Here's a pair of beauties; the Rockwell-Collins KWM-380 on the left, and a National HRO-50 on the right, with a set of coils to go with it. As I was walking by, I saw the gent putting prices on them. \$3500 for the KWM-380. Needless to say, I kept on walkin'. Still, you don't see these very often, and it was really clean.

Below: Some antennas seen in the flea market. I believe the tower belongs to Icom. Either of these would be nice for a Field Day type operation.....Would look even better in my back yard holding up 2 elements on 40M.....





Above: A Dishtronix legal-limit amp seen inside one of the halls. Like I said earlier, a lot of amps this year at Dayton.....



Above: Some general views of the flea market on Friday. Yeah, there were some empty spaces, but I thought it was still pretty filled-up.

Left: Some antique keys seen in the flea market. These are seen at the guy's table what sells the Enigma machines. BTW: I bought that book you see at the lower left. I recommend it, especially if you like reading about radio history.

***Hamvention®
2011!***



Left: I see these 2 lugs just about every year at Dayton.....Fellow SCARC'ers Nate, W3SVJ, and Walt, KA3YNO.

Below: The K0XG way of rotating an antenna: Just rotate the entire tower.....

Hamvention® 2011!



Mid-left: A view of Audio Alley. W2IHY and Heil Sound were quite busy.....

Lower left: More antiques seen in the flea market on Friday.

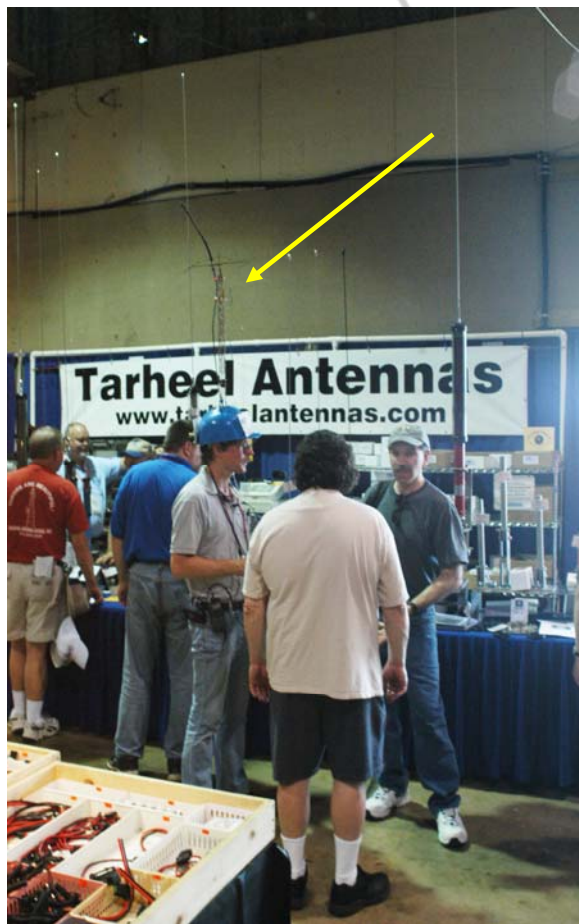
THINGS I DIDN'T SEE: A single police officer in Pa., WV, or Ohio on my way out.....ANY RAIN ALL WEEKEND!.....any ham plates or antennas on my trip over or back.



Above: I always like to see what the Enigma guy brings. This year he brought a Russian, and I believe, a Swiss machine. To the right is a German machine he found buried for like, 60 years. Notice that he has a price tag on it. I read that Winston Churchill ordered these destroyed using a hand-grenade INSIDE the machine. Looks like it worked on this one.....

Below: Some Hammarlund gear seen in the flea market on Friday.

Left: A Dayton fixture, my buddy with the hard-hat-with-the-tower-on-top was back.....(The arrow is pointing at it.)



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Right: Icom's IC-7600 HF/6M rig. This takes the place of the popular IC-756 PRO-III. I know of a lucky club member what bought one of these beauties this year at Dayton..... Enjoy your new radio, you lucky dog!!

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Left: Talk about not being able to see the forest for the trees.....I think every antenna manufacturer had something aluminum hanging inside Hara Arena. MFJ, Cushcraft, Hy-Gain, DX Engineering, SteppIR, Comet, Hustler, BuddiPole, did I miss anybody?? DX Engineering had a 65' vertical on display.....Price: **\$4400.00**.

Below: Elecraft's new KX3 transceiver. I originally thought that this was simply the control head. Turns out that I was wrong; this is the ENTIRE radio. As you see it, it's configured for 10W. If you wanna run 100W, you'll need the external PA amp. That's a little set of keyer paddles on the bottom of the rig. (My pics of the rig itself came out pretty crummy.....)

TENNNNNNN.....HUT! Dayton Roll-call: **W3SVJ, KA3YNO, WA3RVD, N3DXE, N3EQP, NU3S, W3MAC, A13J, AK3J, KT3L, NB3C, NU3Q, KB3ORO, N3UUZ.....** I think I got everybody I saw or heard that made the trip..... Sorry if I missed you.

Considering the price of gas, I thought a decent-sized crowd showed up.....And DARA held the line on ticket prices too: \$20.00 if you ordered on-line, \$25.00 at the door.....Same as the past few years.....



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All of the big dealers were there again; AES, HRO, R&L, Ham Station, Universal Radio. Also, all the big manufacturers were there too: Kenwood, Yaesu, Alinco, Ten-Tec, Icom, MFJ.....



Above and to the left: Some of the offerings from Ten-Tec. That's the Orion II above, and to the left is their new Eagle transceiver. Supposedly, it's a hot little radio with an excellent receiver. A good starter rig.

That Orion II sure looks a lot nicer now that Ten-Tec upgraded it with the color TFT display from the old blue mono-chrome display.....

No doubt about it: 'Bling' definitely sells radios.....It's an awesome rig though.....



Left: Icom's "Big 3". And I mean BIG. On the top shelf is the IC-7800 on the left, the IC-7700 to the right of it, and below the IC-7700 is the R-9500 receiver.

\$10000.00 for the 7800, \$6400.00 for the 7700, and \$13000.00 for the 9500. That's a grand total of.....uhhh.....**\$29400.00** folks. For **THREE RADIOS**. Serious money for some serious radio.

There's that 'bling' thing again.



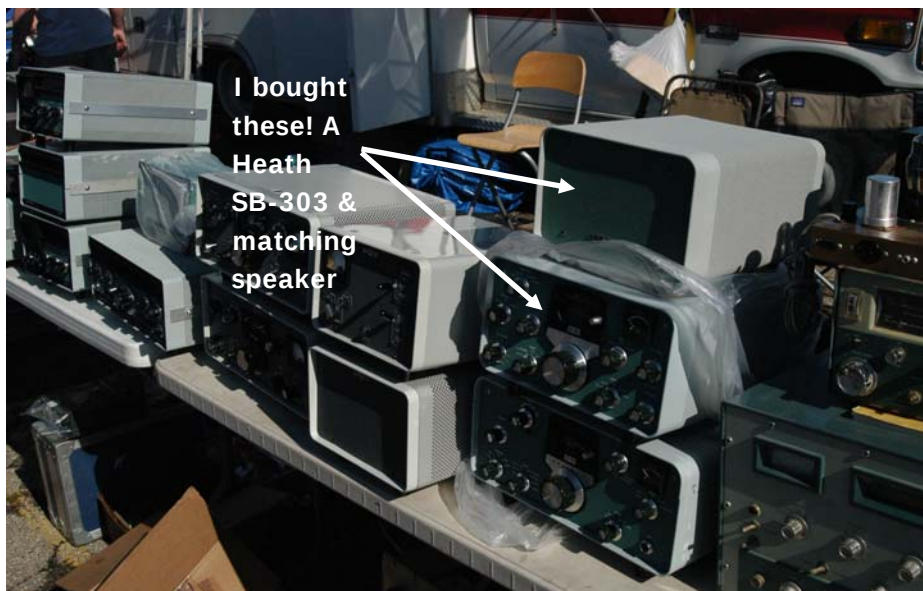
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Top left & right: The new MFJ QRP transceiver and the Ten-Tec version on the right. The MFJ-92XX is so new, it doesn't have a complete catalog # assigned to it yet (denoted by the black arrow).

Above middle: A view of the crowd in the flea-market on Friday.

Left: What the inside of a Palstar AT5K tuner looks like. "Built like a tank" is their motto. I think that is quite appropriate, don't you? I believe that is a cooling fan mounted on the top right rear panel. Impressive!



Gas was pretty cheap in Dayton. Just before I jumped on the highway to come home, I gassed up my car for \$3.699 a gallon.....Isn't it funny how \$3.699 is "cheap"??

The various local clubs were well represented this year: WASH, WACOM, SCARC, and NHARC all had members seen this year.....



This page: Just some views of the flea-market and some old boat-anchors on display/sale.

I'm glad that the owners of Hara Arena are keeping it up. Although it's old, it still serves its purpose well, at least as far as Hamvention® is concerned. I've seen it pretty run-down in the past. That wasn't the case this year. The price of gas and the general state of the economy kept enough people away; we certainly don't need a poorly maintained facility chasing more away.....

I won't even fathom a guess at the official attendance, although I will say a decent crowd showed up.

Some vendors that usually show did not this year. I noticed Sauder Electronics was not there. I hope they'll be at Breezeshooters this year. (They weren't.)



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Top left: The Hilberling PT-8000. German craftsmanship at it's finest. Still needs FCC approval though.

Top right: The MFJ-266 antenna analyzer. I believe that gentleman in the picture is the original 'MFJ', Mr. Martin E. Jue, K5FLU.

Mid left: Yaesu's impressive satellite rotors, along with the FT-817 and FT-857.

Bottom left: the Icom IC-7700 HF rig. A little more bang-for-the-buck than the 7600, but a little less than the 7800.





Left & below: I was in boat-anchor heaven in the flea market this year. Hammarlund, Heath, National, Collins, Harvey-Wells, Johnson Viking, Hallicrafters.....As a matter of fact I walked out with a CLEAN Heathkit SB-303 receiver.....

Ain't it grand that we live within 4 or 5 hours driving distance of Dayton, so we can avail ourselves of the sights and sounds of Hamvention®?? If you've never been there before, I have one word for you: [GO](#)!! You shan't regret it.

Below: Yaesu's FTDX-9000. You have to see this beauty in person to appreciate it. It's been in production since '04. That's gotta say something about its popularity.



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Left: The Icom IC-7410 (left) and the IC-9100 (right). The IC-9100 can operate on 1296MHz, as well as D-STAR with the OPTIONAL modules.

You know, it's funny. I never saw the 7410 coming. I saw brochures on the 9100, but nothing on the 7410. It just showed up all of a sudden.....



Left: A sea of moving people in the main arena on Saturday. Friday was pretty busy too.....

Middle left: A view of one of the halls on Saturday. Once again, a sea of moving people.....

Lower left: A sampling of some antique keys. I saw these next to the Vibroplex booth.



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Above: The smart way to do Hamvention®: From an electric wheelchair. Let the wheels do the rollin' instead of your feet doin' the walkin'. That's N3EQP enjoying the ride.....



More Emtron amps. The DX-2SP on the left, and the DX-1D on the right.



Hamvention® 2011!

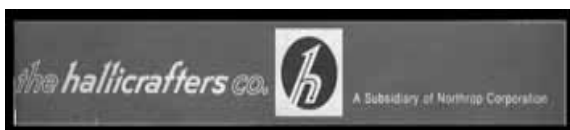
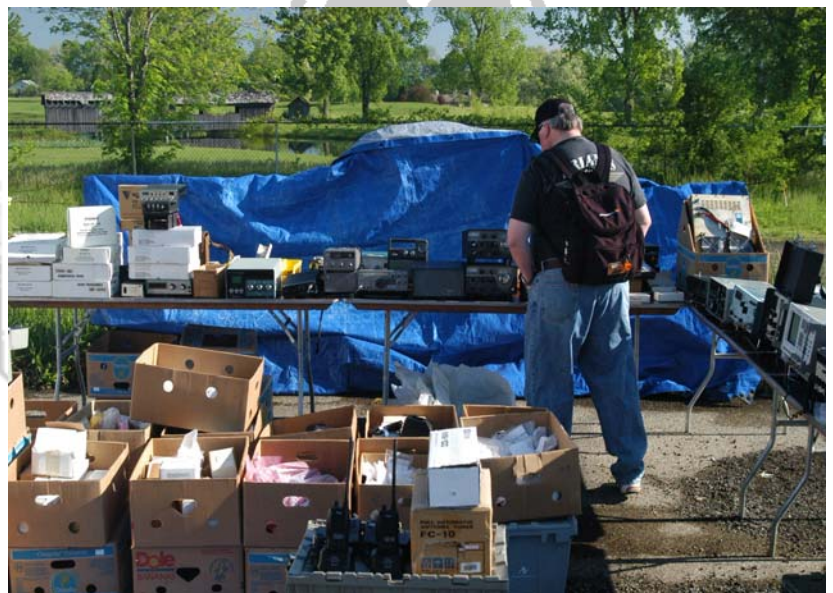
Left: The Kenwood TS-590. Rumor has it that Kenwood is planning a return to the “big-box” style of radio, sometime in 2012. All I know is the price will be a 5 digit one.....Time will tell if the rumors are true.



Middle left: The Winradio display. This is an SDR radio, run entirely from your PC or laptop. Pretty impressive stuff.

Below: A view in the flea market on Friday. Boxes and tubs full of junk or treasures, depending on your point of view.....

It was so nice on Friday, that I actually got a little sunburn on the back of me neck.....



The BIKER GUYS from STEEL CITY ARC partake in the HAMEVENTION pilgrimage.

Hamvention® 2011!



Al, NU3S and Marc, AI3J and their well-equipped "BEEHMER" bikes. Prior to the HAMVENTION® there was the ritual Thursday afternoon visit to the U.S. Air Force museum where they met up with Walt, KA3YNO and me (W3SVJ). Note the partial view of the antennas. These guys are wired from the broadcast band to the XM satellite music programming as well their two meter "intercom" link. Well connected indeed. Al tells me he has been to the Dayton HAMVENTION® at least **31 years straight!** If not a record it's a darned good average! Life is truly good in the fast (even in the *almost* fast) lane. 73 de W3SVJ, who has set no records in any lanes.



Above: Some nice looking Drakes: 2ea. R4Cs, and an SPR-4 SWL receiver.



Above: Ten-Tec's Centurion amplifier, and their high-power tuner, the 238C.



Luso had their tower display, just like they have the past few years. This particular specimen was painted in alternating red & white colors. I'm still awed by the size of this thing.....

Nothing on this tower is small.

Pics on this page are courtesy of and ©2011 N3EQP.



Hamvention® 2011!

I saw this guy walkin' around inside on Saturday. He was a pretty popular exhibit in his own right. I feel sorry for him though, as hot as it was. I seriously doubt that this was a FUNCTIONING suit, complete with air conditioning.....





Hamvention® 2011!

Top left: Some Daiwa/Comet SWR meters seen in the main arena.

Top right: The popular IC-7000 by Icom. A good way to go mobile. Also makes a great starter radio for those just entering the hobby.

I noticed that they didn't have rent-a-cops like they did in years past. I believe it was an all-volunteer event. They certainly were friendly enough though.....



The end of another Hamvention®. Hope you enjoyed the picture show. I'll be sure and go back next year and document my findings for you. No no, there's no need to thank me, it's my pleasure! 73 de NB3C.....

W3SVJ's goodies.....

SCARCers involved with the 2011 Pittsburgh Marathon all received this note (reprinted below) from Jeff, N3NHS. Thanks to "mail merge" and it's cousins, THEY ALL had the proper salutations to the wonderful hams who participated in the successful event.

Allowing that I can't remember today's breakfast please excuse any omissions and/or errors. In no particular order follows your fellow members of SCARC who were active in the operation. Sue, KA3JKS; Carol, KB3GMN; Joyce, KB3ORO; Doc, KT3L; Ritchie, N3SBF; John, N3EQP; Dale, WB3CRC and me, W3SVJ. (Who did I leave out?) The "radio boss" for this activity was Mike, WA3PYU who was wearing a bandolier of radios to keep track of things on our bands. I didn't realize how many places one could stick an "ear bud"; it looked somewhat painful but Boss Mike stayed the course and kept us focused. There were 110 ham radio ops, five primary and three back up repeaters volunteered by their owners for this operation. All ham gear was hauled in, set up, and taken down by us operators. That's a lot of gear to be transported, set up and skillfully used; excellent!

We "done good" this time (again) with a magnitude increase of responsibilities and technological capabilities from the first PITTSBURGH MARATHON and our participating in its humble start in 1985! 73 de W3SVJ. (SEE PICTURE OF W3SVJ/WA3PYU ON PG 28.)

Dear Nathan S. Firestone W3SVJ;

Once again, the Pittsburgh Marathon has been a resounding success, and as always, Amateur Radio has been an important part of this event. This was another record-breaking year for the marathon, with over 18,000 participants. We had some rain, but the weather was mostly cooperative, in contrast to the heat and storms of the preceding week.

Our own operation went quite smoothly this year. We cut back our support for general marathon operations, allowing us to concentrate instead on supporting the medical staff. As a result, despite a decrease in the total number of hams participating (primarily due to the unusual date), we were able to more effectively cover the race course. In addition, by moving bicycle and sweep bus communications to the miles net, we were able to divide the aid stations between two frequencies, resulting in a less crowded net and providing us with a backup should one of the repeaters fail.

The medical staff informs me that they treated a total of 253 runners, volunteers, and spectators during the course of the day. Amateur radio was a key element in tracking those patients and making sure they got the care they needed, monitoring conditions on the course, and making sure everyone had a safe and enjoyable event. Nathan, you were an important part of this effort, and we could not have done it without you. Thank you for your contribution at Net - Aid.

Nathan, thanks again for your participation in this year's event, and for helping to make it a success. I look forward to seeing you again at next year's event, which will return to its normal week on Sunday, May 6, 2012. 73, Jeffrey Hutzelman, N3NHS.



OUTSIDE THE BRICK AND MORTAR

Welcome to summer fellow SCARCers. I'm not sure what happened to spring but here we are. Looking over the Club's "north forty" which isn't particularly north and certainly not 40, I'm pleased to see the results of our "AGENT PINK" operations last fall. One can't help but notice the browning out of some of the more nasty foliage. As you come to the crest of the boulevard, about fifty feet from the transformer pole, there isn't much left of the barberry bushes. The surveyor pole indicating the north-west corner of the plot is now readily visible. As the recognized "AGENT PINK" practitioner of SCARC I recommend that we continue on with the application. I would like to go further along all of the property lines to establish a clearer line of demarcation between "us and them." And, getting rid of pesky poison ivy and other agitating foliage would be a good idea anyway to keep our field works healthy and happy. I have all the dispensing hardware from last season so at this point all I need is funding of about 160 bucks for the "AGENT PINK" chemistry. Along those lines but not yet necessary to act on IMMEDIATELY, would be a way to dispose of all of the brown out foliage as well as the tree cuttings. Keep in mind for action in a few months, that it might be necessary for the rental of a shredder/chipper machine for a day from one of the big box stores or their equivalent. I think the charge for those types of machines as well as the fuel should come in under two hundred dollars. That activity might require some additional minimum wage or indentured labor. More on that later. Something to think about for the June meeting and then a few months down the road when we get a bit more organized. 73 de W3SVJ.

Local events needing our support

- ⇒ Breezeshooters Hamfest, June 5. Butler Farm Show Grounds, Route 68, Butler.
 - ⇒ Tour de Cure bike ride. Sunday June 26. See [page 4](#) for more info.
- ⇒ Pgh Vintage GP: July 23/24 (Schenley Park race weekend). Corky, N3MJP is the contact man for this detail and you can reach him at 724-217-5458.
- ⇒ NHARC Hamfest, July 10. NEW VENUE: West View VFW, 386 Perry Highway, Pittsburgh 15201.
- ⇒ Somerset County ARC Hamfest, July 17 @ the Somerset Technology Center. www.k3smt.org
- ⇒ Skyview Hamfest, August 28. ARRL WPA Section convention @ the clubhouse grounds. www.skyviewradio.net
- ⇒ Uniontown ARC GabFest, September 3rd, @ the Uniontown ARC clubhouse grounds. www.w3pie.org
- ⇒ Butler County ARC HamFest, September 11 @Unionville Fire Hall on Route 8 north of Butler. 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
- ⇒ ARRL Western PA. SET, October 29?? I'll confirm date ASAP.

I'll confirm dates as we get closer to each event. Send any corrections & additions to me: KQ3DX@hotmail.com

SCARC Swap 'n Shop

rotator on a W-51, free standing, 3 section crank up tower with an electric winch. I want to take it down and need help in so doing. It is next to the house and, when nested, the antenna and rotator is at the roof level of about 25 ft. Those that help can have a free antenna system so long as they take it away. I can no longer care for this large system. Contact WA3FWA, Joe if interested." His contact info is on [page 2](#).

FOR SALE:

300' of Belden 9913 coaxial cable, NEW. Price: \$250.00. Also available is a Array Solutions K9AY 4 position receiving antenna with approximately 100' of coax and control cable. Price: \$300.00. If interested, shoot Frank, N3ZOM an E-Mail at: N3ZOM@comcast.net.

The Steel City ARC wishes to extend its sympathies to the family and friends of Jack Engel, W3UUH, who passed away peacefully on June 3rd. His funeral was held on Friday, June 10, and will be laid to rest at Calvary Cemetery, where his wife, Mary Grace is interred. He has been with SCARC since the beginning, with member number 5 having been assigned to him. You can sign the online guest book in both the Post-Gazette and the Tribune-Review. Click on the following links below:

<<http://www.legacy.com/guestbook/postgazette/guestbook.aspx?n=john-engel&pid=151515073&cid=gbsrchres>>
 <<http://www.livingtributes.com/cobr/pittsburghlive/guestbook.php?action=signgb&memid=100242757<id=1031>>

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

AA3EE DAVE
 AB3KD JAY
 AE3JM JASON
 AI3J MARK
 AK3J STEW
 DC3RJ JUERGEN
 K3GJS HARRY
 K3JHT JOHN
 K3LAB DOUG
 K3RYA BILL
 KA3JKS SUE
 KA3LIW DEAN
 KA3MSE LLOYD
 KA3MXQ ALAN
 KA3YNO WALT
 KB3GMN CAROL
 KB3LY ELLIOT
 KB3NZX BOB
 KB3ORO JOYCE
 KB3PNE COLIN
 KB3RUK JIM
 KB3SVF GARY
 KB3VHT JOHN
 KT3L DOC
 N3DQ DELLA
 N3DXE BILL
 N3EKL JOHN
 N3EQP JOHN
 N3EVM BOB
 N3GHI BRUCE
 N3GHO GLORIA
 N3SAF LEE
 N3SBF RITCHIE
 N3UUZ 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
 WA8NLX RICK
 WB3AGB JOE
 WB3CRC DALE
 WB3HDI BOB
 WQ3T DAVID

The Steel City ARC Roster (June 2011)

QSL via.....

CALL	MANAGER	CALL	MANAGER	CALL	MANAGER	CALL	MANAGER	CALL	MANAGER
3A2DL	pirate	EH3FCB	EA3LD	OZ2SPACE	OZ7AKT	C08LY	EA7ADH	NH2T	W2YC
3A2IM	pirate	EH5EPC	EA5FL	P33W	UA3DX	CQ3A	CT3KN	NH7A	F5VHJ
3A5DG	3A2LS	EK3GM	IK2QPR	P40W	N2MM	CR2X	OH2BH	NP2/OL5Y	OK1FUA
3D2XD	JA1XGI	EM2G	UR7GO	P49Y	AE6Y	CR3L	DJ6QT	NP4A	W3HNK
3G1R	CE1RKV	EM44U	UT7UT	PA30BR	PA1BR	CR55PQ	CT1EHX	NP4Z	N4AO
3G3A	XQ4CW	EM5UCC	UY5ZZ	PC11AMBER	PA0FAW	CR5WFF	CT1EJB	OG0Z	W0MM
3W2N	WQ2N	EN5Z00	UT5ZY	PI35EDE	PI4EDE	CR6K	CT1ILT	OG2B	OH2BH
4L0A	EA7FTR	ER4A	RA4LW	PJ2LS	EB7DX	CS2C	OK1RF	OH0X	OH2TA
4L1AMM	DL8KAC	EW6GF	DL8KAC	PJ4A	K4BAI	CS2HD	CT2FPE	OH2IPA	OH4MDY
4L1UN	EA7FTR	EX2X	EA5KB	PP0T	EB7DX	CW5W	CX6VM	OH4A	OH6LI
4L4ZA	DJ1CW	FM5CD	F5VU	PR3A	PY30Z	CX5TR	EA5KB	OH5Z	OH5LIZ
4L50	N3SL	FM5WD	W3HNK	PS2T	K3TRV	CX7CO	WB3CDX	OK8YM	DL5YM
4M1W	IT9DAA	F0BRZ	F8BPN	PT2CM	PR7JP	D2QV	UT0EA	OL3Z	OK1HMP
5B/US7IDX	RN3Q0	FY8DK	F5TJP	PW2D	M0OXO	D2SG	GM4FDM	OL4A	OK1DSX
5B4AIA	UA6MF	G5D	G3UJE	PW7T	PT7WA	D73A	HL1IWD	OL7C	OK1KVK
5B4AJC	UA3DX	G5W	G3BJ	PX2W	PY2YU	DA0CW/p	DL7RAG	OL7D	OK1TD
5F6SIA	G5XW	GB1C	G0VXC	PY2MTV	M0OXO	DF0DLFF	DL7AFS	OL8M	OK1DRQ
5K3W	HK3W	GB2C	M0R8G	RG3K	UA3QDX	DK0EPC	DK5UR	OM5X	OM5XX
5P5L	DD2ML	GB2HI	M0OXO	RG9A	UA9APA	DK150RB	DL1SBF	OM7M	OM3PA
5Q2T	OZ0J	GB4C	M0DOL	RL3A	W3HNK	DL0DFF	DL3HBZ	UX4U	US7UX
5R8FU	SM5DJZ	GB4GEO	G0TQT	RU1A	RU1AE	DQ1175E	DL5DCL	UY4I	US3IZ
5R8KS	IZ8IYX	GB5C	GM0BKC	RV2FW/1	UA1A	DQ4W	DK9TN	UZ0U	UY5ZZ
5Z4KI	Y09AFH	GB6GEO	G3VOF	RY9C	UA9CGA	DR1A	DL6FBL	UZ2M	US0LW
7Z1HL	DJ9ZB	GB8C	M0NNH	SD40JZ	SM5DJZ	DR4A	DJ9KM	UZ5I	UY6IM
9A16PB	9A2MF	GC4KPT	M0DOL	SD7V/2	DL2VFR	E711AMRS	OE4RGC	V26E	AB2E
9A1GEO	9A2MF	GD300K	M0URX	SD7V/3	DL2VFR	E73Y	E73Y	V31XB	VE2XB
9A40Y	9A7W	GX4HRC	G3SVK	SE0X	SM0MDG	E77A	9A2AA	V84SGR	V8MVE
9A6XX	KU5B	HG0R	HA0NAR	SK3W	SM5DJZ	E7DX	E77E	VC2CQ85	VE2CQ
9H3HT	SQ9HHT	HG1A	HA1ZN	SN0AK	SP7PFD	ED3T	EA3AKY	VE2CSI	M0URX
9H3LL	SQ9MLL	HG3R	HA3NU	SN0G	SP5PRF	ED5W	EA5DWS	VK9CI	VK6YS
9H3UT	DL9GDB	HG6N	HA6KNB	SN2B	SP3CGK	ED8A	EA8AY	VP5CW	W5CW
9M2/GM4YXI	N3SL	HG7T	HA7TM	SN3A	SP3GEM	EF1A	EA1XT	VP9HE	W2AF
9M2/KM9D	OM2SA	HI3TT	ON4IQ	SN3R	SP6HEQ	EF7X	EA7GYS	WH2D	K3UOC
9M2ADX	JH8PHT	HK1NA	EA5KB	SN7Q	SP7GIQ	EF8M	UA3DX	WH7M	K1YR
9M2CNC	G4ZFE	HK1X	EA7FTR	SN8R	SP80NZ	EG3VFE	EA3KN	WP2/OL0A	OK1CZ
9M2TO	JA0DMV	HK6AAY	EA5KB	SP9YFF	SQ9IDG	EG5TSL	EA5HRE	XU7ACY	W2EN
9M4SJM	9W2KNZ	HP1/IQ6CC	IZ4SUC	SX1L	DL1JCZ	EG7FAS	EA4FAS	XU7TZG	ON7PP
9N7AK	K0YAK	HQ9R	K5WW	SX8V	SV1JG	EG8FAS	EA4FAS	XV1X	OK1DO
9V1YC	W5UE	HR9/WQ7R	K5WW	SZ7XAN	SV7FSK	EG8GOM	EA8D0	YL0Y	YL2GQT
A61LL	EA5ZD	HS7AT	E21IZC	TA2ZAF	OK1TN	EG8LPM	EA8D0	YL6W	YL2GD
A65CA	RV6AJJ	HZ1FI	DL2RMC	TC100HKK	TA1HZ	EG8LZT	EA8D0	YP6WFF	Y06KSU
A71EM	EA7FTR	IB3X	IV3ZXQ	TC7VLH	TA1HZ	EG8TFE	EA8D0	YQ6A	Y06BHN
A73A	EA7FTR	II0CC	IZ4SUC	TF8SM	N15DX	KH4/W5FJG	N7R0	YQ9W	Y09WF
AH0BT	7L1FPU	II1CC	IZ4SUC	TJ3AY	F5LGE	KH6/K80Q	I0ZY	YR1C	Y04NA
AM0MFA	EA7URM	II1IFF	IZ1POA	TM0Z	F5E0T	KH6/KC0TEA	I0MWI	YR9F	Y09FNP
A06CHI	EA6SB	II2BP	IZ1ANZ	TM190NB	F4GFE	KH7X	K2PF	YT0Z	YU1ZZ
AY5D	LU7EO	II5CC	IZ4SUC	TM24H	F6KFI	KL3/AB8CK	UA3AGW	YV200D	YV1DIG
B1Z	EA7FTR	II6BM	IZ6BUV	TM28RT	F5KIN	KL7J	N3SL	YV9AA	YV5AJ
B5A	BA5AG	II9T	IT9ESW	TM6JUN	F5SAZ	KP2/AA1TR	OK1CZ	YW200T	YV5JBI
B7P	BD7IXG	I02UDI	IQ2LZ	TM6M	F4DXW	KP2B	K2DER	YW4D	EA7JX
BY4DX	BD4HF	I04T	IZ4JMA	TM6X	F5VHY	KP2M	AT4U	Z21LS	DE1ZHB
BY5CD	BD4HF	IP7U	IK7JWY	TM90RCNF	F8KKH	KP4JRS	EA7FTR	Z35X	DJ0LZ
C4N	W3HNK	IR1Y	IK1YDB	TM95BV	F6KUP	KP4MS	W4DN	ZF1A	K6AM
C6ABR	OH2BR	IR3WFF	IW3ILM	T08A	R5GA	LN8W	LA9VDA	ZF2NE	W5ASP
C6AWL	RX3RC	IR4X	I4EAT	TT8PK	F4EGS	LS1D	LW9E0C	ZL2J	ZL2JX
CA3A	XQ4CW	IR9Y	IT9ABY	UA2F	DK4VW	LU8YE/Y	EA7FTR	ZM3T	ZL3TE
CA3KHZ	EA5KB	J25DXA	F8DFP	UA2FL	RN3RQ	LX7I	LX2A	ZP6CW	ZP6CU
CN2RN	F8FGU	J48HW	HA0HW	UA5A	UA3DX	LZ1016WIW	LZ1KZA	ZX2F	PY2FN
CN8KD	EA5XX	J71W	NX4N	UN6GK	EA7FTR	LZ44WFF	LZ1ZF	ZX2UEB	PT20P
CN8QN	EA7FTR	J79FCG	K1TO	UP2L	UA9AB	LZ5R	LZ1YQ	ZX5J	AI4U
CN8VO	EA7FTR	J7A	NX4N	UP4L	UN7LZ	LZ855SRKM	LZ1KZA		
C02JD	AD4Z	JW1KH	LA1KH	UP5P	UN7PL	LZ9W	LZ1PM		
C04SM	HA3JB	K1C	K1NIU	UP6P	UN7PBY	M3I	G0ORH		
C06CAC	EA5KB	K6VVA/6	N6AWD	UQ6EPC	UN6QC	M7A	M0NRC		
C06WD	8P9NX	K6VVA/VE7	N6AWD	UW5U	UY2UA	MD2C	MD0CCE		

Continued on next
page.....

QSL via.....(from page 26)

4U1ITU International Amateur Radio Club, P.O. Box 6, Geneva 20, 1211 Switzerland
DL2VFR Enrico Stumpf-Siering, Hinter den Hoefen 4, 27305 Suestedt, Germany
F5EOT Michel Batbie, 5 chemin du Brulis, 33610 Cestas, France
F5LGE Rene Courgibet, 13 ruelle Crepion, 51240 St Germain La Ville, France
IZ8IYX Pasquale La Gamba, Via Affaccio 68, 89900 Vibo Valentia VV, Italy
KG6DX Joel E. Chalmers, 279 Gardenia Ave, Latte Heights GU 96923, USA
N6AWD Fred K. Stenger, 6000 Hesketh Dr., Bakersfield CA 93309, USA
OM2SA Juraj Sipos, P.O. Box 29, 946 03 Kolarovo, Slovak Republic
PJ4LS Hans van Hese, Kaya Berilo 20, Bonaire, Dutch Caribbean
PZ5RA Ramon Kaersenhout, P.O. Box 745, Paramaribo, Suriname
T70A A.R.R.S.M. Radio Club, Casella Postale 77, 47890 San Marino, Repubblica di San Marino
TL0A Christian Saint-Arroman, Chemin de Mousteguy, 64990 Urcuit, France
VK3EI Lino J. Rizio, 103 Surrey Rd, Blackburn North VIC 3130, Australia
VK6YS Wally Gelok, P.O. Box 1009, Booragoon WA 6954, Australia
W9IMS Indianapolis Motor Speedway Amateur Radio Club, P.O. Box 30954, Indianapolis IN 46230, USA
ZC4LI Steve Hodgson, 4 Nikolau Michael Street, 5523 Dasaki Achnas, Cyprus

3W7W via W3HNK
4F9HXB via DL5SDF
4J3M via DL7EDH (direct only)
4L1AMM via DL8KAC
4L4ZA via DJ1CW
4O/S59AA via S59AA
5P4F via OZ4FF
5P5L via DD2ML
5P7XJ via OZ7XJ
6W/RK4FF via RK4FF
7S6W via SM6MIS
8P6JQ via K9JJR
8S0ITU via SK0CC
9M2/GM4YXI via N3SL
A6/DL9WVM via DL9WVM
A65BG via PA7FM
AN7ITU via EA7NL
AX7GN via VK7GN
BY1/OD5LN via OD5VR
C6ABR via OH2BR

CR55PQ via CT1EHX
CS2HD via CT2FPE
CT3FQ via CT3KN
CT9/OM7JG via OM7JG
CU3DX via CU3EJ
CV5K via CX2ABC
DL/HB9SVT via HB9SVT
DL0BFF via DH9VA
DL1THM/C6A via DL1THM
E70WFF via E77E
EA7/G1WUU via G1WUU (QSL only)
ED8RCP via EA8RCP
EF7ABV via EC7ABV
EF8ADW via EC8ADW
EG1EMB via EB1CC
EG5TSL via EA5HRE
EM150CK via UR4CZZ
GB2LST via M0XIG
HB0/DL1GBM/M via DL1GBM

HB9/ON6VOX via ON6VOX
HB9SOLAR via HB9ACA
HK6AAY via EA5KB
IE9Z via IT9TFX
IR3WFF via IW3ILM
IR50NU via I5KKW
J25DXA via F8DFP
J79FCG via K1TO
JW1RCC via LA1RCC
KL3/AB8CK via UA3AGW
LU/IW7EHC via IW7EHC
LU9MAK via LU1MA
LX0SAR via DK4XC
LZ44WFF via LZ1ZF
LZ44WFF via LZ1ZF
OH/IK2JYT/P via IK2JYT
OJ0W via OH3WS
OK/SQ5GLB via SQ5GLB
OP7V via ON7VA

OY/PA0VHA via PA0VHA
OY/PA2A via PA2A
OZ/DF7MR via DF7MR
OZ/DM3KF via DM3KF
OZ/DM3VA via DM3VA
OZ/DM7DX via DM7DX
OZ/HB9ASB via HB9ASB
P4/W1XP via W1XP
P29CS via M0URX
PA55DLZA via PD1EVL
RV2FW/1 via UA1A
SG70NA via OK10NA
SM7/OK1JAX via OK1JAX
ST2BY via BA1AI
SU9VB via UA4WHX
SV0XCA/5 via LZ1WL (Bureau)
SV0XCC/9 via LZ1YE
SV5/DL6NBR via DL6NBR
SV8/PA0PMD via PA0PMD
SV8/SV1JG via SV1JG
SV9/OK1AMM/P via OK1AMM

SX5F via SV1HER
T32TV via KH6CG
TC7VLH via TA1HZ
TC130ATA via TA1HZ
TE8X via TI5AA
TM22P via F4EUG
TM28RT via F5KIN
TM38I via F5NEH
UK8IWA via RW6HS (direct)
UP50ASTR via EA7FTR
V84SFD via V85TL
VE2CSI via M0URX
VP5/W5CW via W5CW
VP9HE via W2AF
WU1ITU via KA1R
YP2011CS via Y02LXB
YR30DP via Y08AXP
YW200T via YV5JBI
ZS1/RZ6DD via RZ6DD
ZW1ITA via PY-Bureau
ZX2UEB via PT20P

⇒ **QSL 3A/I1RBJ via F/I1RBJ:** GianCarlo Paul Bavassano, 24 rue Sainte Brigitte, 83440 Montauroux, France. Activity was on May 26th only from F1 Monaco Grand Prix paddock.

⇒ **CY0 QSL STATUS:** Randy, N0TG, reports, "Yes, CY0 QSLs are being sent out everyday. I am limited on time to process due to family medical care- provider responsibilities, but everyday progress is made. If anyone has a truly 'urgent' need, let me know via E-mail. LoTW later." NOT THE QSL MANAGER. Bill, W9OL, reports that he still continues to receive QSL cards for Adrian, YO3APJ. He states, "I do not have logs for YO3APJ, nor authorization to confirm his QSOs. I've posted/informed many of the QSL Manager lists, but I still get QSLs for Adrian via the Bureau which I forward to him." Adrian, YO3APJ, assumed his own QSLing a few years back.

⇒ **P40L NEW QSL MANAGER:** Erik, K5WW, reports, "Now that P40L is active again I am getting QSL requests and E-mails for/about both old and fairly new QSOs. I haven't been P40L's QSL Manager in a number of years. Those QSL requests will be returned, and the E-mails will be replied to; but please note that the current QSL Manager is WA3FRP." PLEASE see details at: <<http://www.qrz.com/db/p40l>>.

⇒ **TJ9PF QSL STATUS:** Maurice, F5NQL, reports, "The QSL cards for the latest TJ9PF activity in Kibri, Cameroon, - February 10-20th, 2011, by the Provins ARC F6KOP team are printed. QSL Manager, Didier, F5OGL, is expecting to get them this week, from the printer. We ask all of you who asked for direct QSL cards, to have a little patience. The labels are printed and the French stamps are purchased; they are ready to be put on the cards and envelopes. So, the first batch will be mailed very soon. It's useless to renew your cards requests, please don't. By the way, know that, as usually for all F6KOP's Xpeditions, the upload on LoTW, is scheduled when all the direct cards and the first Bureau batches have been answered, so allow us some months."

⇒ **VP8ORK QSL UPDATE:** (Also, VP8ORK Vibroplex Key on Ebay). Don, N1DG, reports that he mailing another 750 cards from VP8ORK OQRS. He states, "The VP8ORK is raising money by selling an autographed key used on South Orkney on ebay: <<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=300561705580>>. "Own an autographed piece of history and help support the team."

⇒ **QSL RECEIVED VIA LoTW:** 5V7XO, 5W0IR, 7Q7AA, AH0/AB2RF, CX2TG, DL5DF, EX8AB, G0TYS, JA1BOQ, NK31R, RA4HL, SM2EKM, T31AZ, SM2GQC, UA6GR and VP61R QSLs RECEIVED VIA MAIL: 3D2A, 4A0IARU, 4O3A, 5H1HS, 5H0RS, 5K3W, 5M2TT, 5R8HL, 5X1NH, 9H4JX, 9L0W, 9N7AN, 9N7DX, 9N7JO, 9V1YC, A92GR, CE9/PA3EXX, CE9/VE3LYC, CO6CAC, CO6WR, CW3TD, CW5W, D2SG, DU1IST, E21EJC, EA6BH, EA6LP, EA9EU, EA9PY, EK7DX, ER3MM, FP5BZ, GJ4CBQ, GM4NFC, HC2AQ, HH4/AF4Z, HK6K, HS0ZCW, IS0HQJ, J5NAR, JT5DX, K6VVA/6, KC4QYG, KF6ZWD/H2, KG4WV, LA6Q, NH0J, OA4TT, OY1CT, P29NI, PJ2/DL6LAU, PJ2/K6AM, PJ2MI, PJ2T, PJ7/K7GSJ, PJ7DX, R1ANH, R11ANC, R11FJ, S9DX, SV2ASP/A, SV5/IK2WZD, T30AQ, T32TV, TC3WFF, TJ3AY, TJ3FC, TT8DX, V31TP, V51KC, V55DLH, V73E, V85/9M6XRO, V85TL, VI9NI, VP8ORK, VR2UW, VU2PAI, VU4PB, VY0X, XR0ZA, XV2RZ, ZA3HA, ZD9AH, ZD9T and ZL8X

⇒ **QSLs RECEIVED VIA THE BUREAU:** 3B9WR, 4U1ITU, 7Y3HM, 9K47NLD, A03DMR, A45WD, C21YL, CR3L, DD5AJ, DF2UD, DF3EH, DG0HP, DH0EAV, DH5JG, DK3GI, DK4REX, DP1POL, DL0RO, DL1EST, DL3YEE, DL5JEE, EA8UP, EK6LP, EZ3A, FM5KC, J7DM, JA0JHA, K2XA, ON4UN, OZ5THY/P, TF3AO, UA6LFQ, UP2L, VK7RO and VY2TT

QSL information appears here courtesy of the 425 DX News, and the Ohio/Penn DX Bulletin (KB8NW/OPDX/BARF80). Many thanks to these 2 fine groups for allowing me to reprint this information here.

Southern Sudan update

by Martti Laine, OH2BH

With great anticipation, DXers the world over are looking forward to the 9th of July this year as the predicted day of Southern Sudan's declaration of independence. Indeed, that declaration is set to happen, but it will not yet guarantee the birth of a new DXCC entity, at least at that time.

The DXCC rules are written in such a way that only a new country's membership in the United Nations and/or its ITU country prefix will result in the anticipated DXCC counter. The U.S. State Department Geographer's list of Dependencies and Areas of Special Sovereignty obviously does not apply in this case.

The opinion from the ARRL is that no exceptions will be made in this case. They state that the event date - i.e. declaration of independence - will not cause potential QSOs to be counted retroactively. Rather, Newington categorically assumes that U.N. membership, which will most likely come first, followed by the release of an ITU prefix by the U.N. telecommunications agency, will lead to country status.

The prospect of a new country has taken an unexpected turn just recently. The country's borderline has never been settled between North and South Sudan in the area (Abyei) where most of the oil reserves are located. It was agreed under the 2005 Peace Agreement that the border issue will be resolved by the people in that province. A referendum to settle the matter has not happened. Instead, the North (ST2) has entered the disputed province with force. Additionally, the North has stated that they will not support an independent State in the south unless the contested region is theirs. The matter now remains totally in limbo. <<http://www.bbc.co.uk/news/world-13560829>>

While the amateur radio project announced earlier this year by 5Z4DZ, ST2AR, W3UR and OH2BH is well underway, it is not yet reasonable to swing your antennas toward Southern Sudan, as we speak. The project has two well-known DXers now permanently based in Southern Sudan: SM7PKK and Y11DZ/ST2DZ. The knowledge and the professional presence are in place to proceed with an immediate activation as soon as the above country status matters are resolved.

More news to follow. (((73))) Jarmo OH2BN

Southern Sudan (part 2)

The Intrepid-DX Group and the DX Friends/Tifariti Gang continues to move forward with our plans to activate the new country of Southern Sudan with a large multi-national DXpedition.

We have held several successful meetings with representatives of the Government of Southern Sudan. We have been issued an amateur radio license for the purpose of this DXpedition. The Government of Southern Sudan is very supportive of our plans to visit Juba and to help them celebrate the birth of their new country.

The Government of Southern Sudan will declare their independence from Sudan on July 9th, 2011. They have applied to the UN for admission as a member state. The UN General Assembly and Security Council will vote on the matter in the weeks following the declaration of independence.

While there have been attacks and fighting in the disputed border region of Abyei, these issues are not expected to derail the emergence of this new country.

We plan to be in the new capital of Juba and to be ready to start our DXpedition upon admission by the UN. We will have 18 operators operating 24X7 on seven active stations.

At this time, we are seeking Foundation, Club and Individual Sponsors to help us defray the costs of carrying out this DXpedition.

Our official website is: <<http://www.dxfriends.com/SouthernSudan2011/>>

Thank you,
The Intrepid-DX Group and The DX Friends.

<<http://www.dxfriends.com/>>

<<http://www.intrepid-dx.com/>>



YE OLDE EDITOR'S NOTE: THE BOTTOM LINE? WORK FIRST WORRY LATER!!

The Ed sez.....

Well, time is flyin' by at an incredible rate. Dayton, which I look forward to starting in April is here & gone. As I write this, Breezeshooters is less than 24 hours away! At the end of the month on June 25-26 is ARRL Field Day. **YES, WE WILL BE UP AND RUNNING IN THE VHF ROOM FOR IT.** Then, July is just as busy. Not only do we have 'sister-SCARC's' hamfest (Somerset ARC), we also have the North Hills ARC hamfest! Pile on top of that the Pittsburgh Vintage Grand Prix, and we'll be doing some serious hopping around. If you've never done a public-service event like this, I can highly recommend this one! Front row seat, great weather (usually), and the camaraderie of your fellow hams. A great way to learn new skills and have a good time doing it! If you're interested, all the contact info is on **page 25**.

The VHF Studio is oh-so-close to completion. We will have it on-line for the Field Day soiree. You know, everybody has something that they're good at. Drywall, painting, electrical, plumbing, even just pushing a vacuum cleaner around! Bottom line: You've got skills that can be put to good use at the club! If the same 5 or 6 guys are the only ones showing up to do all the work, progress is gonna be mighty slow. Please consider volunteering your skills to improve YOUR club. Remember, don't complain about the slowness of work progression if you don't volunteer to help move it along!

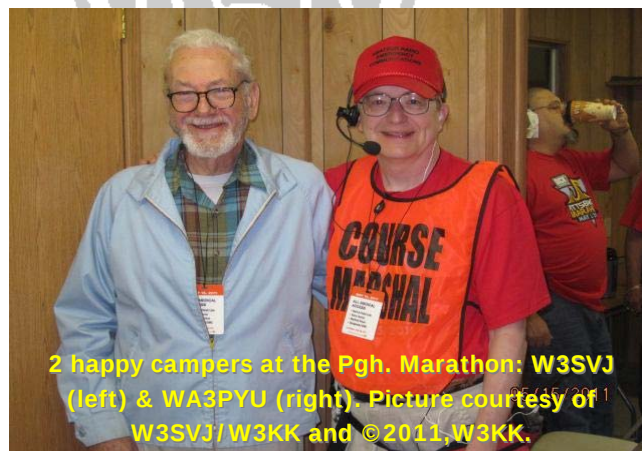
A big **'WELCOME BACK'** goes out to Joe, WA3FWA, who is back as our Recording Secretary. Joe had some minor complications to his recent surgery and missed the March and April meetings, but was back doin' his thing for the May BM. You'd never know he missed a beat by looking at him, and I for one am glad he's back! That means I ain't gotta take the notes no more! (**HAH!**) Seriously Joe, we're glad to see you back & lookin' good!

Ooh.....One more thing to occupy our skills: The Tour de Cure bike race coming the weekend of Field Day. If you aren't planning a Field Day outing, consider helping these fine folks out. Their contact info is on **page 4**.

Many thanks to WA3BKD for being the point man on the S&S memorial brick detail. A great way to honor those who serve our country, you can see the brick on **page 3**. This brick is permanently placed in the walkway at the Soldiers & Sailors Memorial hall in Oakland (on 5th Avenue). Our brick is located on the Bigelow Blvd. side of the building. Walk up the steps on Bigelow; as soon as you reach the top, start lookin' down.

Remember, keep those articles and pictures comin' for the newsletter. If it's local news, or public service, or anything radio-related, I WANT IT!! Help me to help you to help me to help make this an informative newsletter every month! (**What?.....**)

That's all I can think of for now. Thanks for your attention! 73 de NB3C.....<KQ3DX@hotmail.com>



FCC ISSUES CITATION TO ILLINOIS COMPANY FOR ILLEGAL MARKETING OF UNAUTHORIZED RADIO FREQUENCY DEVICES (CONTINUED)

unauthorized devices, the FCC may impose monetary forfeitures of up to \$16,000 for each such violation or each day of a continuing violation, and up to \$112,500 for any single act or failure to act. In addition, violations of the Communications Act or the Rules can result in seizure of equipment through in rem forfeiture actions, as well as criminal sanctions, including imprisonment.

Spark Gap CB may respond to the Citation by July 2 either through a personal interview at the FCC office in Park Ridge, Illinois, or a written statement. Any written statement should specify what actions Spark Gap CB Shop has taken to ensure that it does not violate the Rules governing the marketing of radio frequency devices in the future.

IARU NEWS: ARRL HEADQUARTERS HOSTS OVERSEAS VISITORS

Representatives from CRAC and CAMSAT visited ARRL Headquarters after attending the 2011 Dayton Hamvention®.

Where is Amateur Radio growing the fastest? The answer may surprise you -- it's China. The enthusiasm of Chinese radio amateurs was very much in evidence at ARRL Headquarters on Tuesday, May 24, when a dozen amateurs from Beijing and Shanghai toured ARRL Headquarters. The group -- which included representatives of Chinese AMSAT -- had attended the Dayton Hamvention® the previous weekend, where a booth for the Radio Association of China and its subsidiary, the Chinese Radio Amateur Club (CRAC, pronounced SEE-rack), was a part of ARRL EXPO.

Amateur Radio Society of India President and IARU Region 3 Director Gopal Madhavan, VU2GMN, visited ARRL Headquarters prior to attending the Dayton Hamvention. Here, he discusses emergency communications and the ARRL Ham Aid program with ARRL Chief Executive Officer David Sumner, K1ZZ.

ARRL Chief Executive Officer David Sumner, K1ZZ, met with Zhu San Bao, BY1CRA, Executive Vice Chairman of The Radio Association of China, to hear about the evolution of Amateur Radio in China and to explain ARRL operations in more detail. China is now represented in the International Amateur Radio Union by the Chinese Radio Sports Association (CRSA). CRAC has been established to cover all aspects of Amateur Radio and is assuming some of the functions of the CRSA.

The Chinese guests capped a busy period of international activity at ARRL HQ that began on Monday, May 16, with a visit by Gopal Madhavan, VU2GMN, who is a Director of IARU Region 3, as well as President of the Amateur Radio Society of India (ARSI). The following day, two officers of the Viet Nam Amateur Radio Club (VARC) -- Chairman Nguyen Minh Duc, XV2REH, and President Nguyen Bac Ai, XV2A -- arrived to tour ARRL Headquarters and to discuss their plans for hosting next year's IARU Region 3 Conference.

All of these visitors included Dayton in their itineraries. While the Hamvention always attracts many foreign visitors, the theme of this year's event -- Global Friendship -- made their presence especially appropriate. To mark the theme, the ARRL EXPO area included exhibits representing, in addition to China and the IARU itself, four IARU Member Societies: Deutscher Amateur Radio Club (Germany), Japan Amateur Radio League, Qatar Amateur Radio Society and Radio Society of Great Britain. The Radio Amateurs of Canada booth was nearby, rounding out our "global village."



ON THE AIR: ARRL VHF/UHF ADVISORY COMMITTEE SEEKS INPUT

The ARRL would like to encourage more participation in its several VHF/UHF contests held each year. Many of the HF transceivers sold in recent years include 50 MHz, and some also include the 144 and 432 MHz bands with multi-mode capabilities. The question at hand is how can we encourage more owners of such radios to utilize these bands and modes to participate in VHF/UHF contests?

The ARRL VHF/UHF Advisory Committee (VUAC) has been asked to consider this question, and to make recommendations to encourage, explore and expand the ARRL VHF and UHF contests and other operating activities by using the multi-band and multi-mode capabilities of modern transceivers and related equipment.

The VUAC would like to ask the Amateur Radio community to provide their comments and ideas for consideration.

Please send any comments or ideas you have on this matter to your ARRL VUAC Division representative no later than July 1, 2011. A listing of each Division's VUAC representative can be found at <http://www.arrrl.org/arrrl-staff-vuac-cac>.

US DISTRICT COURT DISMISSES MAINE AMATEUR'S COUNTERCLAIMS

After two US Attorneys filed a Complaint in US District Court in October 2010 against Glenn Baxter, K1MAN, for not responding appropriately to an order that he pay a \$21,000 fine for violating several sections of Part 97, Baxter filed many pro se motions. On May 23, the US District Court in Maine released an Order, dismissing one of Baxter's motions, an amended counterclaim, on multiple grounds.

The Court dismissed Baxter's claim for the following reasons: That the counterclaim plaintiff [Baxter] does not have standing to file a civil action against the government for its decision not to initiate a prosecution; that this Court does not have subject matter jurisdiction to review a Federal Communications Commission licensing decision, and that the Federal Tort Claims Act does not authorize a civil suit based on a governmental agency's alleged failure to perform its statutory duty.

The fine had been levied, according to the Complaint, "for defendant's willful and repeated violations of Sections 97.101(d) [commencing transmissions on top of existing communications on 3.890 MHz] and 97.113(a)(3) [transmitting communications in which the station licensee or control operator has a pecuniary interest] of the Commission's Rules, and for the defendant's willful violation of Section 97.105 (a) [exercising control over station] and 97.113(b) [broadcasting] of the Rules, and for failure to file requested information pursuant to an Enforcement Bureau directive" [information in brackets added]. The Complaint sought to force payment of the \$21,000 fine along with a filing fee and "such other and further relief as the Court deems just and proper."

I thought you all would find this interesting. I have been listening to TwiT podcasts for several years (especially Security Now), so I was thrilled to hear they are adding a Ham Radio show: <http://www.rwonline.com/article/twit-to-add-ham-radio-show/23485>

This after one of the guests of the show, John C. Devorak, announced on the show that he had become a ham. A conversation ensued with Jerry Pournelle who made some good points about the value of Ham Radio. The show can be seen / heard here: <http://twit.tv/296> (go to about 36 minutes in).

73, Ben, KB3ERQ

Propagation (from pg. 6)

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

Sunspot numbers for June 2 through 8 were 118, 122, 116, 74, 67, 58 and 45, with a mean of 85.7. 10.7 cm flux was 111.6, 107.1, 102.8, 102.9, 100.2, 96.4 and 90.2, with a mean of 101.6. Estimated planetary A indices were 8, 4, 15, 27, 7, 9, and 14, with a mean of 12. Estimated mid-latitude A indices were 6, 3, 11, 20, 5, 8, and 9, with a mean of 8.9.

You know you're a hard-core ham when: All the guys at work have nudie/girlie calendars hanging inside their locker, and you have the ARRL Boatanchor calendar hanging inside yours.....



Sponsored by the Holmesburg Amateur Radio Club, Inc.
<wm3pen@arrl.net>

The Pennsylvania "67" Challenge

- ⇒ 1. **Basic requirement:** Confirmed Amateur Radio QSOs with all 67 counties in the Commonwealth of Pennsylvania. QSL cards must be in the applicant's possession. QSL cards will include paper or electronic. Log Book of the World Records will also be accepted. Participants may work towards the Challenge by making contact with 20, 40, or 60 counties. A certificate will be awarded at each of the three levels. An endorsement will be given when all 67 counties are worked. Endorsements are also available for single band or mode.
- ⇒ 2. **Valid contacts:** All contacts must be 2-way communications made in real time. These contacts may be on any Amateur Radio band / mode. Contacts made using repeating devices such as FM repeaters, Amateur satellites, moon-bounce, and keyboard-to-keyboard contacts through digipeaters/nodes are valid, because these QSOs are made in real or near-real time. Contacts using IRLP, Echolink, or D-Star are valid as long as a radio is being used by both operators. All Contacts must be made from the same county. There is no date limit on when the contact were made. Contacts made by storing messages on BBS type stations (whether terrestrial or on board satellites) or by forwarding messages through a network of such BBSs are not valid. In other words, this award is for QSOs between operators, not for exchange of messages.
- ⇒ 3. **Verification of contacts:** Sending cards with the application is not required. An application form is available, but its use is not required. [Excel version](#) [Adobe version](#) Applicants shall submit a list of QSO's, alphabetized by county, showing the following QSO data: county, callsign of station contacted, band, mode, date, and UTC time. The name and callsign of the applicant should be printed clearly, exactly as they are to appear on the certificate. QSOs made under different callsigns of the same operator are permitted. The callsigns should be indicated on the application. QSL cards and the application are to be presented to one of the following for checking and verification: (a) the president of a ham radio club, or (b) an official of the ARRL or DX applicant's national Amateur Radio society. If cards are mailed to the award sponsor sufficient postage or IRCs should be included to cover return shipping and postage. The following statement, or equivalent language, should appear on the application. The person who checks the cards should sign this statement and also clearly print his or her name and position title. "I have examined QSL cards for all the listed contacts. The information is accurate as listed."
- ⇒ 4. **Award fee and return envelope:** Applicants in the USA should enclose a check for \$3.00 for each endorsement level, payable to Holmesburg ARC. DX applicants (including Canada), please send 1 IRC. All applicants should include their mailing address for an 8" x 11 inch (21.5 x 28 cm) certificate.
- ⇒ 5. **Submission of application:** Mail the completed application to:

Holmesburg Amateur Radio Club
3341 Sheffield Ave.
Philadelphia, PA 19136
- ⇒ 6. **Decisions of the sponsoring Club are final.** Questions on the award can be sent to the Holmesburg Amateur Radio Club, <wm3pen@arrl.net>

Pennsylvania counties list:

Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
Wayne	Westmoreland	Wyoming	York			

Some thoughts on the recent SB-314: (EDITOR'S NOTE: The ARRL W. Pa hierarchy sez to hold off writing letters to your elected reps. They'll advise when it is OK to do so. Sorry for any confusion I caused.)

Some of the confusion has been cleared up on the "exclusions" contained in SB-314 versus SB-583 (and having a different 'Bill' number didn't help on my part). (The same goes for me too!—Ed.) Somewhere, somehow, someday....someone got through and made a dent that allowed the Amateur Radio exclusion in this bill.

After reading SB-314, I found that I can and do agree with the majority of it and I can see the desired goal. However well intentioned any law or ordinance may be, people still TEXT and make calls on "wireless" devices. I see it everyday driving to work.

I'm also willing to bet that a good many of you reading this are guilty of doing such things and I myself *may* have used such devices contrary to established law, though I'll never admit to doing so.

Once upon a time, (hypothetical story) a fellow club member and I were driving our separate ways and one of us makes a call to the other using cell phones. After a few words it was pointed out that we are breaking the law. Knowing the work sked of the caller and having been told his location, the suggestion was made to go to 146.52 since the .03 repeater was in use. The "tech talk" type of conversation was moved to 52 simplex and all was well. So what's the point you ask? (CONTINUED ON NEXT PAGE)

Holmesburg ARC Original 13 Colonies SE

Independence Week Special Event

Original 13 Colonies

July 1-5, 2011

Sponsored by The U.S. Original 13 Colonies Group

<<http://www.13colonies.info>>

with the Holmesburg Amateur Radio Club, Inc.

<wm3pen@arri.net>

Amateur radio stations operating from the 13 colonies will be joined by members of the Holmesburg Amateur Radio Club to celebrate our independence from the city where independence was declared, Philadelphia, PA. Club members will be operating a special event station using the Club call WM3PEN.

The theme for 2011 is the Declaration of Independence. WM3PEN will offer a special QSL card. The 13 Colony Special Event will be offering a special certificate with the Declaration of Independence on it. For further information on the 13 colony certificate look up the [KU2US Bio](#) at QRZ.com.

WM3PEN will participate in the event. When you work WM3PEN make a note on the 13 colony log sheet and you will get a "Liberty Bell" endorsement with the WM3PEN call placed on the certificate. Remember to check out mailing instructions on the [KU2US Bio](#) at QRZ.com.

WM3PEN will be offering a great custom QSL Card to celebrate the event.

When you work WM3PEN send an SASE, IRC, or Green Stamp (\$1) with your QSL to WM3PEN. Use the address for [WM3PEN](#) at QRZ.COM. You can also QSL via the bureau. SWLs may send a confirmation of reception to request a QSL card. Simply indicate the stations making contact with WM3PEN, time, frequency, and your receiving equipment. SWL stations should follow the same mailing instructions.

Any donations to help with printing costs are always appreciated, and can be sent along with your QSL request.

Times will be: 12:01 AM Eastern on July 1st to 11:59 PM Eastern on July 5th.

For further information on the WM3PEN operation contact <wm3pen@arri.net>.

The Prez Sez.....(from page 30)

Point is we have pretty nice resources in this area either using 2 m simplex or one of the MANY under utilized repeaters that populate this area even though groups tend to use certain repeaters as a default.

Further, has anyone ever tried to impress upon our law makers, when responding to bills, like SB-314, that we have these resources and that such communications are SIMPLEX in nature and not DUPLEX as a phone is?

That we have experience using such equipment?

That we are usually more familiar with certain pieces of mobile equipment, which presents LESS of a danger, than the factory AM/FM radio or touch screens in our vehicles?

That modern equipment is programmed, or set up, to avoid having to fumble with knobs or even look at the thing?

That we would rather use a radio versus a cell phone?

That we will spend sometimes HOURS sitting in a parked vehicle trying different scenarios of how to mount radios for comfort and safety?

Do we, or have we, ever given a brief, fact laden, explanation of the mechanics of mobile communication?

Waving the EMCOMM banner is all well and good, but to those who are NOT radio types, it does little to enhance others' understanding of how we do things and how equipment works. These days with the proliferation of electronic communication devices, ham radio is just lumped in with the rest.

So having said that, what will we do to stand out if future Bills come along and threaten even our existence?

Just food for thought for the next go around.

Thanks for reading along,
73
Bob
WB3HDI

FLASH!! This just in to the NB3C newsroom: We had a great showing for the ARRL June VHF QSO Party! Here is the 'raw' data: 159 total QSOs.....120 QSOs on 6M, 26 QSOs on 2M, 6 QSOs on 222 MHz, and 7 QSOs on 432 Mhz. Ops: **WA3VXJ**, **WB3AGB**, **NB3C**, **K3LAB**, **W3CRO**, **KT3L**, **WB3HDI**, **W3SVJ**, **W3WTW**. **Totals:** QSOs: 159, **Points:** 172, Mults: 94. **Total score:** 16168. Thanks to all who showed up! A good time was had by all!



May 2011
S M T W T F S
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31

June 2011

The Steel City ARC June Contest/Event Planner

July 2011
S M T W T F S
1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 <i>SCARC Social Nite</i> <i>NHARC Business Meeting</i> <i>Alleg Co ARES Net</i> <i>144 Wednesday</i>	2 <i>WACOM Business Meeting</i>	3	4 <i>10-10 PSK Test</i> <i>Wake Up QRP Sprint</i> <i>SEANET Test</i>
5 <i>Breezeshooters Hamfest</i> <i>WASH 2M Net</i> <i>10-10 PSK Test</i> <i>SEANET Test</i>	6 <i>Breezeshooters Net</i> <i>GPVHF Business Meeting</i> <i>RSGB 80M Club Champ</i> <i>Digi</i>	7 <i>WACOM 2M Net</i> <i>Skyview Business Meeting</i> <i>WACOM 10M Net</i> <i>222 Tuesday</i>	8 <i>SCARC Social Nite</i> <i>Alleg Co ARES Net</i> <i>144 Wednesday</i> <i>NAQCC-EU Sprint</i>	9 <i>WASH Business Meeting</i>	10	11 <i>ARRL June VHF QSO</i> <i>Party</i> <i>Portugal Day Test</i> <i>VK Shires Test</i> <i>Asia-Pacific Sprint</i> <i>GACW WWSA CW DX</i> <i>REF DDFM 6M Test</i>
12 <i>ARRL June VHF QSO</i> <i>Party</i> <i>WASH 2M Net</i> <i>VK Shires Test</i> <i>GACW WWSA CW DX</i> <i>REF DDFM 6M Test</i>	13 <i>Breezeshooters Net</i> <i>ARRL June VHF QSO</i> <i>Party</i>	14 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> <i>222 Tuesday</i>	15 <i>SCARC Social Nite</i> <i>Alleg Co ARES Net</i> <i>144 Wednesday</i> <i>NAQCC Straight Key/Bug</i> <i>Sprint</i> <i>RSGB 80M Club Champ</i> <i>CW</i>	16 <i>SARL Youth Day Sprint</i>	17	18 <i>All-Asian DX CW Test</i> <i>Kid's Day Test</i> <i>AGCW V/UHF Test</i>
19 <i>WASH 2M Net</i> <i>All-Asian DX CW Test</i> <i>WAB 6M SSB Test</i>	20 <i>Breezeshooters Net</i>	21 <i>SCARC Business Meeting</i> <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> <i>222 Tuesday</i>	22 <i>Alleg Co ARES Net</i> <i>144 Wednesday</i> <i>NAQCC Straight Key/Bug</i> <i>Sprint</i>	23 <i>RSGB 80m Club Champ</i> <i>SSB</i>	24	25 <i>ARRL Field Day</i> <i>WASH Breakfast</i> <i>His Maj. King of Spain Test</i> <i>SSB</i> <i>Ukrainian DX DIGI Test</i> <i>Marconi Memorial HF Test</i> <i>ARCI Milliwatt Field Day</i>
26 <i>ARRL Field Day</i> <i>Tour de Cure Bike Ride</i> <i>His Maj. King of Spain Test</i> <i>SSB</i> <i>Ukrainian DX DIGI Test</i> <i>Marconi Memorial HF Test</i> <i>ARCI Milliwatt Field Day</i>	27 <i>Breezeshooters Net</i>	28 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> <i>222 Tuesday</i>	29 <i>SCARC Social Nite</i> <i>Alleg Co ARES Net</i> <i>144 Wednesday</i>	30		

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
& <www.sk3bg.se/contest>

June 2011
 S M T W T F S
 1 2 3 4
 5 6 7 8 9 10 11
 12 13 14 15 16 17 18
 19 20 21 22 23 24 25
 26 27 28 29 30

July 2011

The Steel City ARC July Contest/Event Planner

August 2011
 S M T W T F S
 1 2 3 4 5 6
 7 8 9 10 11 12 13
 14 15 16 17 18 19 20
 21 22 23 24 25 26 27
 28 29 30 31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 RAC Canada Day Test	2 YV Ind. Day Test DL DX RTTY Test
					WM3PEN Spec Event	
3 WASH 2M Net YV Ind. Day Test	4 Independence Day GPVHF Business Meeting	5 Skyview Business Meeting MI QRP CW Sprint	6 SCARC Social Nite NHARC Business Meeting Alleg Co ARES Net	7 WACOM Business Meeting	8	9 IARU HF Champ. FISTS Summer Sprint
WM3PEN Spec Event			10-10 Int'l Spirit of 76 QSO Party			
10 NHARC Hamfest IARU HF Champ. WASH 2M Net ARCI Homebrew Sprint 10-10 Int'l Spirit of 76 ..	11 Breezeshooters Net NAQCC-EU Monthly Sprint	12 WACOM 2M Net WACOM 10M Net 222 Tuesday	13 SCARC Social Nite Alleg Co ARES Net 144 Wednesday RSGB 80M Champ SSB	14 WASH Business Meeting	15	16 CQ WW VHF Test DMC RTTY Test NA QSO Party RTTY
17 Somerset ARC Hamfest CQ WW VHF Test WASH 2M Net DMC RTTY Test NA QSO Party RTTY	18 Breezeshooters Net	19 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	20 Alleg Co ARES Net 144 Wednesday	21 NAQCC Straight Key/Bug Sprint RSGB 80M Champ Digi	22	23 Pgh. Vintage GP
24 Pgh. Vintage GP WASH 2M Net WAB 2M QRO SSB Test	25 Breezeshooters Net	26 WACOM 2M Net WACOM 10M Net 222 Tuesday	27 SCARC Social Nite Alleg Co ARES Net 144 Wednesday	28	29	30 WASH Breakfast RSGB IOTA Test
31 WASH 2M Net RSGB IOTA Test						

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
 & <www.sk3bg.se/contest>



Somerset County PA Hamfest

Presented by the Somerset County Amateur Radio Club

P.O. Box 1241

Somerset, PA 15501

Talk-In on K3SMT Repeaters

147.195+ pl 123 and 443.250+ pl 123

All-You-Can-Eat pancake & egg Breakfast for \$6.00 served from 8 to 10am,
while supply lasts, children under 13, \$3.00
followed by lunch items featuring Blackburn & Russell products



ARRL
Sanctioned

Free Parking

GPS Coordinates
40.00281N
79.03345W

Sunday, July 17th, 2011 – 8:00 a.m. to 1:00 p.m.

Where: Somerset County Technology Center

281 Technology Drive, Somerset, PA 1550

Grounds Open at 6:00 am for vendors and tailgaters.

Entrance Fee: **Adults \$5.00, children under 13 FREE**

Indoor Tables: Pre-Registration Required

Outside Tailgating: **FREE**

Free Coffee

Open at 8:00 am
VE Testing at 10:00 am
Fee: \$15.00

First Prize: FT-7900R 50W 2M | 45W 440 FM XCVR

Second Prize: MFJ-259 Antenna Analyzer

Third Prize: JTPS-28M 28Amp Metered Power Supply

Prize Tickets: \$2/ea, 3/\$5, 7/\$10, or 15/\$20

PLUS Black Box Mystery Prize Tickets @ \$5.00 each

PLUS 3 ADDITIONAL BONUS PRIZES

KB9YIG's SoftRock RXTX Ensemble Tranceiver Kits

(2 kits assembled and tested by Tony, KB9YIG

First 2 winners have choice of kit or assembled unit) see CQ—Feb 2011

Combine the joy of kit building with the latest QRP Software-Defined Radio (SDR) technology



2011 Pre-Registered Vendors as of June 2011

KJI Electronics ((((()))
SERVING AMATEUR RADIO SINCE 1978

Created By Amy



Plus Fldigi demo by W3YJ Harry and KB3FXI Dave



**Pre-Registration required
for indoor space
contact Stew, AK3J at
ak3j@arrl.net or 814-444-0637
for flyer updates visit
www.k3smt.org**

**Directions from PA
Turnpike Exit 110**

**Go straight off
ramp and turn left
at 4th stoplight onto
Route 31 East**

**Go 2.0 miles and
turn left onto
Technology Drive.**

**The Hamfest will be
on your right
behind the building**



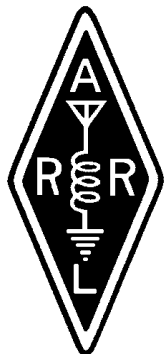
For more local events and attractions see: www.laurelhighlands.org

for Hamfest updates www.k3smt.org and

www.arrl.org/hamfests/somerset-county-arc-hamfest

NORTH HILLS AMATEUR RADIO CLUB

26TH Annual Hamfest



July 10, 2011 8:00 a.m. until 2:00 p.m.

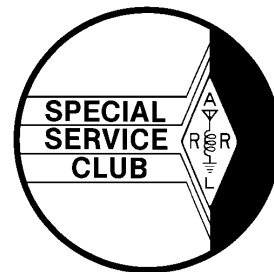
Westview V.F.W. Post 2754

386 Perry Highway

Pittsburgh, PA 15229

Talk-in on 147.09 W3EXW

North Hills A.R.C. Club Repeater



Admission = \$5.00 / Free Parking

Air Conditioned In-Door Hamfest

\$10.00 per table rental – by reservation – first come first served

Handicapped Accessible

No Firearm Sales! No Alcoholic Beverages Permitted In Any Hamfest Area!

Main Prizes

1st prize = Yaesu FT-857D

2nd prize = LP-100A Digital Vector Wattmeter Kit

3rd prize = MFJ 259 Antenna Analyzer

4th prize = Carolina Windom 40 OCF Wire Antenna

MYSTERY BOX – winner need not be present

Plus Hourly Prizes/ Admission Prize - must be present to win

Main Prize Tickets: \$2 each, three for \$5, or seven for \$10, fifteen for \$20, 40 for \$50, or 90 for \$100. Admission ticket entitles bearer to hourly prizes. Winner need not be present for main prize or mystery box drawing at 2 pm; must be present for hourly prize drawings.

Mystery Box Tickets: \$5 each only 120 tickets sold! Prize valued at over \$250.

Directions: From Pittsburgh: 279N to Exit 5 (Perrysville). At end of ramp, make right to light. At light make left onto Perrysville Ave (19N). At 4th light, make right onto Center Ave. Go 100 yards. You're there.

From Ohio: Pa. Turnpike East to Exit 28 (Cranberry), I-79 South (Pittsburgh), 279 South (Pittsburgh) to Exit 5 (Perrysville). Left from ramp to light. At light, left onto Perrysville Ave (19N). At 4th light, make right onto Center Ave. Go 100 yards. You're there.

From North: Pa. Turnpike Exit 48, Rte 28 South toward Pittsburgh, right onto ramp for 279 N. Take 279 N. to Exit 5 (Perrysville). From ramp make right to light. At light make left onto Perrysville Ave (19N). At 4th light, make right onto Center Ave. Go 100 yards. You're there.

From South Hills: Liberty Tunnels to 579N, then to 279N to Exit 5. At end of ramp, make right to light. Left onto Perrysville Ave (19N) to 4th light, make right onto Center Ave. Go 100 yards. You're there.

Hamfest Chairman: Al Smochko K3YUB, 412-760-7055 e-mail: k3yub@verizon.net
information: www.nharc.org

TABLE RESERVATION FORM
NHARC HAMFEST – JULY 10, 2011
8:00 am to 2:00 pm
Westview V.F.W.
386 Perry Highway
Pittsburgh, PA 15229

PLEASE PRINT NEATLY / ALL REQUESTED INFORMATION REQUIRED

Name _____ Call _____

Business Name _____

Address _____ City/ State/ Zip _____

Phone _____ Email _____

_____ Table(s) at \$10.00 each for a total of \$ _____ enclosed.

No firearms or weapons will be permitted for sale.

Make checks payable to North Hills Amateur Radio Club and send to NHARC, K3YUB (AI), 107 Iola St., Glenshaw, PA 15116 before June 30, 2011.

WESTVIEW V.F.W. TABLES ONLY FOR THIS EVENT – NO EXCEPTIONS!!!

Enter special needs info here: _____

Any questions? Call K3YUB (AI) at 412-760-7055 or email at k3yub@verizon.net

For NHARC use : Date Reservation Received _____ Date Confirmed/ Acknowledged _____
Check number _____
Total \$ _____

NORTH HILLS AMATEUR RADIO CLUB

ADVANCE PRIZE TICKET SALE

NHARC HAMFEST

JULY 10, 2011

8:00 A.M. TO 2:00 P.M.

AT

WESTVIEW V.F.W.

386 PERRY HIGHWAY

PITTSBURGH, PA 15229

Please make checks payable to: North Hills Amateur Radio Club

c/o K3YUB (AL)

107 Iola St.

Glenshaw, PA 15116

PLEASE PRINT NEATLY

Name: _____ Call: _____ Date of order: _____

Addr : _____

City : _____ State: _____ ZIP: _____

Phone: _____

**MAIN PRIZE TICKETS: \$2.00 each, three for \$5.00, seven for \$10.00, fifteen for \$20.00,
40 for \$50.00, 90 for \$100.00**

Number of main prize tickets _____ Total enclosed \$ _____

MYSTERY BOX TICKETS: \$5.00 each

Number of Mystery Box tickets _____ Total enclosed \$ _____

For NHARC use :

Date order received _____ Date order sent _____

Check number _____

Total \$ _____



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

www.w3kwh.com

**NEXT
MEETING:**
June 21,
8PM

**KiloWatt
Harmonics**

W3KWH



75A1
Excellent
150%