

JULY | 2010 | ISSUE 7

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AUGUST

**OUR NEXT MEETING: JULY 20, 8PM @
THE CLUBHOUSE. MEETING STARTS
AT 8:00PM. COME FOR THE MEETING,
STAY FOR THE FINE FOOD AND
SOCIALIZING AFTERWARDS.**



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

Kilo Watt Harmonics

**REMEMBER: KEEP ME IN THE
LOOP ON LOCAL EVENTS.
JUST BECAUSE YOU KNOW
DOESN'T MEAN I KNOW!**

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

The Prez Sez....

Hot enuff for ya? Or would you rather have 3 feet of snow? Either way, it's an ADVENTURE!

The snow will return soon enough with all of its FUN so in the mean time stay hydrated and cool as possible especially for those that have to work in the yard or garden or any activity whether indoor or out. Even walking around the Hamfests can take a lot out of you. My hat is off to Gary KB3CWE who, through some very hot days, managed to chop that huge pile of brush into small bite size bits n pieces!! I was hoping to have all of that pile gone or reduced by Field Day weekend and Gary made my wish come true! Very nice!

Even FD weekend saw a wee bit of weeding by Jay AB3KD and Billy Joe N3VEF. I'm glad you guys didn't push too hard in the temps we were/are having. None-the-less your efforts are greatly appreciated. Billy Joe even made a path in the shed and we even got to sweep part of the floor! Did you know there is a plywood floor in there? Though the theme of the last weekend in June was FD, some chores got done and that weekend was a little bitter-sweet. We lost quite a few years of history at KWH that weekend. It's one of those things that is hard to notice, but when you do it's kind of like...WOW, and then you don't mind losing such historic...umm...hmm...not sure what to call it. Halyna, YL to Bob NZX was one of the crew to hang out for 24+ hours and took it upon herself to rid the club of some history. I know, I know...tell us already..... Halyna, bless her, single handedly scrubbed our kitchen top to bottom! Yeah we lost some history that weekend but I think we will survive!

(CONTINUED ON PAGE 7)



Field Day 2010, SCARC Style

**I COULDN'T FIND ANYWHERE ELSE TO PUT THIS
DEPT: COME ON OUT AND HELP CELEBRATE
SKYVIEW'S 50TH ANNIVERSARY, JULY 17 1-9PM AT
THE SKYVIEW CLUBHOUSE. ALL ARE INVITED!**

Dayton Hamvention, Breezeshooters, Field Day! Time sure goes by in a hurry, don't it? Yeah, we put together a category '3E' operation for ARRL Field Day 2010, and had a nice little turnout. We did pretty darn good too, if I do say so myself. Here's the 'raw' data I got off the computer the day after: Total CW QSOs: 264, total phone QSOs: 386, total digital QSOs: 47. Total points: 1008, total QSOs: 697. There weren't too many sections we missed but these are the ones we didn't get: KL7, Newfoundland, Manitoba, Saskatchewan, & Northern Territories, all in Canada. We worked W1AW on 3 different bands, which I believe counts for 100 points each time. I've got some pics of those who showed up in action and you can check them out starting on **page 9**. If you showed up, thanks for helping out. If you didn't, where were you?? 73 de NB3C et al.....

Deadline for submissions for the August newsletter will be Friday, August 6. The newsletter will be published on or about Sunday, August 8.

The Info Page

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KiloWatt Harmonics

July 2010

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Amateur Radio Club

Editor: Greg Babin, NB3C

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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) 1W 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:
WA3TTS, N3MSE, WB3HDI, N3EQP,
WA3FWA, N3LLR, NU3Q, WA3YOA,
ARRL. THANKS ALL, FOR
YOUR EFFORTS.

Business Meeting Minutes: June 2010

The Meeting was conducted by President WB3HDI Bob at 8 PM with a Pledge of Allegiance followed by a Moment of Silence for our Silent Keys. The Roll Call was answered by 26 members and 9 visitors. The Minutes of the May meeting was accepted as published in the June newsletter. The Treasurer's Report was given by Treasurer KA3YNO Walt and was accepted by the membership.

Committee Reports

- ⇒ **Clubhouse** N3SBF Ritchie, KB3GMN Carol and KB3NZX Bob are working the kitchen for after meeting treats. Bob HDI reports that the collected weed and shrub pile is gradually being disposed of.
- ⇒ **Contest** W3WTW Tim gave the VHF contest results; 9 members operated 302 QSO's for 53,936 points. Funds were allocated for the upcoming Field Day contest.
- ⇒ **Technical** Last Wednesday, WA3TTS Mike displayed a receiver that could be used on our ATV repeater. He installed a 10 Ghz antenna on our 50 ft. tower, a 6 M beacon on KDKA's tower and managed to work Vermont on 900 Mhz during the VHF contest. W3LA Len has some material available for our KT34 yagi, which will save us some money.
- ⇒ **Membership** WA3BKD Art gave 3rd reading for AB3KD Jay and only required reading for former member W3LA Len who were both voted into the membership. He gave the 2ed reading for KB3UEE Mike. Welcome Jay and Len!
- ⇒ **Newsletter** NB3C Greg wants a new membership roster. If John N3EQP will send him a list of the library books available he will print it in the newsletter. NU3Q Bob will send Greg the Train Trip to the ARRL doc to print in the newsletter. Greg will demonstrate the remote operation of his home station that he described in the newsletter.
- ⇒ **Public Service** KA3JKS Sue reported that KA3MSE Lloyd, WB3CRC Dale, N3EQP John, WA3PYU Mike and KA3VXM Cathy worked the Skywarn station during the recent severe weather. NU3Q Bob will host an ARES presentation by K3FKI Jerry and KA3TDQ Joe after the meeting. N3EQP John presented a new library book that had been on back order.
- ⇒ **Ways and Means** Joe WA3FWA will collect any outgoing QSL cards for the bureau, run the 50/50 raffle after the meeting and displayed 3 certificates the club earned for contests entered. We received raffle tickets from the Collier Twp. Volunteer Fire Dept. for their fund raising. The membership decided to buy the tickets and to donate any possible winnings back to the fire dept. He also elaborated about the HT raffle.
- ⇒ **Volunteer Exams** AI3J Mark reported that there were no entrants for the recent scheduled exam session. The next will be held in September.
- ⇒ **Old Business** AB3KD Jay reported that the Wings Over Pittsburgh Air Show will be held on the weekend of Sept. 11 and 12. He is seeking info about a possible public event station set up during the show.
- ⇒ **Good of the Order** W3SVJ Nate described the club's promotional display at the Breeze Shooters Hamfest with information cards and copies of the club newsletter. Bob offered the club's condolence to KA3JQA Joe for the recent loss of his wife.
- ⇒ **Motion to Adjourn** by WB3HDI Bob followed by the ARES presentation with NU3Q Bob.



50/50 raffle won by NB3C Greg
Minutes submitted by Recording Secretary WA3FWA Joe.

**NEXT MEETING: "MOON DAY", JULY 20,
8PM. CU THERE!!**

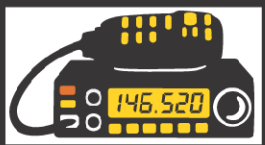
ARRL WPA Section News

The Breezeshooters hamfest was a good success even if the weather did not fully cooperate with us. We had a few outbursts of rain but quite a few braved the weather and attended. The next hamfests will be in July with Union City on July 11, North hills on July 12 and Somerset on July 18. Additional information regarding hamfests is available at the league website <<http://www.arrl.org/hamfests/search>>. For me hamfests are a time to chat with old friends and to make new ones. I get the opportunity to hear from the members of the section any issues that they have and see if I can assist in resolving these problems. Of course walking around and checking the goodies the various vendors have to offer is enjoyable as well. While I have little open space on the desk in the shack I still dream about the new equipment. When you attend a hamfest please stop by the ARRL table and say 'Hi'.

**WHEN
ALL
ELSE
FAILS...**



**AMATEUR
RADIO**



WWW.ARRL.ORG

Some people feel that all our radios are permanently installed in vehicle 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.

I am pleased to announce that effective July 1, 2010 Bob Bashaw, W3ZEH has accepted the position of Section Traffic Manager, Western Pennsylvania section. Bob will fill the vacancy created when Christie Albert N3YTD stepped down last year. I have been handling her duties during this time. Bob is active in both the CW nets and the two meter nets and handles a great deal of traffic each month. He will also be joining the section phone net evenings at 6 PM on 3983.

Bob is from the Donegal area and can be reached at <w3zeh@arrl.net>. I ask everyone to give Bob the help and support they have shown me while I was filling in. Thanks Bob for stepping up and taking on this function.

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. The CW net is at 3585 at 7 PM local time. Join the nets and lets all get Radio Active.

73

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

(MORE ARRL WPA NEWS ON PAGE 17)

Last month I reported on the recent article by Harry Bloomberg and Dave Kleber. I have received many comments on the NBEMS platform. For those interested check out the excellent web page at <<http://www.wpanbems.org/>>. Software information as well as the schedule for the various nets in the section using NBEMS is posted at the site. Software is free and does not even require a user interface to operate. All translation is handled via the sound card. I am using a hand held and a net book for easy portable operation. I am looking forward to trying this while operating mobile HF in the near future.

I urge every amateur and their relatives and friends to write, email or call their state senators and representatives to oppose the passage of HB-20070 unless specific language is added to exempt amateur radio devices from the bill. Some legisla-

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News From The National Front.....

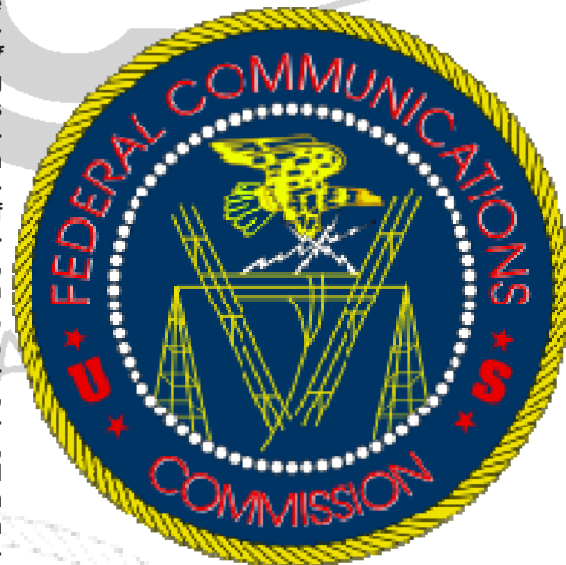
Gleaned from various issues of the ARRL Bulletin. Thanks to ARRL for permission to reprint here.

⇒ FCC SEEKS COMMENTS ON AMATEUR 5 MHZ (60 METERS) ALLOCATION

In May, the FCC released a *Notice of Proposed Rulemaking (NPRM)* -- ET Docket No 10-98 -- proposing to amend the Part 97 rules governing the Amateur Radio Service. Specifically, the Commission looks to modify the rules pertaining to the use of five channels in the 5330.6-5406.4 kHz band (60 meters) to replace one designated channel with one that is less encumbered, to authorize three additional emission designators and to increase the maximum authorized power in this band. On June 15, a summary of the *NPRM* was published in the *Federal Register*, which started the clock on the deadline for comments. Comments must be filed on or before July 15, 2010 (30 days after publication in the *Federal Register*); reply comments must be filed on or before July 30, 2010 (45 days after publication in the *Federal Register*). Instructions on how to file comments are listed beginning on page 6 of the *NPRM*.

⇒ HR2160 NOW HAS 40 SPONSORS

Last month, another Congressional Representative -- Mike McIntyre (D-NC-7) -- pledged his support for HR 2160, *The Amateur Radio Emergency Communications Enhancement Act of 2009*, bringing the total number of cosponsors to 40, 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), Jeff Fortenberry, (R-NE-1), 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), Greg Walden, WTEQI (R-OR-2), 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.



⇒ ARRL COMMENTS IN FCC SPREAD SPECTRUM PROCEEDING

In response to a 2006 ARRL *Petition* regarding spread spectrum issues, the FCC released a *Notice of Proposed Rule Making (NPRM)* on March 16 (WT Docket No 10-62). The Commission is looking to amend Part 97 to facilitate the use of spread spectrum communications technologies by eliminating the requirement that amateur stations use automatic power control (APC) to reduce transmitter power when the station transmits a spread spectrum (SS) emission, as well as reducing the maximum transmitter power output when transmitting a SS emission. The

⇒ ARRL 500KHz EXPERIMENT SHOWS SLIGHT GROWTH

In the quarterly report for the ARRL's 500 kHz Experimental Station for the period ending May 2010, Experiment Coordinator Fritz Raab, W1FR, reported that since the experiment began in late 2006, 20 of the 32 participating stations are currently active. The FCC's Office of Engineering and Technology granted the WD2XSH experimental license to the ARRL in September of that year. "Our present license grant expires on August 1," Raab said. "We are planning to do an 'as-is' renewal this month." Raab said that during the quarter, one additional QSO was made, bringing the total number of WD2XSH contacts to 405. The WD2XSH Web site has received 511 reports since the end of February, bringing the total number of reports to 11,234 since the beginning of the issuance of the experimental license. Raab said more than 60,000 hours of activity has been logged on the Web site since September 2006. Stations do not have to be members of the experimental team to post reception reports. ARRL filed comments on this matter on June 14, 2010.

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

- ⇒ **SUDAN, ST.** Robert, ST2AR has been QRV on 17 meters around 1730z. QSL direct via S53R.
- ⇒ **PRINCE EDWARD AND MARION ISLAND, ZS8.** Pierre, ZS1HF is QRV as ZS8M from Marion Island, IOTA AF 021. Activity has been on 40, 20 and 17 meters using SSB around 0630 to 1000z and 1230 to 1530z. QSL direct via ZS1X.
- ⇒ **OPERATIONS APPROVED FOR DXCC CREDIT.** The following operations are approved for DXCC credit. Palestine, E4X, 2010 operation and E4/7K1REG, 2000 operation.
- ⇒ **MONGOLIA, JT.** Sank, JT1AS is QRV as JT70AS until the end of 2010 in celebration of his 70th birthday. Activity is on all HF bands using RTTY and PSK. QSL direct to home call.
- ⇒ **PHILIPPINES, DU.** Gerard, F2JD is QRV as DU1/G0SHN for 6 months or more. Activity is on all bands and modes. He will also try to activate some of the IOTA islands while there. QSL via F6AJA.
- ⇒ **ZAMBIA, 9J.** Katsumi, JF1OKX is QRV as 9J2KK from Lusaka until September 2011. Activity is on 80 to 6 meters using some CW and SSB but mainly RTTY, SSTV, PSK31/62 and WSJT. QSL via JK1NSR.
- ⇒ **BAHRAIN, A9.** Dave, A92IO has been QRV on 6 meters around 1530z and around 0330z. QSL direct.
- ⇒ **ANGOLA, D2.** Valeriy, UA0QV is QRV as D2QV. His length of stay is unknown. QSL to home call.
- ⇒ **DJIBOUTI, J2.** Freddy, F5IRO will be QRV as J28RO beginning July 6 and is expected to be here for 2 years. Activity will be on the HF bands using CW, SSB and various digital modes. His activity will be mainly on the weekends and around 1200 to 1300z. QSL direct via F8DFP.
- ⇒ **MONGOLIA, JT.** Ken, K4ZW is QRV as JT5DX from Zuunburen and has been active on 20 meters using CW around 1230 and 1500z. QSL via JT1CO.
- ⇒ **NAMIBIA, V5.** Derek, V51DM is QRV until August 4 and active on 20 meters using SSB and PSK daily. This also includes activity on satellite AO-51. QSL direct.
- ⇒ **LAOS, XW.** Bruce, XW1B will be QRV from Vientiane from July 9 to 21. Activity will be on all bands with an emphasis on 6 meters using CW. QSL direct to E21EIC.
- ⇒ **OPERATION APPROVED FOR DXCC CREDIT.** The following operation is approved for DXCC credit: Crozet Island, FT5WO, for the period from December 1, 2008 through November 30, 2009. If QSOs were rejected for this operation, send an email to <dxcc@arrl.org> with the date of your submission.
- ⇒ **ST. PIERRE AND MIQUELON, FP.** Paul, K9OT and Peg, KB9LIE will be QRV as FP/homecalls from Miquelon, IOTA NA-032, from July 5 to 14. Activity will be on 80 to 10 meters, and possibly 160 and 6 meters, using CW and SSB. This includes an entry in the upcoming IARU contest. QSL to home calls.
- ⇒ **MONGOLIA, JT.** Alex, JT1/IW5ELA, and Giampiero, I5NOC, will be QRV until July 22. They will stay in the capital Ulaanbaatar for one week and may use the station of the radio club. The rest of the time they will travel around showing up mobile from different regions. QSL via bureau or direct to IW5ELA.
- ⇒ **SARDINIA, IS0.** Flaviano, I2MOV, will be active as IS0/I2MOV until the end of September. Activity will be on 40, 30, 20, 17, 15, 12, 10 and 6 meters using mainly CW. QSL via his home call sign, by the Bureau or direct.
- ⇒ **OGASAWARA, JD1.** Koji, JI1LET, will be active as JI1LET/JD1 from Chichijima Island (AS-031) from July 24 to 30. Activity will be on 40 through 6 meters, using CW, SSB and RTTY. QSL via JI1LET by the JARL Bureau or direct.
- ⇒ **PUERTO RICO, KP4.** Members of the Puerto Rico Amateur Radio League (PRARL) will activate special event station K4C until August 1 to celebrate the XXI Central American and Caribbean Games that will take place in Mayaguez. QSL direct to KP4ES.
- ⇒ **BAHAMAS, C6.** Alan, K5AB (C6AAB), Renee, N5BW (C6AMR), Carolyne, W5ETY (C6ATY), Mark, NA6M (C6AMS), and Scott, K2CK (C6ASH), will activate Eleuthera Island from July 9 to 25. They will use three stations running in CW, SSB and digital modes on 160 through 6 meters. QSL via their home calls.
- ⇒ **MAURITIUS, 3B8.** Armin, DK9PY, will be active as 3B8/DK9PY until July 21. Activity will be CW only on 40, 30, 20, 17, 15, 12 and 10 meters. Look for him about 10 kHz from the lower band edges. He may also make a side trip to Reunion Island (FR) or Rodriguez Island (3B9).
- ⇒ **BELIZE, V3.** San, K5YY (V31YY), Bill, W5SJ (V31SJ), and Bob, W5UQ (V31UQ), will be QRV from Placencia from July 12 to 19. They will work all bands, including 60 meters, and participate in the CQ VHF Contest. QSL V31YY via K5YY. W5JAY is the manager for V31UQ and V31SJ.
- ⇒ **DJIBOUTI, J2.** Freddy, F5IRO, will sign J28RO in CW, SSB and digital modes mostly on his weekends (Friday/Saturday) around 1200-1300 UTC and the evening hours during the week for the next two years. His QSL manager is F8DFP, who confirms via bureau or direct.

(MORE DX NEWS ON PAGE 18)

We received information today that was really exciting as it serves to get more hams on the air and will work well for hams of all ages and license classes. A tip of the hat goes to HARC for putting these two events together!

⇒ **TWO NEW PA EVENTS ENCOURAGE HAMS TO GET ON THE AIR**

ARRL Atlantic Division News

A new Pennsylvania FM Sprint and a new Pennsylvania county hunter award have been announced by the Holmesburg Amateur Radio Club (HARC) of Philadelphia.

The Pennsylvania FM Sprint will be held on Saturday February 26, 2011 from 7 - 11 PM. Hams will exchange a contact number and zip code on 6 meters, 2 meters, 222 MHz, and 440 MHz using FM simplex frequencies. Participants should check their local band plans for usable simplex frequencies. Calling frequencies should not be used. Also be considerate of operators involved with a QSO and not participating in the contest.

There are categories for individual and club stations as well as rover and portable stations. Awards will be offered in Eastern and Western Pennsylvania as well as out of state participants.

This is believed to be the first statewide FM Sprint in the country. In the past few years there has been a growth of FM simplex contest activity in Pennsylvania. According to Rich Shivers, AB3EO, Sprint coordinator, the Sprint will give you the opportunity to see how far your signal will travel without the use of a repeater. It can be a learning experience and a fun, fast contest with equipment that most hams have. HARC has sponsored the Delaware Valley Simplex Contest for several years.

In addition HARC is now sponsoring the Pennsylvania "67" Challenge. This county hunter certificate is open to all amateurs. Hams can use any band or mode to make a 'real time' contact with Pennsylvania's 67 counties. Hams may work towards the Challenge by working 20, 40, 60, or 67 counties and receive a certificate at each of the four levels. Endorsements are available for individual bands or modes. All contacts must be made from the same county.

Besides HF contacts, Bob Josuweit, WA3PZO, explains that repeaters, D-STAR, Echolink, and IRLP modes are valid contacts as long as a radio is used by both operators. Modes that store and forward messages are not considered valid contacts.

QSL cards will include paper or electronic. Log Book of the World Records will also be accepted. This will open the Challenge to all hams regardless of license class or type of station.

HARC is encouraging all hams to get on the air. Complete rules and information on both events can be found at the Club's website <www.harcnet.org>. Questions or comments can be directed to the Club call, <wm3pen@arrl.net>

(CONTINUED ON PAGE 16)

The Prez Sez.....(from page 1)

A huge thank you to Halyna from the entire SCARC membership for her efforts and as some of you have enjoyed, she makes some pretty good cookies too! Might just have to have her get a ticket and sign her up!!

While history was being erased at one end of the building, time marched on and the contacts racked up to the tune of over 900 the last time I looked. Not bad for a very relaxed FD weekend that saw 17 members and 4 guests on the club grounds. I did not get to stay the entire weekend since that certain 4 letter word got in the way but I did get some radio time in. NZX, Halyna and I took the overnight shift and by 5 AM I was ready for a nap. Couple hours of sleep and back at it.....then back to that place I get a paycheck from. Ugh...I was pooped.

Our crew seemed pleased with the eats on hand. Cold sammiches and cold drinks hit the spot from what I was told and especially the water melon which was consumed rather quickly I would think! Next time we get 2 melons! I did not get to see everyone that attended but from what I heard, all had a nice time despite the heat and humidity. Thanks to all who attended and made everything work smoothly. Without you, it just wouldn't be the same!

Thanks to Mac W3MAC for securing batteries and propane for the generator.

FD ops: WA3VXJ, NB3C, KA3JKS, WB3AGB, W3WTW, WA3FWA, KB3NZX, WQ3T, AB3KD, N3VEF, KA3YNO, N3EQP, W3SVJ, WA3RVD, WA8NLX, KB3UEE, WB3HDI with guests AA3EE, W3RJM, W3ANX and Halyna. I hope I got everyone accounted for.

One really neat thing happened for Mike KB3UEE. Mike being relatively new to Ham radio got to participate in his FD exercise and made a contact with W1AW! Not bad for his first FD, his first taste of HF and the first of 3 contacts with W1AW! Nice job! I think he is hooked!

While we burned up electrons with FD, June's candle was quickly burning out and I forgot about June being Fire Safety Month. (CONTINUED ON PAGE 16)

A (semi) frequent feature where I try to highlight articles and topics I hope you'll find interesting & informative. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, either pecuniary or monetary in any websites or products listed herein. I only wanna make the newsletter as interesting and versatile as I can on a month-to-month basis. Thanks for reading!! 73 de NB3C.....

A PVC Tripod and Adjustable Wedge Mount

By M.K. Sapp, WA3TTS

In an effort to become active on the 10GHz band, I needed a portable antenna solution that would work with my home-built waveguide and surplus equipment 10GHz transverter. The transverter was too large to mount or hang on a typical DSS dish feed arm, and the typical small DSS dish does not lend itself well to a back-of-dish equipment mount. I wanted a small dish solution with the least amount of re-engineering effort, and the tripod had to offer high stability in moderate winds. I needed elevation control over several degrees to fine tune the dish alignment, and azimuth control required smooth operation without binding or overshoot when changing the pointing direction. Any money saved on a robust and functional tripod system and dish mount could be re-directed into extra microwave system performance. Large camera tripods can cost hundreds of dollars, while flea market telescope tripods and budget camera tripods are often too flimsy for a dish antenna application on anything but a calm day. The solution, shown below, meets these outlined requirements. It's affordable and easy to reproduce with modest hand or power tools.



Dish-Tripod with SMA-LNB feed using an Adams-Russell Low Loss Instrument Cable To The 10 GHz Transverter.

(CONTINUED ON PAGE 12)

References:

Proceedings of the Microwave Update 2005, ARRL.

Build Your Own Telescope, Richard Berry, Published by Willmann-Bell.

http://www.w1ghz.org/10g/q_and_a.htm

<http://www.youtube.com/watch?v=40SIcR7tin4>

<http://www.youtube.com/watch?v=5h7dz3DLGzE&feature=related>

Mike completed the master's business administration program at Robert Morris University in 1987. He currently is a contract technical writer and researcher for Technosystems Service Corporation, a Pittsburgh-based patent services enterprise. He was the vice president of the Steel City Amateur Radio Club (W3KWH) in 2009 and 2005, and was president from 2006 through 2008. He has been active on all of the amateur radio allocations from 1.8MHz through 10GHz at one time or another since obtaining his novice license in 1972 and Extra class license in 1974.

DON'T FORGET ABOUT THAT COOL TRAIN TRIP TO ARRL HQ THAT BOB, NU3Q IS ORGANIZING. CHECK OUT THE .PDF FILE ATTACHED TO THIS MONTH'S NEWSLETTER FOR ALL THE DETAILS!

Field Day 2010, SCARC Style (from page 1)

I don't know what Joe, WB3AGB is listening to, but man, I want some of that!



Without a doubt, the MVP in SCARC Field Day 2010, was Bob, KB3NZX, who kept the gensets running all weekend. After a few glitches and belches, the generators settled down and ran pretty much trouble free for the whole 24 hours.

No, we didn't get a new kitchen.....This is what it looks like when it is clean! A big 'Thank you' goes to KB3NZX's girlfriend Halyna who took the time during the weekend to scrub our kitchen down. Not only that, but she also wound up cookin' a buncha hotdogs for the group to chow down on during our soiree! She cooks, she cleans, sounds like a keeper to me Bob!



**Field Day,
SCARC Style**



RADIO CORE
CHICAGO ILL
1915 W. LAKE ST. - PROSPERITY RD

Website Of The Month.....

A (semi) frequent feature where I try to highlight sites I hope you, my captive audience will find interesting & useful. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, either pecuniary or monetary in the websites listed herein. My only intent is to keep the newsletter from falling into a boring rut every month. Thanks for reading! 73 de NB3C.....

My pick this month: The Fox Tango International Users Group

<http://foxtango.org/foxtango001.htm>

If you're a Yaesu user like me, I think you'll find this to be a real nice site. Whether you are looking for info on Yaesu's latest & greatest rigs, or info on their now classic stuff, take a look at this site; I think you'll wanna bookmark it for future reference.

Need a manual? Check here first; not only do they have manuals for newer stuff, but chances are they'll have what you need for your older vintage equipment. Nicely organized into year (60s & 70s for instance), and also by model number (FT-101Z, FT-901), they'll probably have what you are looking for.

How about mailing lists? If you wanna get on a mailing list devoted to your rig, such as the FT-450, FT-2000, FTDX-9000, FT-950, etc., you can do it here. I joined the FTDX-5000 and the FT-2000 lists, and I'm always getting posts sent to my E-Mail. A great way to see what others are doing and experiencing with their rigs. Post a question here; you'll probably get multiple responses to it.

They also have a nice chat room, where you can discuss just about anything & everything Yaesu related. Lots of topics to choose from and lots of postings in each one.

Also available is a classified ads section; here you can sell your stuff or post an ad for something you need to complete your Yaesu setup.

Lots of links are here pertaining to the history of the company and their rigs, so it's well worth your time to check it out if you're a Yaesu fan. Even if you're not, I think you'll find it interesting. Check it out and bookmark it for future use. Better yet, consider joining one of the user groups, and be kept up to date on your favorite rig. Like I said; I'm a member of the FT-2000 group, and I'm always reading tips on how to operate it, along with hints and kinks.

That's it for this month.....Thanks for your attention! 73, NB3C.....

- ⇒ AMATEUR RADIO EMERGENCY COMMUNICATIONS COURSE LEVEL 3
- ⇒ ANTENNA BOOK 20TH EDITION
- ⇒ ANTENNA BOOK 21ST EDITION
- ⇒ ARRL'S WIRE ANTENNA CLASSICS
- ⇒ ASTRONOMER BY CHANCE
- ⇒ ELECTRONICS FOR EARTHLINGS
- ⇒ EMERGENCY COMMUNICATIONS HANDBOOK
- ⇒ EMERGENCY POWER FOR COMMUNICATIONS
- ⇒ FCC RULES & REGULATIONS
- ⇒ G WEST EXTRA CLASS BOOK
- ⇒ G WEST EXTRA CLASS MP3 DISKS
- ⇒ G WEST GENERAL CLASS MP3 DISKS
- ⇒ G WEST TECHNICIAN CLASS MP3 DISKS
- ⇒ GROUND SYSTEM PERFORMANCE
- ⇒ HAM RADIO FOR DUMMIES
- ⇒ HAND BOOK FOR RADIO AMATEURS 1990
- ⇒ HAND BOOK FOR RADIO COMMUNICATIONS 85TH EDITION
- ⇒ HF DIGITAL HANDBOOK
- ⇒ INTERNET LINKING WITH ECHOLINK
- ⇒ LOW POWER COMMUNICATIONS
- ⇒ MICROWAVE HANDBOOK 2ED
- ⇒ MORE QRP POWER
- ⇒ NEW WAYS TO USE TEST METERS
- ⇒ ON4UN LOW BAND DXING 4TH ED.
- ⇒ OPERATING MANUAL 8TH EDITION

Need a radio book? Check out our library!

- ⇒ REPEATER DIRECTORY 2007-2008
- ⇒ REPEATER DIRECTORY 2008-2009
- ⇒ REPEATER DIRECTORY 2009-2010
- ⇒ RFI BOOK 2ND EDITION
- ⇒ RFI BOOK 2ND EDITION COPY 2
- ⇒ SATELLITE HANDBOOK
- ⇒ SIMPLE AND FUN ANTENNAS FOR HAMS
- ⇒ THE ARRL OPERATING MANUAL
- ⇒ THE IMPOVERISHED RADIO EXPERIMENTER
- ⇒ THE QUAD ANTENNA
- ⇒ "UNDERSTANDING, BUILDING AND USING BALUNS AND UNUNS"
- ⇒ "UP THE TOWER - THE COMPLETE GUIDE TO TOWER CONSTRUCTION"
- ⇒ VHF | UHF HANDBOOK
- ⇒ VHF DIGITAL HANDBOOK
- ⇒ W1FB'S QRP NOTEBOOK
- ⇒ YOUR INTRODUCTION TO MORSE CODE

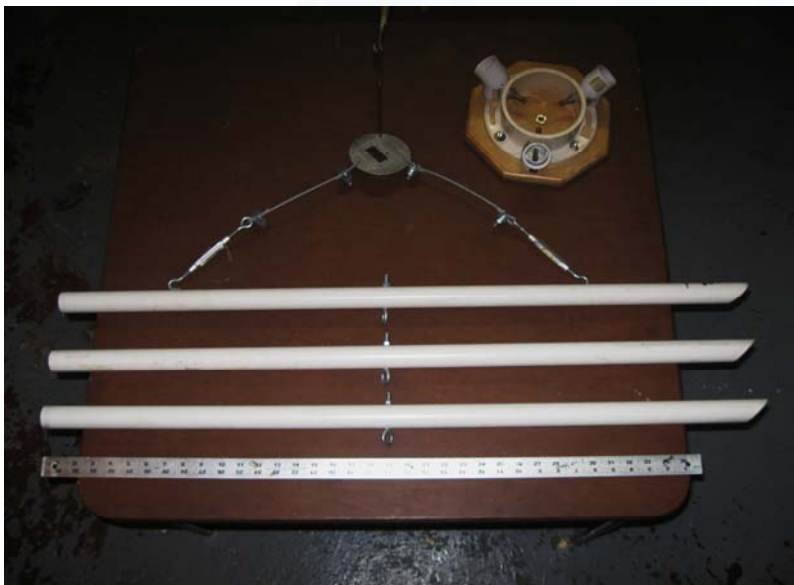
Beginner's Help Desk (from page 8)

The tripod was built around a standard PVC toilet flange and three 45 degree PVC elbows. As shown below, each 45 degree PVC elbow was bolted to the PVC flange with 120 degree spacing. A long aluminum pop-rivet above each bolt location prevents side-to-side movement of the installed elbow.

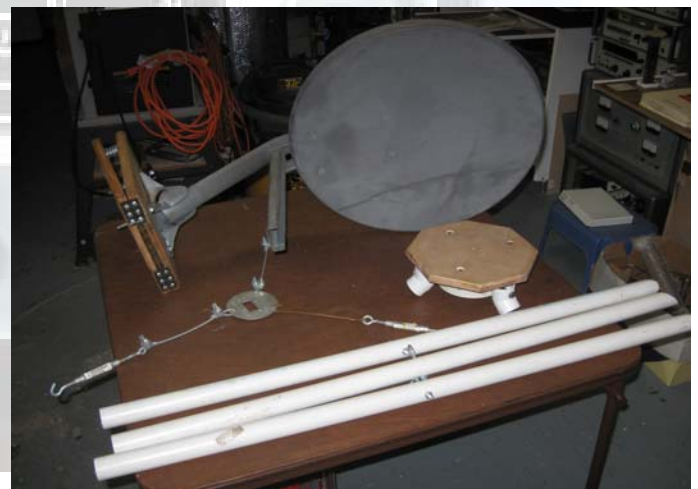
A lower mount plate was made from a 9 by 9 inch piece of 3/4 inch hardwood plywood, cut into an octal shape. The edges of the mounting plate were finished with a round-over bit and trim router, but a power sander or rasp could be used. A 1/4 inch by 20 tpi tee nut in the center of the lower mount plate provides the pivot point for the upper wedge mount. The bolts for securing the flange are recessed into the top plate (not shown). The wood is finished with polyurethane and the top surface waxed to offer a low friction surface for the azimuth pivot. Mild pivot bolt tension should allow the wedge mount to turn smoothly, yet stay in place in light to moderate wind conditions.



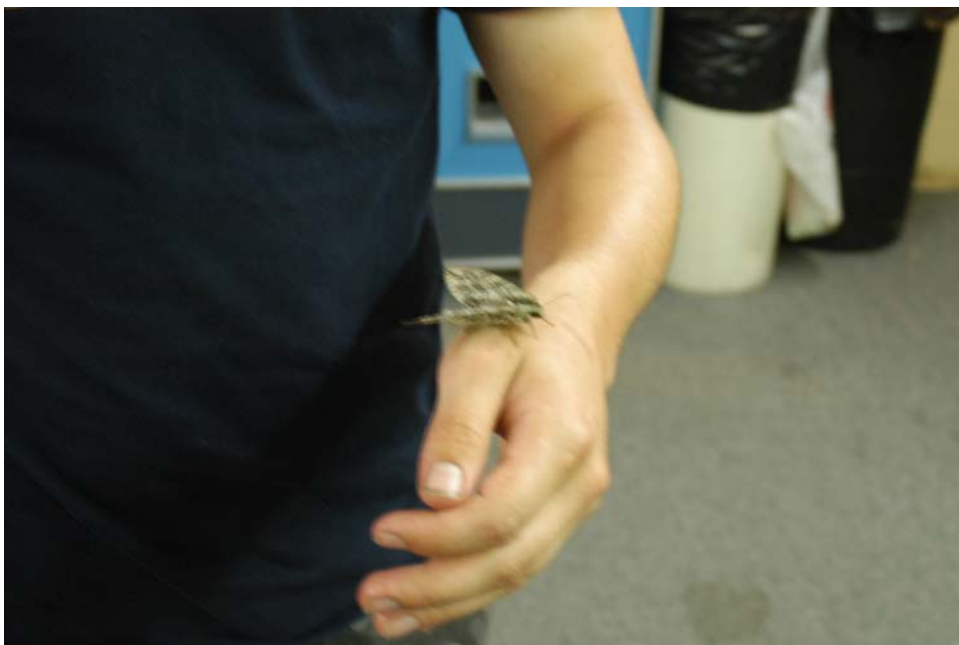
A single ten foot length of 1 inch (1.32" OD) PVC pipe is cut into three equal length sections to provide a tripod mount height approximately 30 inches above ground level. The legs will easily fit across the trunk floor of a compact car with a foot to spare. Each leg was sleeved with a length of 1 inch OD aluminum tubing to provide extra rigidity. An eyebolt is installed approximately 19 inches from the top of each PVC leg to accept the truss hardware. The truss is essential for achieving a rigid tripod assembly.



Small turnbuckles, wire rope, and rope bolts comprise the truss assembly secured to a center plate. Once adjusted to size for mild tension, the turnbuckles can be left alone. There is enough flex in the rigid tripod legs to assemble and disassemble the tripod without tools. Under mild tension, the installed truss should provide a tripod that is quite rigid.



(CONTINUED ON PAGE 14)



W3SVJ logging Qs in the HF Studio



W3WTW trying his hand on 20M

Roll Call for FD
2010:

WB3AGB
AA3EE
NB3C
KB3UEE
W3SVJ
KA3JKS
KA3YNO
W3RJM
N3VEF
N3EQP
WA3VXJ
WB3HDI
W3WTW
WQ3T
AB3KD
KB3NZX
KB3NZX YL
WA3FWA
WA8NLX
WA3RVD

Thanks to all
for helping out!

Field Day, SCARC Style

The upper wedge mount consists of two pieces of 9 by 12 inch by 3/4 inch thick hardwood plywood. An old door hinge was used for the pivot, but it had excessive hinge play. The hinge play was cured with autobody rubber squeegees cut to size and secured to the front edges of the wedge mount with wood screws. A 1/4 by 20 tpi bolt and washer provide the azimuth pivot, while a piece of 1/4 by 20 tpi All-Thread with a large knob and tee nut provide the elevation adjustment, working against the compression springs. A wood spade bit or Forstner bit provides the recessed areas in the wedge mount panels to retain the compression springs.

Beginner's Help Desk (from page 12)

It should be mentioned that the through-hole in the top of the wedge plate which accepts the All-Thread elevation adjustment must be slightly elongated or oversized to allow for radius travel during hinge movement. The tee bolt on the bottom of the wedge plate extends beyond the tripod base, so there is no need to recess its installation.



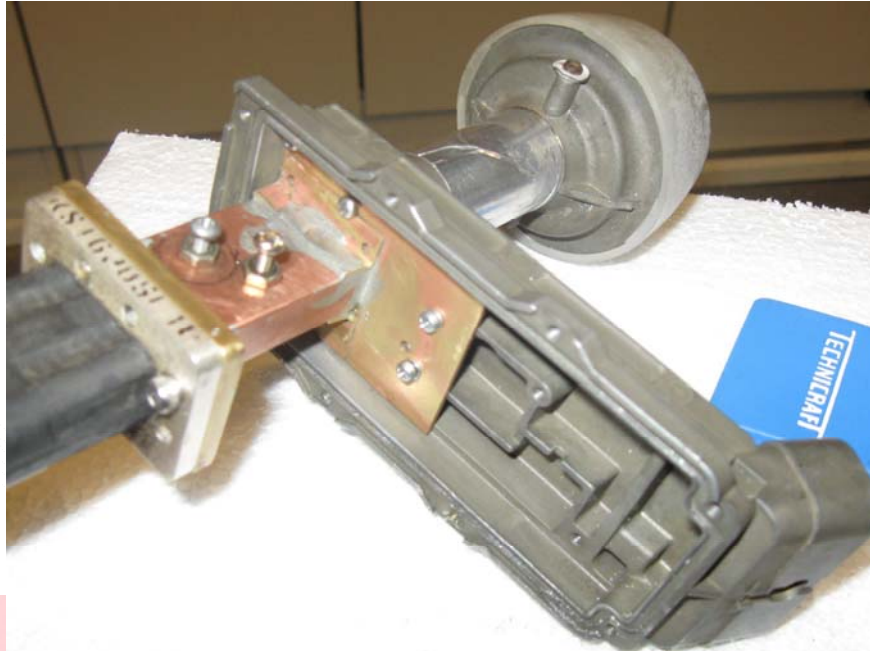
The wedge mount allows for an entire DSS dish, mount arm, and bracket to be used on 10 GHz simply by reversing the mount arm orientation from that used for DSS service. Adjust the wedge mount elevation control for its middle point then set the dish angle with an angle-finder to 21~22 degrees with the tripod leveled. For leveling, I bring along a collection of wood shims a few inches square to raise one or more tripod legs as needed. A hole in one corner of each shim can be used with a lanyard to keep them organized and available during setup.

For the dish feed I used both an SMA monopole LNB feed and waveguide adapter LNB feed with the dish with good results (NOUGY, "Feeds for 18 Inch Satellite Dishes," Micro-wave Update, 2005, page 220~221). The waveguide feed shown below was tuned for 30db of return loss with an HP141T and HP8620C with the X band oscillator module and a Narda directional coupler. A 3/4 inch diameter iris plate provides both the mechanical and electromagnetic coupling.

(CONTINUED ON NEXT PAGE)

Beginner's Help Desk (from page 14)

KiloWatt Harmonics, July 2010
Page 15 (click for Table of Contents)



“
...
ears of
orldwide

The placement of the tuning screws on the waveguide adapter were determined using steel ball bearings and a positioning magnet (W1GHZ method). The ball bearing is moved about through the guide with the magnet while watching the spectrum analyzer for changes in return loss. The existing screw holes which originally held the LNB circuit board in place were used for mounting the waveguide adapter. A near flat match condition was achieved with only two tuning screws. Note the polarizer plate in the LNB guide is also removed as per the N0UGY article information.

There is only one thing I may change on this dish tripod and that is reversing the location of the tee nut on the tripod base with the pivot bolt on the wedge mount. That change would allow for the easier adjusting of the tension for azimuth rotation---from under the tripod. One could also have the lower portion of the wedge mount be the top portion of a small rack cabinet for a transverter and IF radio. In that case, a plywood panel placed over the lower truss could be used to hold gel cell batteries which could also serve as counterweights.

The PVC tripod can be used for other applications, such as keeping a few push-up mast sections vertical for supporting a small VHF yagi, or as a HF QRP portable operating position. You can easily change the tripod head and truss table configuration according to the intended application. One could also consider using solid dowel rod inserts at the tripod feet locations along with through-holes near the bottom of the tripod legs to accept ground stakes for added stability.

73, Mike WA3TTS

DON'T FORGET ABOUT SKYVIEW'S 50TH ANNIVERSARY SOIREE! IT'LL BE HELD ON JULY 17, AT THE SKYVIEW CLUBHOUSE: 2335 TURKEY RIDGE ROAD, NEW KENSINGTON, 15068, FROM 1-9PM. FOR MORE ON THIS CHECK OUT THEIR WEBSITE: <WWW.SKYVIEWRADIO.NET>



Ham Radio

in the 21st Century

KiloWatt
Harmonics

Well better late than never when it comes to such things. Looking around the clubhouse we did not see any potential fire issues and we want to keep it that way. However, taking notice of our fire extinguishers showed many out of date and some with reduced charge. After a brief discussion with VP Joe who is one of our "Spruce-up Fix-Up" committee persons we feel it's time to update such equipment and other safety items such as our step ladder. Better safe than sorry and these items will be a topic of discussion this next meeting. If there are ANY safety items or concerns, please forward them to me. I also hear our "Spruce/Fix-up" committee has some things in the works and will be making some good things happen very soon. Guess you will have to come to the meeting to find out what! See y'all then!



And coming up in August will be our Annual SCARC Corn Roast! I was thinking August 29th. Last year seemed to work out quite well except for the bees! I've been looking for signs of those little buggers and so far none have been found. I think they got the idea we don't want them around to muck up our good times! Get your ideas/suggestions in soon for our 2010 Corn Roast so we can make it another great time!

Well, it's late; I'm hot and tired but not so tired that I would forget to thank all of you for being a part of SCARC and helping to make it the nice place it is!!

Till next time...73 Bob WB3HDI

*** FIELD DAY TRAVELS ***

This past weekend, I traveled around the Western Pennsylvania Section visiting a number of field day sites and one Western New York field day site. It was good seeing many clubs working field day and having fun with this event. One club had an excellent public relations and information table set up, and when I arrived, a couple from their town who read about field day in the local newspaper, stopped up to see what amateur radio was all about. Another club had two field day sites set up: one for the social aspects and public relations; and the other site for those REALLY into field day operations. That way there was something for everyone.

I invited a recently licensed ham from my club to travel along with me, and it was fun to see field day through his eyes as we traveled about. He had one observation that perhaps we take for granted, but he couldn't get over the warm welcome that the field day sites had for visitors. To those sites we were able to visit, I deeply appreciate the warm hospitality.

*** ATLANTIC DIVISION DISCUSSION CENTER ***

We've set up a discussion center on the Atlantic Division website for members to share thoughts and comments. Several division committees have been using this center to hold their committee discussions.

There are several public forums available: ARRL Web Site (great place to share what you like and what you don't like about the new website), Buy and Sell Forum, and the General Amateur Radio Discussion Forum.

We do ask that you use your amateur call sign as your user-id. To register for the discussion center, go to: www.atldiv.org/phpBB3. Once you've registered, it may take up to 24 hours for your account to be approved.

Both Tom and I want to wish you and your family a very happy and safe July 4th Independence Day weekend.

Bill Edgar N3LLR
Atlantic Division Director

Tom Abernethy W3TOM
Atlantic Division Vice Director

Atlantic Division Update
(from page 7)

More ARRL WPA News (from page 4)

Well Field day 2010 is now history. The weather for the most part cooperated with us and gave us beautiful weather for the weekend event. I got the opportunity to visit with quite a few of the hams at the various field day sites I visited. Some of the locations were quite interesting in locations and operating stations. This year I was very successful in operating a 1-C station from the vehicle I was driving. I was able to work quite a few stations and it was an added bonus during the drive time between locations. Operating HF from the car has been a very enjoyable thing for me as I travel about the section. Thanks to everyone that participated in the event and for the hospitality afforded to me during my visits. Any photos that anyone would like to have posted to the section pages at the arrl.org website should be sent directly to me at n3mse@arrl.org.

The next hamfests will be Union City (Wattsburg) on July 10, North hills on July 11 and Somerset on July 18. I plan to attend all three of these hamfests. Additional information regarding hamfests is available at the league website <http://www.arrl.org/hamfests/search>. Please stop and share with me any comments or suggestions you have for activities in the section. A reminder also if you would like me to visit one of your club meetings send me an email to invite me with the date and time of your meeting and I will work it into my schedule. I do not just drop in on clubs so as not to conflict with other programs they might have scheduled.

I want to remind everyone that with the new web page online at www.arrl.org each member should go to the website and login. After you login to the members only portion be sure to go and edit your personal profile. Your information is not made public or completed till you do this on the new site. Be sure to sign up for the various bulletins that are available by email from the site. Be sure to verify all data and control what is public. Remember also that you are eligible to get an email alias of [\(yourcall\)@arrl.net](mailto:(yourcall)@arrl.net) if you desire.

The PA QSO party list serve has been active with comments about this year's contest. The contest this year will be on October 9 and 10. Information and rules for the QSO party is available at <http://www.nittany-arc.net/pagso.html>. I want to encourage more people to participate and perhaps now is a good time for clubs to discuss making this a club event. This can almost be like a fall field day. I have participated in many different operating stations over the years. I have operated as a home station, a portable station in Clarion County and was an operator on the special event station one year. Join the fun and join what many call the friendliest QSO party anywhere.

Larry Keller, AB3ER, the section emergency coordinator and several others have been discussing the SET for this year. Any ideas or suggestions you might have would be appreciated. Send your thoughts to Larry at ab3er@arrl.net. A meeting is being planned for discussion on the SET. WPA scored very well in last year's test. The report in QST however did not include the results of all of the counties that participated. I would like to recognize everyone and I ask that any county that would like their results posted to the section news page and a special email to be sent to section members to send me their results from last year for publication. Please send all by July 24 to n3mse@arrl.org.

The Skyview Radio Society will be celebrating their 50th anniversary this year. They are planning several activities and if you are interested please check out their web page at <http://www.skyviewradio.net/>. Congratulations to all the members on this milestone.

Bob Bashaw, W3ZEH, has accepted the position of Section Traffic Manager as reported earlier this month. Bob can be reached at w3zeh@arrl.net. I want to thank Bob for his efforts and help in managing this aspect of amateur radio for the section. I have been handling some of the responsibilities during the months we were without a traffic manager. I want to thank all the traffic handlers and net managers for their help during that time. One of my philosophies as section manager is not to micro-manage the various departments in the section. The appointed section leaders have full control of their area of responsibilities. If you have questions regarding the various areas, contact the appropriate section officer.

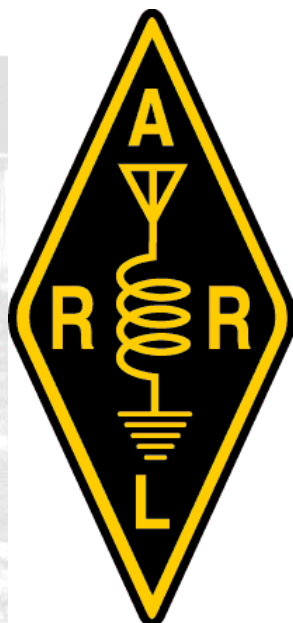
As always I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep the keep this activity running strong. The section net is on 3983 every evening at approximately 6:00 PM local time. The CW net is at 3585 at 7 PM local time. There are also several traffic nets on various VHF-UHF repeaters. Join the nets and lets all get Radio Active.

73

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



AA3TK	TOM
AB3KD	JAY
AE3JM	JASON
AI3J	MARK
AK3J	STEW
DC3RJ	JUERGEN
DL4ZAA	RALF
K3GJS	HARRY
K3JHT	JOHN
K3LAB	DOUG
K3RYA	BILL
KA3JKS	SUE
KA3LIW	DEAN
KA3MSE	LLOYD
KA3MXQ	ALAN
KA3YNO	WALT
KB3BZR	JERRY
KB3CWE	GARY
KB3GMN	CAROL
KB3LED	MARK
KB3LY	ELLIOT
KB3NZX	BOB
KB3ORO	JOYCE
KB3PNE	COLIN
KB3RUK	JIM
KB3SVF	GARY
KD7HR	GREG
KR8Q	MARK
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
W3HH	DOUG
W3JQJ	MATT
W3LA	LEN
W3MAC	MAC
W3MHY	STAN
W3SVJ	NATE
W3UUH	JACK
W3WTW	TIM
W6LAC	BOB
WA3BKD	ART
WA3YCU	BOB
WA3FWA	JOE
WA3PYU	MIKE
WA3RVD	MEL
WA3TTS	MIKE
WA3VXJ	KARL
WA8NLX	RICK
WB3AGB	JOE
WB3CRC	DALE
WB3HDI	BOB
WQ3T	DAVID



More DX News (from page 6)

- ⇒ **CHAGOS ISLAND, VQ9.** Jim, ND9M/VQ9JC, will be QRV as VQ9JC from July 10 to 25, including the IARU HF World Championship and the RSGB IOTA Contest. Listen for him on all bands, including the satellites, outside of his working hours, typically 1200 to 1730Z. QSL via ND9M.
- ⇒ **APPROVED FOR DXCC CREDIT.** The following operation is approved for DXCC credit: FT5WO - Crozet Island, between December 1, 2008 and November 30, 2009.
- ⇒ **CORSICA, TK.** Charles, F5OWT, will be active as TK0WT until July 16. Activity will be holiday style on SSB focusing on 17 and 12 meters. QSL via his home call sign, direct or by the Bureau. Laurent, F8BBL, will be active as TK10OB from Golfe de Valinco from July 10 to 24. QSL via bureau or direct to his home call.
- ⇒ **JORDAN, JY.** Chuck, KG9N, will be active as JY6ZZ until July 15. Activity will be mainly CW. QSL via JY6ZZ.
- ⇒ **MADEIRA, CT3.** Jose, CT1BOH, will be the operator of CR3E during the upcoming IARU HF World Championship. QSLs direct via W3HNK. Members of the Portuguese DX Group (CS1GDX) will be QRV on all bands and modes signing CT3/CS1GDX from July 10 to 13. QSL via CS1GDX, eQSL, bureau or direct.



I am excited to announce the new North Hills Amateur Radio Club's 2 meter D-Star repeater is alive and well and "on the air"!

The new repeater is operating on 146.82MHz with the callsign W3EXW C. It shares the same site (WQED-TV in Oakland), the same antenna, the same feed line, and the same controller as W3EXW B on 444.35MHz. While it shares a lot with our UHF D-Star repeater, it is a separate repeater.

*We are also accepting donations to support our Repeater Committee fund and will also be selling raffle tickets for a dual band FM and D-Star Icom HT.
73, Ed WA3YOA, NHARC Repeater Committee.*

A unique situation has come up and unfortunately time is of the essence. Please read on.

I happened upon a very unique find listed in the For Sale section of Craigslist. Follow the link below to see what I am referring to: <http://pittsburgh.craigslist.org/grd/1825081288.html>

This is a used but in very good condition Telecom Shed used at Cell phone tower sites to house equipment and much like what we see at KWH, only smaller. You may be asking why would we need such a thing at the club?? Simple. As most of us know, space at KWH is at a premium. We are cramped and having such a shed would free up needed space in our VHF room and current repeater room. By removing the ATV repeater, current 2M & 70CM AND future 70CM repeaters, along with any beacons from the building will allow us to make better use of those spaces and be more productive.

I found this listing about 4-5 weeks ago and thought it was very interesting. I casually mentioned this to some members and they too found it to be just as interesting. Fast forward to a couple days ago, I looked at the ad again and found the seller DROPPED his asking price making this even more attractive.

On Thursday the 8th, Karl WA3VXJ and I went to look at this after I spoke to the owner. Trying to contain our excitement would be like trying to catch sunlight in a bottle!

The seller works in the industry of installing these types of buildings/sheds and after getting to look at this shed and talk with him, I was ready to whip out a credit card a buy it on the spot. Does that tell you anything?

Now this fellow has given us until Saturday afternoon to make something happen. In short, he will hold it for us until then. His attitude is of course to sell it and make space on his property but he must have been impressed with our gift of gab, that we actually showed up to look, and are seriously wanting to make a go of this. That is should our members agree and support buying this shed.

If you are not familiar with such buildings/sheds, please do a bit of searching online.

Here is one site that has a larger building and some fiberglass sheds: <http://used-towers.com/category/used-shelters/> as examples of what used prices are. These things are not cheap!

Special Meeting of the Steel City ARC Saturday July 10, 2010.

The President WB3HDI Bob called the meeting to order at 10 AM. The urgency of a reply to an offer precludes the usual reading at 3 consecutive meetings for large expenditures. There were 22 members present. Bob had emailed the membership to hold this special meeting to have a vote on a major purchase for the clubhouse. He explained that there is a commercial grade communications equipment shed available for which it could house the club's multiple repeater stations; 2 meter, 440, ATV, beacons and echolink plus the newly acquired cabinets from KDKA. This would free up space in the clubhouse for an equipment repair and instrument measuring room and to remodel the VHF room. The shed is 8 ft by 10 ft and 10 ft high, made of concrete with many hardware fittings to accommodate wire and cable connections. Bob's photos show the shed to be in like new condition. He has to have a vote today from the members as the sale offer expires today (Saturday July 10). Also, we would have to bear the cost of transporting and providing a drainage base for the shed. There were extensive questions and discussion from the members before the vote was taken. **The members voted in favor of purchasing the shed by a margin of 17 to 5.**

Meeting was then adjourned after the vote was taken.

Submitted by Recording Secretary WA3FWA Joe Mielnicki

(YOU CAN SEE PICTURES OF THE SHED ON THE NEXT PAGE)

⇒ NHARC ANNOUNCES NEW HAMVEST VENUE FOR 2011 AND BEYOND

On July 1 of this year, the NHARC Board of Directors met at the West View VFW Post 2754 located at 386 Perry Highway in West View. The main agenda item of the meeting was to examine if the VFW would be a suitable location for future NHARC hamfests. We met with a representative from the VFW to discuss their offerings. The Board voted to hold the 2011 hamfest at the VFW. We have signed a one year commitment agreement and an option on another nine years at the same rate.

The reason for looking for a new location is due to the changes in the Library's policies. When the hamfest began, the Club had full access to the inside of the building. This allowed commercial vendors to setup inside. In recent years, the Library has restricted access to the building. We lost the commercial vendors and we now need to rent port-a-johns. Last year, the Library made it clear we were in the way of their users as they returned books. The Library was a convenient location but it is time to move on. We moved our Field Day event and now it is time to move the hamfest.

All vendors, private and commercial, will setup inside the main hall. The good news is the hall is large, air-conditioned, AND has two sets of rest rooms. We will not have to worry about rain either. There is limited parking in front of the VFW on Perry Highway. There are additional parking spaces in the rear of the building on Center Avenue (old trolley tracks) plus lots of parking on Center Avenue. Vendors will have access to the hall from both the front and from the back.

Results of special meeting held on July 10, 2010



**Special
Meeting:
7/10/10
(from page 19)**



Pictures of the shed that Bob, WB3HDI proposed to purchase. The plan is to move our repeater stuff in here, thus freeing up space in the operating studios. Look for it at a clubhouse near you in the very near future! A pretty hefty little building, weighing in at 24,000 lbs. That's, uh, 12 TONS!

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

July 2010

The Steel City ARC Monthly Contest/Event Planner

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 SkyView 2M Net RAC Canada Day WACOM Business Meeting	2 NCCC Sprint Ladder	3 YV Ind. Day Test DL DX RTTY Test PODXS 070 40M Sprint
4 Independence Day YV Ind. Day Test DL DX RTTY Test PODXS 070 40M Sprint DARC 10M Digi Test MI QRP CW Sprint	5 Breezeshooters Net GPVHF Business Meeting MI QRP CW Sprint RSGB 80M CW Club Champ.	6 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting ARS Spartan Sprint	7 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting	8 SkyView 2M Net WASH Business Meeting	9	10 IARU HF Championship FISTS Summer Sprint Feld-Hell Sprint
11 IARU HF Championship NHARC Hamfest WASH 2M Net SKCC Weekend Sprint ARCI Homebrew Sprint	12 Breezeshooters Net	13 WACOM 2M Net WACOM 10M Net 222 Tuesday	14 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday CWOps Mini CWT Test RSGB 80M SSB Champ.	15 SkyView 2M Net CWOps Mini CWT Test	16	17 CQ WW VHF Test Skyview 50th Anniversary DMC RTTY Test NA QSO Party RTTY
18 CQ WW VHF Test Somerset Hamfest DMC RTTY Test NA QSO Party RTTY WAB QRO 144MHz SSB	19 Breezeshooters Net Run For The Bacon QRP	20 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	21 Alleg Co. ARES Net WACOM YL Net 144 Wednesday	22 SkyView 2M Net NAQCC Straight Key/Bug Sprint RSGB 80M Digi Club Champ.	23 NCCC Sprint Ladder	24 Pgh. Vintage Grand Prix Race Weekend RSGB IOTA Test
Pgh. Vintage Grand Prix Race Week						
25 Pgh. Vintage Grand Prix Race Weekend WASH 2M Net RSGB IOTA Test	26 Breezeshooters Net	27 WACOM 2M Net WACOM 10M Net 222 Tuesday	28 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday SKCC Sprint	29 SkyView 2M Net	30 NCCC Sprint Ladder	31 WASH Breakfast

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

July 2010
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11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31

August 2010

The Steel City ARC Monthly Contest/Event Planner

September 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 WASH 2M Net RSGB RoPoCo 2 SARL HF SSB Test	2 Breezeshooters Net GPVHF Business Meeting	3 WACOM 2M Net WACOM 10M Net 222 Tuesday ARS Spartan Sprint Skyview Business Meeting	4 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday QRP Fox Hunt NHARC Business Meeting	5 SkyView 2M Net WACOM Business Meeting	6 NCCC Sprint Ladder	7 ARRL UHF Test European HF Champ. TARA Grid Dip Shindig 10-10 Int'l SSB Test NA QSO Party CW
8 ARRL UHF Test WASH 2M Net 10-10 Int'l SSB Test NA QSO Party CW SKCC Weekend Sprint	9 Breezeshooters Net	10 WACOM 2M Net WACOM 10M Net 222 Tuesday	11 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday QRP Fox Hunt CWOps Mini CWT Test	12 SkyView 2M Net CWOps Mini CWT Test RSGB 80M Club Sprint CW WASH Business Meeting	13 NCCC Sprint Ladder	14 WAE DX CW Test MD/DC QSO Party Feld-Hell Sprint
15 WAE DX CW Test WASH 2M Net MD/DC QSO Party ARRL Rookie Roundup RTTY	16 Breezeshooters Net Run For The Bacon QRP	17 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	18 Alleg Co. ARES Net WACOM YL Net 144 Wednesday QRP Fox Hunt	19 SkyView 2M Net	20 NCCC Sprint Ladder	21 SARTG RTTY Test ARRL 10GHz+ Test NJ QSO Party NA QSO Party SSB
22 Skyview Hamfest WASH 2M Net SARTG RTTY Test ARRL 10GHz+ Test NJ QSO Party NA QSO Party SSB	23 Breezeshooters Net NJ QSO Party	24 WACOM 2M Net WACOM 10M Net 222 Tuesday	25 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday QRP Fox Hunt RSGB 80M Club SSB	26 SkyView 2M Net	27 NCCC Sprint Ladder	28 HI QSO Party KS QSO Party OH QSO Party YO HF DX Test WASH Breakfast SCC RTTY Test
29 WASH 2M Net HI QSO Party KS QSO Party OH QSO Party YO HF DX Test SCC RTTY Test	30 Breezeshooters Net	31 WACOM 2M Net WACOM 10M Net 222 Tuesday				

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



Somerset County PA Hamfest

Presented by the Somerset County Amateur Radio Club
P.O. Box 1241
Somerset, PA 15501

Talk-In: 147.195+ / 443.250+ K3SMT Repeater

Rain or Shine, the 'Fest will go on!
Plenty of indoor flea market space available.



ARRL
Sanctioned

Free Parking — Free Coffee — Breakfast / Lunch available on-site.

Sunday, July 18th, 2010 – 8:00 a.m. to 1:00 p.m.

Where: Somerset County Technology Center

281 Technology Drive, Somerset, PA 15501

GPS Coordinates: 40.00281N 79.03345W

Grounds Open at 6:00 am for vendors and tailgaters. Indoor area opens for business at 8:00 am.

Cost: Entrance Fee: \$4.00 in advance / \$5.00 at the door

Indoor Table: \$10.00 (Tables will be provided)

Tailgating: \$5.00

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

2010 Featured Vendors

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



Check for additional vendor updates
on our web site

As of April 2010, the above Featured
Vendors will return this year.

2010 Main Prize List

1st Prize: MFJ-259 Analyzer

2nd Prize: FT-60R Dual Band HT

3rd Prize: FT-2900 2m Mobile

4th Prize: JTPS-28 28A Power Supply

5th Prize: Eagle 1 Mystery Prize Package

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

"Black Box" Prize

"Black Box" ticket drawn when all 50 tickets are sold.

50 Tickets will be sold for a mystery prize valued at between
\$125 — \$150

1 in 50 chance for only \$5 each!

Pre-order your admission and prize tickets; get detailed directions, maps, and more on our website:

➔ **www.K3SMT.org** ➔

Stay and visit awhile...

- Enjoy hiking, biking and camping in a rural setting
- Flight 93 Memorial Site
- Quecreek Mine rescue site

For more events and attractions:
www.laurelhighlands.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 Dr.

The Hamfest will be
on your right
behind the building



KiloWatt. Harmonics

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

**NEXT
MEETING:
8PM
JULY 20**



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

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



Field Day pics inside! We did pretty darn good too!
ARRL Train trip is coming soon. See the attached file for
the scoop. Somerset Hamfest, Skyview's 50th anniversary,
all kinds of stuff is happenin'. Check it out inside!

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