



► CLUB OFFICER
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► FOR THE APRIL
BUSINESS MEETING
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PAGE 3



► SEE WHAT'S GOING
ON IN THE MONTHS OF
MAY & JUNE: **PAGE 17**
FOR MAY; **PAGE 18** FOR
JUNE.

MAY | 2010 | ISSUE 5

**NEXT MEETING: MAY 18, AT THE
CLUBHOUSE. MEETING STARTS AT
8:00PM. COME FOR THE MEETING,
STAY FOR THE DELICIOUS FOOD AND
SOCIALIZING AFTERWARDS.**



NEXT VE SESSION: JUNE 14

<www.w3kwh.com>

Kilo Watt Harmonics

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

The Prez Sez....

April showers bring May flowers.

Do Dandelions count? Lilacs are in bloom and will be fading away quickly so get your sniffers out there and enjoy the Lilacs while you can. Spring done sprung and the weeds are greening up nicely. Good thing too, else my yard would be bare! I figure Spring is officially here not by some date on a calender but by the leaves on Oak trees. Oaks shed their leaves when it is time for their buds to form and blossom.

As for our club grounds. No, not the coffee type. (this is the part where he sounds like a broken record) (remember those?) As usual Mother Nature in her infinite wisdom has bestowed upon us more greenery. IE: WEEDS!

But alas, Dear Friends, there is a glimmer of light at the end of the tunnel. If you have not been to the club to see the progress...yes PROGRESS, in the weeding Dept., you need to get up there and see with yer own peepers cause pictures don't do justice to the efforts put in by some of our gang. We will never win the war on weeds but we can sure beat them back a bit. And it doesn't take a lot of effort either. Just a wee bit of time and we will have a pretty big patch cleared out. Future official work parties will be formed but with the weird weather patterns we had so far this year, "a hit 'em when and while you can" approach has been taken. *Many many* thanks to Billy N3VEF, Nat W3SVJ, Karl WA3VXJ, John K3JHT for their efforts and hard work. If I have missed anyone, please step up and tell me. I couldn't do it all by myself and I appreciate any and all help. Every drop in the bucket.....

Another project that is brewing is the KT34XA antenna. An inventory had been taken of what will be needed to repair this monster and as of this writing I am still waiting for a quote on the repair parts. Soon I hope.

(CONTINUED ON PAGE 5)



Do You Dayton??

Hard to believe it's that time of year again.....Dayton Hamvention 2010 is fast approaching! Are you going? If you are, I'd like your take overall on the Hamvention, overall-wise. What did you think, what did you see that you couldn't do without, what did you see that you could do without, etc. What did you think of the attendance, the condition of Hara Arena? I'm interested in your opinion of the Hamfest. Don't forget to take your camera along; I plan on doing a big spread next month, so your comments and pictures would be greatly appreciated! BTW: A schedule of the forums are attached as separate .pdf files along with a list of vendors, so you can plan and manage your time there to achieve maximum bang for your buck. Drive carefully, have a good time and CU back here next month! Thanks for reading.....73 de NB3C.

Deadline for June 2010 newsletter submissions will be Friday June 4. The newsletter will be published on or about June 6.

Officers of The Steel City Amateur Radio Club:

President: Robert
Lenfestey, WB3HDI
(412)-276-5106
<wb3hdi@w3kwh.com>

VP: Joe Fenn,
WB3AGB
(412) 429-9328
<wb3agb@arrl.net>

Treasurer: Walt Adkins,
KA3YNO
(412) 276-0825

Recording Secretary:
Joe Mielnicki, WA3FWA
(412) 922-6340

Corresponding
Secretary:
Sue Rakiec, KA3JKS
(412) 243-3061

License Trustee:
Karl Pastorak, WA3VXJ
(412) 429-8055



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KiloWatt Harmonics

May 2010

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Amateur Radio Club

Editor: Greg Babin, NB3C

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

All contributions are
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<kq3dx@hotmail.com>

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

AND I COULDN'T HAVE PRODUCED
THIS NEWSLETTER WITHOUT THE
HELP OF THESE FINE PEOPLE:
ARRL, WA3TTS, WA3FWA, NU3Q,
N3MSE, WB3HDI. THANKS ALL, FOR
YOUR EFFORTS.

Business Meeting Minutes: April 2010

Vice-President WB3AGB, Joe in the absence of the President WB3HDI, Bob, started the meeting at 8 PM. The Pledge of Allegiance was recited and was followed by a Moment Of Silence for our Silent Keys. 22 members and 2 guests answered the Roll Call. The Minutes of the March meeting were accepted as printed in the April Newsletter. The Treasurer's report was given by KA3YNO, Walt and was accepted by the membership. He reported that 58 of the 75 members have paid their dues to date.

Committee Reports

- ⇒ **Clubhouse** WA3VXJ, Karl reported that K3JHT John, N3VEF Billy and WB3HDI Bob had assisted him in clearing the brush from the club grounds. John helped prepare the clubhouse for tonight's meeting. Karl and son cut the grass. There are some trees partially down on club and adjacent property due to the recent storms and a Duquesne Light crew has checked our power lines for tree clearance. There are plans in effect to repair and paint the storage shed.
- ⇒ **Technical** WA3TTS, Mike received a round of applause for his efforts to work KP4AO EME this past weekend from the club. He reported that this was last done some 25 years ago! Karl and Billy have taken down the KT "34/36" antenna for repair. The KT's tower needs to be relocated, the rotor needs repaired and new cables need to be trenched from clubhouse to tower. Plans for the dish antenna may include some or all of reception of NASA transmissions and UHF, EME and ATV operation. Funds for these projects were appropriated by the membership.
- ⇒ **Contests** WA3TTS Mike reported that there is a 222 Mhz Sprint tonight, a 432 Sprint next week and microwave activity the 1st weekend of May.
- ⇒ **Membership** WA3BKD, Art gave the 1st readings for prospective members AB3KB, Jay and KB3UEE, Mike.
- ⇒ **Public Service** KA3MSE, Lloyd said that the Wed. night Public Service net would request more volunteers for the upcoming Pittsburgh Marathon and the Race for the Cure events.
- ⇒ **Ways and Means** WA3FWA, Joe will hold the 50/50 raffle after meeting and auction a 2009 CB-CD, collect any outgoing QSL cards for the bureau and supplied a replacement wall clock for the clubhouse.
- ⇒ **Volunteer Exams** AI3J, Mark will hold the next exam session at the clubhouse on Monday June 14 at 7 PM.
- ⇒ **Old Business** WA3BKD, Art said to refer to Karl and KB3GMN, Carol for any Remodeling Committee questions and comments. He suggests that we need to replace the sagging couches with stackable chairs such as are available from Sam's Club. The clubhouse needs repainted inside and out. Art requests the members donate their old bumper antenna mounts for use at the Requin submarine ham radio station. He requested an 18 X 12 heat sink which WA3TTS, Mike said he can supply.
- ⇒ **Good of the Order** Walt has some free stuff the members may wish to take. Any desired books for the club library can be emailed to N3EQF, John. W3SVJ, Nate has new club rosters available for the members.
- ⇒ **Motion to Adjourn:** by Art, WA3BKD.
- ⇒ **50/50 raffle:** won by WA3BKD, Art
- ⇒ **CallBook CD:** high bid by WB3CRC, Dale.

Our next meeting will be held on May 18th, 8PM @ the clubhouse. Come for the meeting, stay for the lovingly-prepared food and socializing afterwards.



ARRL WPA Section News

Several months ago I posted information regarding a bill that was introduced into the House of Representatives here in Pennsylvania. The bill was designated HB-2070. This bill was designed to prohibit hand held cell phones from being used while a vehicle was in motion. Unfortunately the wording of the bill is such that amateur radio devices particularly handhelds could also be prohibited with the passage of this bill. While we have worked for the past several months to get this bill amended it has not been done at this time. I strongly urge every amateur and their relatives and friends to write, email or call their state senators and oppose the passage of this bill unless specific language is added to exempt amateur radio devices from the bill. Some legislative people feel that all radios that are permanently installed in vehicle are exempt as part of the bill exempts devices that are physically or electrically integral to the vehicle. This needs all of our immediate attention to contact our local reps and oppose passage. If you need help determining your state officials check the following web site <http://www.legis.state.pa.us/> in the upper right corner you can enter your zip code to get the officials for your district.

A reminder to members is to be sure to check the data you have in your member profile at the ARRL website. If you change your email service be sure to update that info on the members only section of the website. The new website is expected to be functional in April barring no further difficulties. With the update, many exciting new features are being added that will help all of us to experience a more user friendly web site. In addition to HQ staff the directors, vice-directors and section managers have been working for the past several weeks to test the site and many issues have been found and corrected. This has been a major work in progress and the staff has done a wonderful job handling the changeover and correcting issues as they have been discovered. These people have worked tirelessly to provide the members with a functional new approach to the web. I wish to extend my personal thanks to all who have worked so diligently to make this happen.

This is a correction of information I had last month. An area of information for hamfest officials is that HQ has a new policy with regard to information brochures for hamfests. The material to be sent from HQ must be selected by the hamfest chairperson. The info is included in your approval letter. There is a charge to the hamfest for shipping the materials. Many of the handouts are available at no charge except for the shipping fees. If you need assistance in what to order contact me at n3mse@arrl.org.

The Section Traffic Manager position for the ARRL WPA section is still as yet unfilled. Please consider volunteering for this position. You can E-Mail John, N3MSE at N3MSE@arrl.org if you are interested and are able to assume the duties of this important position.

Last month I had mentioned a new Section Traffic Manager would be announced. Unfortunately that person was not able to take on the duties of the traffic manager. For the present time I am continuing to file the monthly reports for the section but I honestly need your help to have someone take over this function. Traffic handling is a necessary service and I do not want to lose this valuable service. If you are involved and have a knowledge of traffic handling and particularly can participate in the section net please contact me if you are willing to assume these duties.

As always I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep the keep this activity running strong. The section net is on 3983 every evening at approximately 6:00 PM local time. Join the nets and lets all get Radio Active.

THE ARRL WPA SECTION:

SECTION MANAGER:

John V. Rodgers, N3MSE
803 S Main St.. Butler, PA
16001-6326 (724) 287-0424
n3mse@arrl.org

ASSISTANT SECTION MANAGER ASM DIGITAL COMMUNICATIONS:

Anthony F Petruccelli, KE3ED
473 Park St. Rochester, PA.
15074-1859 (724) 774-4173
ke3ed@arrl.net

CHIEF ASSISTANT SECTION
MANAGER: Bruce E Watson, AA3LX
4347 Highland Ave. Butler, PA. 16001-
2959 (724) 482-2756, (412) 482-2756
aa3lx@aol.com

ASM MEDIA LIASON:

Tony Zona, WB3KGT
2485 Dorn Rd. Waterford, PA.
16441-4013 wb3kgt@arrl.net

AFFILIATED CLUB COORDINATOR:

Keith "Pete" Highlands, N3RLJ
212 N 1st St. Jeannette, PA.
15644-1827 (724) 523-6232
n3rlj@arrl.net

OFFICIAL OBSERVER

COORDINATOR:

R Ralph Ofchinick Jr, W3ZPI
9 Brooklane Dr. Harrison City, PA.
15636-1515 (724) 744-7180
w3zpi@arrl.net

SECTION EMERGENCY

COORDINATOR: Larry Keller, AB3ER

3907 Bridgewood Circle
Murrysville, PA. 15668-9478
(724) 325-2220 ab3er@arrl.net

SECTION TRAFFIC MANAGER:
POSITION UNFILLED. PLEASE
CONSIDER VOLUNTEERING FOR
THIS POSITION.

TECHNICAL COORDINATOR:

David R Heim, KA3SMF
1032 Nimick Ave, Monaca, PA.
15061-1333
(724) 774-3733
ka3smf@arrl.net



On The National Front.....

National News is gleaned from various issues of the ARRL Bulletin.
Thanks to the ARRL for permission to reprint here

⇒ FCC Seeks Comments on Newly Proposed Rules for Amateur Radio Operators and Emergency Drills

In March, the FCC released a Notice of Proposed Rulemaking (NPRM) that proposed to amend the Part 97 rules governing the Amateur Radio Service. The new rules would provide that, under certain limited conditions, Amateur Radio operators may transmit messages during emergency and disaster preparedness drills, regardless of whether the operators are employees of entities participating in the drill.

On April 22, a summary of the NPRM was published in the Federal Register and the FCC is seeking comments on it. Comments must be filed on or before May 24, 2010 (30 days after publication in the Federal Register); reply comments must be filed on or before June 7, 2010 (45 days after publication in the Federal Register).

Instructions on how to file comments are listed beginning on page 5 of the NPRM. The NPRM is available on the web in PDF format at, http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-10-45A1.pdf.

Prez Sez... (from page 1)

From the "Radio Experience of a Lifetime" Dept.:
Mike WA3TTS put SCARC/W3KWH on the map with the recent EME activity from KP4AO, Arecibo Observatory. While a contact was not made, this effort was a huge success!!! With a meager set up, bashing stuff together to make it all work, a Field Day look and feel to the whole experience, really hit home when we listened to the recordings made by the observatory. Mike brought these recordings to the club and hearing W3KWH (in CW) amidst all the other clutter and noise was thrilling!! From the Wednesday before the event as we looked over the dish and speculated a wee bit, mind you at midnight we did this, I was excited and anticipated this would work. Mike pulled it off and made it seem easy despite the weather which was not quite so pleasing. Tip 'o the hat to ya Mike and thank you for taking W3KWH to the Moon and back! Thank you to all who could attend and lend a hand with this effort. Neat stuff ain't it?

From the "Representing SCARC" Dept.:
I want to thank all SCARC members who participated in the Pittsburgh Marathon event since by the time this goes to print, the 2010 Marathon will be history. Your efforts, devotion, and giving spirit are well appreciated by all. Thanks from me to you!

From the "Next Meeting Ain't Gonna be so Short" Dept.:
Thank you V.P. Joe WB3AGB for filling in for me during last month's business meeting. My 2nd harmonic Rob (Jr or whatever I feel like calling him at any given moment) KB3NZX, and I, attended his last NTHS (National Technical Honor Society) Ceremony for Parkway West CTC. Rob is one of a handful of students that stayed in the NTHS for 3 years. These students were referred to as Veterans who passed the torch to those entering the NTHS. So with Joe's help with the meeting, I was able to attend Rob's ceremony knowing SCARC would be in good hands. And for those of you that missed seeing me all spit shined and polished, well maybe next time.

⇒ More Support For HR2160

Last week, two more Congressional Representatives -- Greg Walden, W7EQI (R-OR-2) and Jeff Fortenberry (R-NE-1) -- pledged their support for HR 2160, *The Amateur Radio Emergency Communications Enhancement Act of 2009*, bringing the total number of cosponsors to 39, including original sponsor Sheila Jackson-Lee (D-TX-18). HR 2160 is also sponsored by W. Todd Akin (R-MO-2), Michael Arcuri (D-NY-24), Roscoe Bartlett (R-MD-6), Jo Bonner, (R-AL-1), John Boozman (R-AR-3), Madeleine Bordallo (D-Guam), André Carson (D-IN-7), Geoff Davis (R-KY-4), Bob Filner (D-CA-51), Scott Garrett (R-NJ-5), Bart Gordon (D-TN-6), Brett Guthrie (R-KY-02), Maurice Hinchey (D-NY-22), Michael Honda (D-CA-15), Mary Jo Kilroy (D-OH-15), Ron Klein, (D-FL-22), Tom Latham (R-IA-4), Zoe Lofgren (D-CA-16), Blaine Luetkemeyer (R-MO-9), Thaddeus McCotter (R-MI-11), Michael E. McMahon, (D-NY-13), Cathy McMorris Rodgers, (R-WA-5), Charlie Melancon (D-LA-3), Candice Miller (R-MI-10), Dennis Moore (D-KS-3), John Oliver (D-MA-1), Bill Posey (R-FL-15), Denny Rehberg, (R-MT), Dana Rohrabacher (R-CA-46), Aaron Schock, (R-IL-18), Bennie Thompson (D-MS-2), Michael Turner (R-OH-3), Peter Welch (D-VT), David Wu (D-OR-1), C.W. Bill Young (R-FL-10) and Don Young (R-AK). On the Senate side of Capitol Hill, S 1755 -- also called *The Amateur Radio Emergency Communications Enhancement Act of 2009* -- cleared the Senate by unanimous consent in December 2009 and now sits in the House Committee on Energy and Commerce.



'cause in June we hope to have our new EC visit the club and if you did not already know, your old ARES cards are no longer valid. I believe we will be able to have new cards issued at the June meeting but don't hold me to that as nothing is set up 100%, yet.

And for those of you who will attend the Dayton Hamvention.....HAVE A GREAT TIME!!
That's all folks and thanks for reading along. Til next time.....

73
Bob
WB3HDI

SEE THE 'PREZ SEZ' PICS
ON PAGE 16 .

Keep your eyes peeled on this newsletter and calender open

DX News is gleaned from various issues of the ARRL DX Bulletin. Thanks to the ARRL for permission to reprint here.

News From The DX World.....

- ⇒ **GHANA, 9G.** Station 9G1AA has been QRV on 15 meters around 1600 to 1800z. QSL via PA3ERA.
- ⇒ **BURUNDI, 9U.** Paul, 9U1P has been active on 15 meters using PSK31 around 0700z. QSL via ON4LN.
- ⇒ **IRAN, EP.** Mohammad, EP4MRG has been active on 20 meters using SSB around 1600z. QSL to home call.
- ⇒ **VENEZUELA, YV.** In celebration of Venezuela's 200 years of independence, special event stations 4M200AJ, YV200D, YW200A, YW200ER, YW200L and YW200T are QRV until December 31. QSL via operators' instructions.
- ⇒ **POLAND, SP.** Piotr, SP2QCW is QRV as HF2010WECK until June 30 to celebrate the "World Enduro Championship" in Kwidzyn. Activity is on all bands and modes. QSL to home call.
- ⇒ **MOUNT ATHOS, SV/A.** Monk Apollo, SV2ASP/A has been active on 20 meters using RTTY around 1800 to 2000z. QSL direct.
- ⇒ **MADAGASCAR, 5R.** Michele, 5R8UI has been active on 15 meters using SSB around 1600 to 1700z. QSL via IZ8CCW.
- ⇒ **DOMINICAN REPUBLIC, HI.** Club station HI0IDT is QRV until May 9 to commemorate the International Book Fair Santo Domingo 2010, honoring poet Freddy Gaton Arce. Activity is on 80 to 6 meters each day from 1200 to 2359z. QSL via bureau.
- ⇒ **OGASAWARA, JD1.** Hiroyuki, JG7PSJ will be QRV as JD1BMH from Chichijima, IOTA AS-031, from May 2 to 14. Activity is on 40 to 6 metes, and possibly 80 meters, using CW, SSB and digital modes. QSL to home call. In addition, Makoto, JI5RPT will be QRV as JD1BLY, also from Chichijima, from May 2 to 7. Activity will be on 40 to 6 meters using CW, SSB, digital modes and Satellites. QSL to home call.
- ⇒ **AUSTRIA, OE.** The Vienna International Amateur Radio Club is QRV as 4U10NPT during the month of May during the 2010 Review Conference of the Parties to the Treaty on the Non-Proliferation of Nuclear Weapons. QSL via OE1ZKC.
- ⇒ **SUDAN, ST.** Robert, S53R is QRV as ST2AR from Khartoum until the Summer of 2011 and is now active on 6 meters. QSL to home call.
- ⇒ **CHAD, TT.** Phil, F4EGS is QRV as TT8PK and has been active on 15 meters using CW around

1400z and 20 meters SSB around 1700z. QSL to home call.

- ⇒ **ASIATIC RUSSIA, UA0.** Valery, RZ9DX is QRV as RZ9DX/I/A from Medvezh'ya Island, IOTA AS-005, in the Kara Sea Coast West Group. He has been active on 20 meters using CW and SSB. QSL via operator's instructions.
- ⇒ **UKRAINE, UR.** Andy, UR3MP and Serge, UR4IN are QRV as EM65MP and UM65IZ, respectively, until May 15 in celebration of the 65th anniversary of the end of World War II. Activity is on the HF bands using CW, SSB, RTTY and PSK31. QSL to home calls.
- ⇒ **BRUNEI, V8.** Roslan, V85AVE has been QRV on 20 metes SSB around 1300 to 1500z. QSL via EA7FTR. In addition, Tamat, V85TL has been active on 20 meters CW around 1400z. QSL to home call. Mohamad, V85TX has been active using RTTY on 20 meters around 1600z. QSL via W3HNK.



- ⇒ **AUSTRALIA, VK.** In celebration of its 100th anniversary, the Wireless Institute of Australia's special event station VK100WIA is QRV until the end of September. QSL via bureau.
- ⇒ **VANUATU, YJ.** John, ZL1GWE is QRV as YJ0AWE from Port Vila, Efate Island, IOTA OC-035, until May 9. Activity is on 30 to 10 meters using CW and SSB. QSL to home call.
- ⇒ **SEYCHELLES, S7.** Vlad, RA9LR is QRV as S79LR from Desroches, IOTA AF-033, until May 7 and then from Mahe, IOTA AF-024, from May 8 to 10. Activity is mainly on the low bands using CW, RTTY and PSK63 with some SSB. This includes being an entry in the ARI International Contest, and the upcoming Alessandro Volta RTTY DX and CQ-Mir International DX Contests. QSL via operator's instructions.
- ⇒ **ALAND ISLANDS, OH0.** Hans, DK3PZ is QRV as OH0/home call until May 8. Activity is on all HF bands. QSL via bureau.

Software Of The Month.....

A (semi) frequent feature where I try to feature software that I hope will enhance your operating experience in the shack. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, either pecuniary or monetary in the software described herein. All I want to do is to keep the newsletter from becoming the same old schtick month after month, and keep it as interesting and entertaining as possible. Thanks for reading.....73 de NB3C.

My pick this time around:
The VE7CC CC User DX Cluster Software. www.ve7cc.net

Hey all you DX chasers out there: Remember the good old days when the now-defunct WPADXA (West Penn DX Association) had the 2-meter PacketCluster in operation? All you needed to do was connect to it, and watch the DX come to you. Now with the demise nation-wide of 2M or 70CM DXClusters it's getting harder and harder to find them still in use. No need to worry though; with this software, all you need is an internet connection (either dial-up or DSL/Cable/FIOS) and once again you can watch all the DX activity currently on the bands and pounce on the ones you need.

This is a fully customizable program you can fine-tune to suit your needs; best of all, it's a FREE download! You know how I like those freebies out there.....

To get started simply click on the link above. You'll need to download 2 files: The full version, and the latest update. The full version is a small 3.3MB program and the update is a small 1MB program; even if you are using a dial-up internet provider, it'll only take a few minutes to download 'em.

Once it is downloaded & installed, you'll need to take a few minutes to set it up; for example, you'll need to set up your call, and your location (grid square and latitude/longitude). Why this stuff? Because this way, the program will be able to generate beam headings and distance in miles or KM to the DX station. Pretty cool! You'll also need to set up the node you wish to connect to. (I use the K1TTT and K1EA nodes.) The default node is, of course the VE7CC node. You can leave it there if you wish. No matter which one you connect to, you'll receive the same DX info.

OK, so now you have the program set up. Simply connect to the cluster by clicking on the "Connect" button at the top; the bar will go yellow for a moment and then green to indicate you are successfully connected. One note here: I know of no license restrictions here; everybody is welcome to use it. Once connected, you should start to see DX spots appear in the lower light-blue box on your screen; the top light-blue box is 'raw' data being displayed.

Right above the DX spots box, you'll see many tabs you can click on. The 2 you will probably use the most are the 'DX' tab and the 'WWV' tab. By clicking on the 'WWV' tab, you will then be able to download solar data here, simply by

clicking on the 'Get 5 spots' tab. Once it is downloaded, it will be displayed on the DX spots window (you can get back here by clicking the 'DX' tab.) The 'Ann' tab is for announcements being made by other stations that are connected.

Another cool thing about this program is that you can color-code your spots by band. So, if you don't like the default colors, you can select any color you want simply by clicking on the individual band on the right of the screen. You can also select the font and size if your eyesight isn't what it used to be (like mine)! Also, to the right of each band is a set of numbers. The first number is the number of spots you have not yet viewed, and the number to the right of that is the total number of spots on that particular band since you logged in. Under the 'ALL' heading at the top, is the total number of all band spots since you first logged in.

By clicking on the desired band at the right side, you can view only spots for that band. Very handy when you are not interested in what's going on, on the other bands. Another cool thing about this program is, when you click on the DX call, it'll take you to the QRZ.com website and automatically give you the DX stations address (if available).



By default the program is automatically set up to check for updates. When one is available, a button labeled "Update Program" will be shown to the left of the green "Connected To:" box at the top. Clicking on this will download the update & you'll need to shut the program down to install the update. However you can still continue to use it until you are ready; no need to shut down immediately to install the update.

I've had very good luck with this program on all the current versions of Windows: Windows XP 32/64, Windows Vista 32/64 and Windows 7 64 bit versions. It's pretty much install & run; no ports should need to be opened on your modem or router. Also since the program is a freebie, no registration is needed; you can run it on as many computers as you wish. The only thing you might need to do is tell your anti-virus/firewall program that it's OK for this program to run.

So, if you are currently using Microsoft Telnet, or the Radio Arcala website, consider using this instead. It is very user-friendly, can be customized to suit your taste, and contains a lot more useful info and features than you'll get with the others. Did I mention it's a freebie? (HA HA) I love free stuff! Who doesn't?

Hope you find it useful! Thanks for reading.....73 de NB3C.

(SEE THE PICS OF THE PROGRAM IN USE ON PAGE 12)

A (semi) frequent feature where I try to highlight sites I hope you, my captive readers will find useful & enjoyable. YE OLDE EDITOR'S DISCLAIMER: I have no interest, either pecuniary or monetary in the websites described herein. All I wanna do is to add some excitement to an otherwise dull and boring newsletter. Thanks for reading.....73 de NB3C.....

My pick this time around:
The EI8IC Ham Radio Resource Site
<<http://www.mapability.com/ei8ic/>>

This is quite an informative website, with lots of software (lotsa maps & contesting software) available for download. One thing that caught my eye was the contest log analyzer "LogView". This is an online program where you can upload your contest log (in a Cabrillo format) and it will display the location of all your QSOs. You have to register to use this function, but as far as I can see it is absolutely FREE! You know how I like free stuff on the web!

Here's another cool feature for all you IOTA hunters out there: You can generate beam headings and distance from your Maidenhead Grid Square to all of the entities on the IOTA list. Just punch in your locator grid (mine is 'EN90WL') and it'll generate a list grouped by location, which you can pre-select (Africa, Oceania, Antarctica, etc.)

Interested in learning about Rhombics? There is a real nice link set up here with all kinds of topics and discussions on this antenna type. Same for those of you who enjoy HF contesting; lots of topics to educate you on this popular operating activity.

As I mentioned before, there are lots of maps available for download, all of them FREE. Check out the 'NAOMI' maps (North American Overlay Mapper) and the 'GOM' maps (Global Overlay Mapper). These are Windows programs and are both free to download. You have the ability to create maps of the CQ zones, ITU zones, time zones, and many more. (This just might be a 'Software of the Month' review in the future.....Stay tuned to these pages.)

Clicking on the 'Ham Links' tab on the left of the home page will take you to many interesting topics of discussion, such as: Antennas, Contesting/Contesters, Propagation, Software (available for download), Hardware, Towers, and Amateur Radio-related webthings.

Now, I've only scratched the surface here; my advice is to check it out yourself. I think you'll find a lot of useful stuff here, especially in the software available for download. A very nice, well-organized site, I demand that you bookmark it for future reference; you'll be glad you did!

That's it this time around! Thanks for reading (or snoozing) along with me.....73 de NB3C.....



Next VE session: Monday June 14 at the clubhouse.

Testing starts promptly at 7:00PM.

Please arrive by 6:45PM to complete all of the necessary paperwork.

For more info, contact Mark Strayer, AI3J @ 412-833-6049 or shoot him an E-Mail: <ai3j@w3kwh.com>.

Pre-registration is recommended.

Walk-Ins are limited and any type of disability must be pre-registered.

Remember that cool train-trip to ARRL HQ that fellow SCARC'er Bob NU3Q is planning? Good news: It's a GO! I have enclosed a .pdf file in this month's issue; you can get the full poop there. Don't forget to take along your license, so you can operate W1AW. It'll be on August 12-14.

Any questions/comments/concerns can be addressed to Bob, NU3Q at:

<nu3q@nu3q.com>

Let him know ASAP if you are going so he can plan for rent-a-cars and such.

EME, SCARC-style.....

Today was the first time I copied them on CW and JT-65. CW was tough copy in and out of the noise but I got a lot of good decodes on JT-65. I called them on JT-65 but didn't work them. Its pretty hard to do when you don't know exactly what frequency they are listening on. I extended my quagi to 15 elements but maybe it wasn't working too well, I was thinking signals would be better. I used number 10 TW with the insulation on for the directors, maybe that wasn't good. I could hear the CW signal on my Kenwood HT that receives SSB & CW, that was with only about 6 inches of feedline. For the main setup I probably only had about 10 feed of coax before the preamp. The best decode I had was -19, thought it would be better....de Doug, W3HH....



Doug's comments seem to be on par with other hams that have posted reception reports to the VHF contest and microwave reflectors as well as the DX Summit spots for the event using a single yagi and a UHF transceiver with SSB/CW capability.

At W3KWH we saw a few voice peaks on SSB from KP4AO that were close to S1 on my FT-847 transceiver, which I would say was the strongest signals received. I checked what "S1" was in terms of power with a signal generator, and it turned out to be in the -119 to -120 dBm range (-120db is 120 decibels or 1 billion times weaker than 1 milliwatt). KP4AO was reported to be running 400 watts output with 60db of antenna gain (400,000,000 watts ERP).

The lower limit of the FT-847 with the internal preamp was in the -140 dbm range, and much of the time, KP4AO was at -130 dbm range or higher. We also used the preamp in the RF Concepts 100W amplifier and that did improve signal levels somewhat, but it also made the FT-847 susceptible to front end overload noise from all the local UHF RF sources. (A situation with a preamp driving another preamp). At high dish elevations the preamp-driving-preamp approach was less susceptible to terrestrial noise. A bandpass filter would probably would have helped. (CONTINUED ON NEXT PAGE)

I'm not sure if the increase in broadband noise is from all the RF coming off the cell phone tower and some of that power being rectified by all the rusty tower structures, or if it is the net total of all the broadband noise from the local TV stations, other sources, or some combination. The time spent on the project did confirm that the 11 foot dish is approximately equal to a set of four 15 to 20 foot long boom yagis on 432 MHz and close to the calculated gain of 21 dbi for a 3.35 meter (11 foot) dish with 55 percent efficiency. We could move the dish several degrees in either direction and still hear KP4AO. Finding them and keeping the dish on the moon with cloud cover and no position indicators was a bit of a challenge. When KP4AO was on SSB their

W3KWH ops in attendance for the EME event:

Joe-WB3AGB,
Carl-WA3VXJ,
John-N3EQP,
Nate-W3SVJ,
Walt-KA3YNO,
George-W3ANX,
Tim-W3WTW,
Mike-WA3TTS,
Billy-N3VEF



transmissions were fairly short, often around 5 seconds, which left little time for manual dish pointing. Still, we had a good time of it and learned a few things along the way, which beats watching golf on the TV for a weekend afternoon.....

It may be fun to point the dish out to the east near the horizon and call CQ during a VHF or sprint contest, just to see what we can work one of these days. Thanks for listening, 73 Mike WA3TTS.....



EME, SCARC-style: From the other side.....

Many thanks for your report and the great picture. As it happens, I spent an hour or so last evening "tuning the band" in one of our wideband recordings, and W3KWH was one of the first calls I copied. Your signal was a good 579 in CW. Next time, I hope we'll get you in the log!

-- 73, Joe, K1JT (one of the ops at KP4AO at the Arecibo Observatory in Puerto Rico) in an E-Mail to WA3TTS

More from K1JT: Many thanks to all who sent reports of small antennas used to copy KP4AO, and QRP systems used to work us.

In case you haven't seen them, be sure to check out the OK1TEH reception of KP4AO in JT65B with a "rubber ducky" antenna at:

http://ok1teh.nagano.cz/emepic/kp4ao_at_ok1teh_eme.png

and also the AF1TW1MKY "pickle dipole" at the end of the excellent video at:

<http://www.youtube.com/watch?v=ZutOfYLPIMY>

As I mentioned here before, we made recordings of the whole 432 MHz EME sub-band for much of the time KP4AO was on the air. With appropriate software (e.g., SpectraVue or Linrad) it's possible to "tune the band" in these recordings, picking out callsigns. I spent an hour doing this, last evening. Here's a sorted list of the CW calls I scribbled down as I listened:

9A5SG 9H1BT AE6EQ DF1HF DF1VB DF3RL DJ1RPL DJ5BV DJ8MS DK2ZF
DK7AN DK9TF DL3HXS DL5RDI DL6SH DL7FF E73O F2CT F5SE/P F6BCU
G3LQR HB9BZA IK1HWG IK6EIW K1DS K1DY K2TXB K4RTS K6AAW K6TSK
K7NT K7XC K7XQ KB8U KE7L KH7Y KL7HFQ LA0BY LU1C N2NQI N4SCS
N8OL NA6MF OH3HLJ OH6NVQ OK1VVT OK1YK OK2GMO OK2UYZ OM5CM
ON5OF PA2CHR PA3DOL RW6AG SF6X SM7GEP SP3YDE SP6ITF UR6IWZ
UT5CW UT5JCW VE2JWH W1FKF W1MKY W2CNS W3EP **W3KWH** W3SZ W4DEX
W7CS W7IY WA2ODO WA3DRC WA3XX WA9KRT WB2SIH WB6JZY WW1M YL2HA
YL2OK YT2RA



Sez Mike, WA3TTS: With an 11 foot .4 dish and 2 EL yagi feed and approximately 1db feed line loss KP4AO occasionally reached s1 on SSB with a 2.3 KHz Collins filter in an FT-847 (preamp on). Subsequent receiver testing with a wavetek 2001A and attenuator set showed "S1" to be approximately -120 dbm on the FT-847. I would estimate the average signal between -120 and -130 dbm from listening on Saturday and Sunday afternoon. That seems to be consistent with the path loss at 432 $(TX + 56) + (TX ANT + 60) + (RX ANT + 21.1) = +136 - 262 = -126$ dbm. I used the call W3KWH (Steel City ARC) and operated around $(\pm 1 \text{ KHz}) .058$ and $.067$ with about 100 watts output on Saturday. We heard you on Sunday but had to wait for higher elevations to overcome local UHF noise and by that time you were in WSJT mode,

which we could not operate. It was much easier to point the dish manually with the longer WSJT TX sequence as the 5 second SSB transmissions were a bit of a challenge for manual dish pointing without position indicators. If you find our CW signal in the mix it would be great to have a report and estimated signal level to share with our club members. Thanks for all your efforts. 73, Mike WA3TTS (in an E-Mail to K1JT)

Software of the month.....(from page 7)

CC User KQ3DX @ K1EA (Spider)

Configuration Set Reflector Help

***Connected to: K1EA Disconnect 22 Apr 22:09:14

<- SH/WWU

Date	Hour	SFI	A	K	Forecast	Logger
22-Apr-2010	21	76	4	2	No Storms -> No Storms	<UE7CC>
22-Apr-2010	18	76	6	2	No Storms -> No Storms	<N5IN>
22-Apr-2010	15	76	6	1	No Storms -> No Storms	<UE7CC>
22-Apr-2010	12	76	6	1	No Storms -> No Storms	<UE7CC>
22-Apr-2010	09	76	6	2	No Storms -> No Storms	<UE7CC>

KQ3DX de K1EA 22-Apr-2010 2209Z 2.3807 dxspider >

Spotter	Node	Freq	DX	DxQTH	Deg	mile	Time
EA7IQQ	EA4RCH-5	14170.0	EA7IQQ	EA	68	3946	2204Z CQ CQ CQ DX CQ CQ DX
DL2DSL	K1TTT-14	14023.1	A65CA	A6	41	7045	2205Z cq NA
VE1DX	VE1DXI	14017.2	OX3XR	OX	32	2096	2205Z
WP4NEG	KA5EYH-2	18125.0	AB3AH	W	111	178	2205Z 59 in wp4
MU0FAL	GB7DJK	14015.0	TC57A	TA	46	5469	2212Z op Ahmet
N3DG	9A0DXC	14017.0	OX3XR	OX	32	2096	2205Z
K3TN	WR3L	14013.6	5N5OK	5N	89	5588	2206Z
CT2HHM	K4UGA	21285.0	HI3/W1JNZ	HI	155	1634	2206Z GOOD COPY IN CT
F8FGU	HB9DRV-9	7089.0	UT1WR	UR	39	4890	2206Z TNX LEONID
PY2GFR	K1TTT-14	14071.1	DJ5VB	DL	47	3999	2206Z op Viktor
I28DPJ	K1EA	18128.5	VA3PL	VE	15	216	2206Z Andy 59
K8MEM	EA6VQ-1	28418.0	KP2BH	KP2	146	1826	2207Z EN82KP<ES>FK77NQ
PD1RK	PY1NB-4	14226.1	HK1W	HK	170	2508	2207Z tu 59
N3QVB	GB7DJK	21290.0	CT1EHI	CT	67	3672	2213Z
DL8PM	K1TTT-14	7024.0	JT1DA	JT	355	6317	2207Z tn timer qso
I20IMW	I20AWG-6	14008.0	YV5TF	YV	155	2222	2206Z tn timer upl
N9VPV	N5IN	28418.0	KP2BH	KP2	146	1826	2207Z
DL/PY2GFR	OH8X-12	14071.1	DJ5VB	DL	47	3999	2206Z op Viktor
K4FP	KN4F	14214.0	EA3JE	EA	63	3881	2207Z
K3TN	WR3L	14015.0	TC57A	TA	46	5469	2207Z
N3DG	9A0DXC	14015.0	TC57A	TA	46	5469	2208Z Ahmet is Rocking
CT2HHM	K4UGA	21300.0	CT2GSN	CT	67	3672	2208Z CQCQDX
K4GH	VE7CC-1	21285.0	HI3/W1JNZ	HI	155	1634	2208Z 59 in in NC
KB3NXT	OH8X-12	28418.0	KP2BH	KP2	146	1826	2207Z 5-9 into Pa.
K3TN	WR3L	14015.0	TC57A	TA	46	5469	2209Z my call error

Chat Log Fix Alarm Clear ALL Clear Sound Ann Spot Get ALL

ALL		96
160		
80	2	2
40	13	13
30	10	10
20	51	51
17	7	7
15	7	7
12		
10	6	6
6		
Alarm		
GMF: Quiet		
SFI=76 A=4 K=2		

This is a shot of the program in use on the shack computer. At the top blue box, you'll see the 'raw' data being displayed. Right below it are all the DX spots being displayed. To the right of the DX spots box is the band selection box. Here you'll see the number of spots per band, total number of spots for each band and the WWV solar data displayed in green below it. That very bottom blue box under the DX spots is the box where you would send a spot to the cluster, usually in this format: "DX 14220.00 W3KWH loud in PA".

The cluster will automatically format it, adding your call, and node to the spot. The comments "loud in PA" would be added at the end of the spot. Simply hit the <enter> key and you should see your spot within seconds. It'll also calculate the bearing and distance from you to the station and add that to the spot.

In the box to the right is the band selection box close up. Here, you can color-code each band to differentiate between bands, as seen above. In this instance, 98 spots have been displayed since I logged in, 51 spots total on 20M, with 51 spots not viewed by me (in other words, I have not checked 20M yet). The right column displays total spots on that band, and the left column displays the total number of spots not yet viewed by me. You also have the ability to add or delete bands; for instance: If you don't want 160M spots displayed, you can delete that band. You can also add the VHF/UHF bands too. This is all done via the 'Configuration' option as seen at the top left of the program window.

Underneath the band display, you'll see the current WWV solar data displayed. A green background indicates good, quiet conditions, a yellow background indicates possible storm disruption, and red indicates a major event, such as a solar flare.

(MORE PICS ON THE NEXT PAGE)

ALL		98
160		
80	2	2
40	14	14
30	10	10
20	51	51
17	8	8
15	7	7
12		
10	6	6
6		
Alarm		
GMF: Quiet		
SFI=76 A=4 K=2		

Software Of The Month..(from page 12)

KiloWatt Harmonics, May 2010
Page 13 (click for Table of Contents)

DX Spots

Expanded DX Spot Display

- ☒ Spotter (always on)
- ☒ Node
- ☒ Frequency (always on)
- ☒ DX Call (always on)
- ☒ DX Cty
- ☒ Bearing
- ☒ Distance ☐ km
- ☐ DX State
- ☐ DX CQ Zone
- ☐ DX ITU Zone
- ☐ DX Grid
- ☐ Orig Cty
- ☐ Orig State
- ☐ Orig CQ Zone
- ☐ Orig ITU Zone
- ☐ Orig Grid
- ☒ Time (always on)
- ☐ Date
- ☒ Comments
- ☐ Country Name
- ☐ Spotter IP

Display

☐ Classic ☒ Expanded

Node is DX Spider

Cancel Apply

User Info

Callsign Cluster Password (if req)

KQ3DX

Name GMT Offset

Greg -4

QTH Grid Square

Pittsburgh, PA. EN98WL

Cluster

DX.N3RA.C

E-Mail Address

KQ3DX@hotmail.com

Latitude Longitude

Deg	Min	N/S	Deg	Min	E/W
40	29	N	80	7	W

Items in RED are required.
Other items are optional.

Exit Ok

In the pics above are some of the program set up boxes and dialogue you will run across. On the left, you'll see that you can set up the info that you want displayed. Simply check (or un-check) the boxes, and the main display window as seen on the previous page will update your changes after clicking on the 'Apply' button above.

On the right side, you'll see the box you will use to set up your personal info (call, E-Mail, and coordinates/ grid square). I'VE NEVER RUN INTO A SITUATION WHERE A PASSWORD WAS NEEDED TO ACCESS A CLUSTER. THEREFORE, LEAVE THIS BLANK AS IN THE ABOVE EXAMPLE.

In the box below, is the setup window for selecting your node to connect to. There's a whole bunch'a different ones from all over the world you can select from. Simply scroll and select, then click 'Apply' and then 'Exit'. (via 'Configuration', then Cluster (Telnet)).

Remember, this is just a brief overview of this program. However, it is very user-friendly, and you should not run into any problems in setting it up. Help is available in the program should you need it. Much more info is available here than you would see on MS Telnet or on the popular 'Radio Arcata' website. A few minutes of your time for a one-time setup and you are good to go!

Select Telnet Cluster

Node

VE7CC-1	CC Cluster
GB7DXS	CC Cluster
GB7XDX-1	CC Cluster
J12201-9	CC Cluster
K3NC	CC Cluster
K4AU	CC Cluster
K8SMC	CC Cluster
N4ZKF-1	CC Cluster

Exit

I hope you find it useful.....I know I do. Thanks for reading along.....73 de NB3C.

'Discover Homebrew': Something new @ Hamvention 2010

Discover Homebrew
Demonstration Area
From Hams, for Hams – Come and Share!

The 'Discover Homebrew' demonstration area, a new feature this year at Hamvention, will be held in the North Hall. Sponsored by Hamvention and supported by the members of the Midwest VHF/UHF Society (MVUS), the demo area will provide anyone an opportunity to show off your project(s) to everyone at the show. Located in booths 179,180,191,192,203,204, 215, and 216 in the North Hall, there will be 6 eight foot tables available to accommodate many homebrewers simultaneously. We will provide AC power and HF (and possibly VHF) antenna access.

Discover Homebrew is available during Inside Exhibits hours on Friday and Saturday. This is an informal activity so that you can have casual conversations and answer questions with the people who stop by.

Discover Homebrew is open to anyone to show their homebrew equipment, so if YOU have something you would like to show off, BRING IT to Dayton! The demo area will operate on an open schedule basis, meaning that you can be there when you want for as long as you want, space permitting. A sign-in sheet where you can record your project description, contact information and time(s) you will be demonstrating will be available. We want to help people find you if they have questions or missed your demo. Of course, all of that is optional, although we would at least like you to record the when you were there, and a brief description of your project. For the more ambitious, we will provide space for you to leave handouts about your creation.

We do insist that you do not conduct any sales from the demo area, as a courtesy to our paying exhibitors. If you have commercial plans for your project, it is fine to go ahead and talk about them.

If you have any questions, concerns, or suggestions (Hey, this is our first crack at it, so we expect to learn a thing or two in the process), please contact us at exhibits@hamvention.org.

We look forward to seeing your designs & creations!

73,
Scott Myers AC8DE
Chairman of Inside Exhibits

Dayton Hamvention
Inside Exhibits Committee

Courtesy of the Hamvention
Website.



Steel City Swap 'n Shop.....

The following items are for sale by your friendly neighborhood newsletter editor:

To the left we have a Kenwood TM(D)-700A, 2M/440 Dual-Band FM Transceiver. Comes complete with the following: Rig, hand mic, mobile mounting bracket, box, original instructions, and a copy of the instructions (8x11). Very clean, used in my mobile setup, but not abused. Packet TNC built-in. APRS ready, simply add a GPS unit and you are good to go APRS.



I'm asking \$250.00 FIRM for this unit. I'll be glad to bring it up to the club so you can inspect before you buy.

For more info, shoot me an E-Mail to: [<KQ3DX@hotmail.com>](mailto:KQ3DX@hotmail.com). I'll be happy to answer any questions you might have. Thanks for looking!!

This here is a Yaesu FT-100D all band 160-10M, PLUS 6M, 2M & 440MHz ALL-MODE transceiver. Also an extremely clean unit. Again, it was used in my mobile installation, but not abused. 100 watts max on 160-6M, 50 watts max on 2M, 35 watts max on 440MHz. Comes with the following, rig, hand mic, mobile mounting bracket, box, original instructions, a copy of the instructions (8x11). Also has the optional CW filter installed. \$400.00 FIRM. For an extra 50 bucks, I'll throw in the Yaesu ATAS-100 antenna. This is a screwdriver type antenna, which the radio can tune directly for each band (except 80 & 160M).



Both of these radios work fine; no issues with either one. Again, I'll be glad to bring 'em up to the club so you can inspect before you buy.

Shoot me an E-Mail to [<KQ3DX@hotmail.com>](mailto:KQ3DX@hotmail.com) with any questions you might have. Thanks for looking! 73 de NB3C

Prez Sez Pics (from page 5)

To the right: that's a picture of the Arecibo Observatory in Puerto Rico, where KP4AO was active a few weeks ago on EME. While we didn't make it into the log, they DID hear us after the fact. Thanks to WA3TTS et al for making history at SCARC in their attempt. (See PP 9 & 11)

Below: Congratulations to fellow SCARC'er Bob, KB3NZX, son of our esteemed Club Prez, Bob 'HDI who is a veteran (3 years!) of the NTHS (National Technical Honor Society), sort of a sister to the National Honor Society (NHS) but geared (pun intended.....HA HA) to those who are technically inclined. Congratulations from the entire SCARC gang, Bob!



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

May 2010

The Steel City ARC Monthly Contest/Event Planner

June 2010
 S M T W T F S
 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

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

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

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16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

June 2010

The Steel City ARC Monthly Contest/Event Planner

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting	2 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday	3 SkyView 2M Net WACOM Business Meeting	4 NCCC Sprint Ladder	5 Digifest Wake Up! QRP Sprint SEANET Contest IARU Region FD CW RSGB Nat'l FD AL QSO Party
6 <i>Breezeshooters Hamfest</i> Digifest/DARC 10M Digi SEANET Contest IARU Region 1 FD CW RSGB Nat'l FD AL QSO Party	7 Breezeshooters Net GPVHF Business Meeting RSGB Club Champ 80M Digi	8 WACOM 2M Net WACOM 10M Net 222 Tuesday ARS Spartan Sprint	9 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting NAQCC Key/Bug Sprint	10 SkyView 2M Net WASH Business Meeting	11 NCCC Sprint Ladder	12 Portugal Day Test VK Shires Test DRCG RTTY Test Asia/Pacific Sprint SSB BARTG Sprint 75 ARRL June VHF QSO ...
13 WASH 2M Net DRCG RTTY Test GACW WWSA CW Test REF DDFM 6M Test WAB 50Mhz Phone	14 Breezeshooters Net	15 <i>SCARC Business Meeting</i> WACOM 2M Net WACOM 10M Net 222 Tuesday	16 Alleg Co. ARES Net WACOM YL Net 144 Wednesday SARL Youth Day Sprint RSGB 80M Club Champ CW	17 SkyView 2M Net	18 NCCC Sprint Ladder	19 SMIRK Test All Asian DX Test CW WVA QSO Party Kid's Day Test Feld-Hell Test
ARRL June VHF QSO Party						
20 WASH 2M Net SMIRK Test All Asian DX Test CW WVA QSO Party	21 Breezeshooters Net Run For The Bacon QRP Test	22 WACOM 2M Net WACOM 10M Net 222 Tuesday	23 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday SKCC Sprint	24 SkyView 2M Net RSGB 80M Club Champ SSB	25	26 <i>ARRL Field Day</i> WASH Breakfast Ukrainian DX Digi Test King Of Spain Test SSB Marconi Memorial HF Test
27 <i>ARRL Field Day</i> WASH 2M Net Ukrainian DX Digi Test King Of Spain Test SSB Marconi Memorial HF Test SARL Digi Test	28 Breezeshooters Net	29 WACOM 2M Net WACOM 10M Net 222 Tuesday	30 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday			

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

BreezeShooters

THIS IS AN ARRL SANCTIONED HAMFEST

HAMFEST 2010 and COMPUTER SHOW

Web Site <http://www.breezeshooters.net>

Email: hamfest2010@breezeshooters.net

General Hamfest Chairman : **Bob Benna N3LWP (412) 366-0488**

BUTLER FARM SHOW GROUNDS

SUNDAY * June 6, 2010 * 8 A.M. to 3 P.M.

TABLE SELECTION ON A FIRST COME FIRST SERVED BASIS, SO APPLY TODAY!

Indoor Tables are **\$20.00 per table** and may be reserved by contacting Bob Benna, N3LWP (412) 366-0488 Fax (412) 366-0486 or mail to : P.O. Box 101018; Pittsburgh, PA 15237 - Table reservation **Cut-off Date May 20th**

PRIZES

Main Prize Drawing at 3:00 pm -- Winners need not be present to claim main prizes

- 1st Yaesu FT-2000 160-6 Base

2nd Kenwood TS-480 160-6 Base

3rd Ameritron AL-811 Amplifier

4th Icom ID-880H 2M/440 D-Star

5th DV-Dongle D-Star Adapter
- 6th MFJ-259B Antenna Analyzer

7th LDG AT-100 Pro Antenna Tuner

8th Rig Blaster Interface

9th KJI Electronics \$150 Gift Cert

10th \$100 Cash Prize

===== Ten half hour prizes consisting IC-V80 2 meter Handhelds =====

Dell Laptop Computer: Intel Processor, 17" Display, Windows 7, 3 GB RAM,
250 GB HDD, DVD+/RW, Wireless LAN

Prizes subject to availability

Icom, Yaesu, Kenwood & MFJ prizes from K JI Electronic

** \$5.00 PER PERSON **
ADMISSION DONATION

Includes Misc. small prize drawings during the Hamfest.
CHILDREN UNDER 12 YEARS OF AGE ADMITTED FREE

TAILGATE/FLEA MARKET
SPACES AVAILABLE AT
\$5.00 PER SPACE

FARM SHOW GROUNDS OPEN AT
5:00 P.M. SATURDAY JUNE 5, 2010
FOR VENDORS AND TAILGATER SETUP,

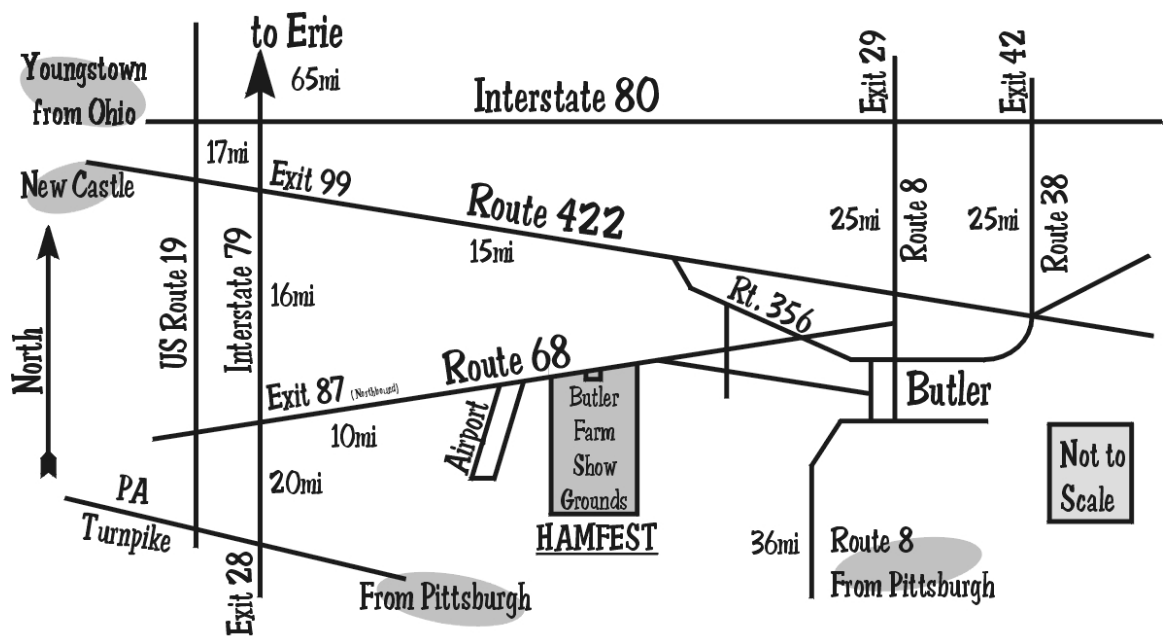
MAIN PRIZES - ADVANCED TICKET SALES						
HAM PRIZES	\$2 EACH	3 FOR \$5	7 FOR \$10	15 FOR \$20	40 FOR \$50	90 FOR \$100
COMPUTER	\$2 EACH	3 FOR \$5	7 FOR \$10	15 FOR \$20	40 FOR \$50	90 FOR \$100
ENCLOSED CHECK IN THE AMOUNT OF: _____	SEND SELF ADDRESSED STAMPED ENVELOPE TO: ADVANCE TICKET SALES BREEZESHOOTERS HAMFEST P.O.BOX 101018 PITTSBURGH, PA 15237					
Send THE TICKETS INDICATED. MAKE CHECK PAYABLE TO THE BREEZESHOOTERS, INC., MAIL DEADLINE MAY 20, 2010 PRIZE CLAIM TICKETS RETURNED IN YOUR SASE!						
NAME:		I CALL		I PHONE #:		
ADDRESS:						
CITY:		STATE:			ZIP:	

Check www.breezeshooters.net for updates and forums.

VE Testing by the ELLWOOD CITY Amateur Radio Association 12 Noon till ?

Testing will begin at Noon. If you are only coming for the test sessions, please let the ticket sales people at the entrance know and they will instruct you where to park and the location of the testing. Registration is **not required** however you may register on their web site: www.qsl.net/ecara/register_1.html

30 Acres of outdoor flea market area, over 20,000 sq ft of indoor vendor space available @ \$20 per table * 25 Acres of parking * Handicap parking available * Overnight campers welcome, hookups \$10 * Food and drink sold at the hamfest by Breezeshooters concessionaire, No other food or drink sales! Everyone attending is responsible for their own actions and behavior * No firearms permitted



DIRECTION AND TALK-IN: 147.300+ REPEATER

Latitude North 40 deg 51.440min. (40.857333) Longitude West 79 deg. 58.398 min. (-79.9733)
Butler Farm Show Grounds, 627 Evans City Road, Butler, PA 16001

SCARC DUES RENEWAL FORM FOR THE CALENDAR YEAR 2010

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE NUMBERS:

Day _____ Evening _____

BIRTHDATE _____ LICENSE CLASS _____ Exp _____

EMAIL: _____

Would you like the newsletter E-Mailed to you ? (Circle One) **YES NO**
(Please provide E-Mail address above)

Please indicate if you are also an ARRL Member. (Circle One) **YES NO**

ARRL information is requested to keep our ARRL affiliation current

Membership rates:

Regular Member: \$50.00

Retired member (Over 65): \$50.00

Additional Family Member: \$15.00

DX Member: \$15.00

**Per SCARC Constitution Article VII, section & By-Laws,
dues must be paid by the regular meeting in April.**

Payment by check payable to: STEEL CITY AMATEUR RADIO CLUB is preferred. Please indicate your call sign on your check. Your cancelled check serves as your receipt. Payments can be mailed to the P.O. Box on the back of the newsletter or to the treasurer:

**Walt Adkins KA3YNO, Steel City Amateur Radio Club
476 First Street, Heidelberg, PA 15106 -OR-**

**SCARC, P.O. Box 281
Carnegie, PA 15106**

Of course payment will be accepted on Wednesday evenings and on the meeting nights. Your early renewal assures your continued access to the clubhouse and permits better planning of club activities.

Kilo Watt Harmonics

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



W3KWH

Lots of important stuff about Dayton inside! Also, check out the article about our EME ops from W3KWH! It's all inside this issue.

**NEXT
MEETING:
8PM
18 MAY**



**BE SURE AND
CHECK OUT OUR
COOL WEBSITE:**

<www.w3kwh.com>



Steel City Amateur Radio Club
P.O. Box 281
Carnegie, Pennsylvania 15106
Phone 412-787-0777
Editor: Greg Babin, NB3C
<KO3DX@hotmail.com>

