

KiloWatt **Harmonics**



< www.w3kwh.com >

January 2014
Price: FREE!

1941

The official house organ of the
Steel City A.R.C., Pittsburgh, PA.

2014

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Our next meeting date: 21 January,
8PM. Come for the meeting, stay for
the fine dining and friendly socializing
afterwards. **LISTEN TO THE REPEATER**
FOR ANY WX-RELATED CHANGES.



January 2014

Officers of The Steel City Amateur Radio Club:

©2014, The Steel City Amateur Radio Club (SCARC)

President: Brian Cooney, K5BPC (Incoming)
Rich Danko, N3SBF (Outgoing)

Editor: Greg Babin, NB3C.

Vice President: Ron Heasley, KB3YYE (Incoming)
Carol Danko, KB3GMN (Outgoing)

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

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Past issues are available at: <www.w3kwh.com>

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Reprints/quotes permitted provided credit is given to
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License Trustee: Chuck Davis, N3UUZ

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

SCARC is an ARRL-affiliated organization.



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

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

The Steel City Amateur Radio Club (412) 787-0777

2M Repeater: 147.030/147.630MHz (123.0)

70cm Repeater: 444.450/449.450MHz (103.5)(Off-Line)

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ON THE FRONT COVER: Nathan, W3SVJ, showing some young
Scouts how to make QSOs in the VHF Studio. From JOTA 2010.

The Business Meeting is held every third Tuesday of the month @8:00PM.

A Social Night is held every Wednesday night, except for the week of the
Business Meeting. All Amateurs are welcome to attend. Come join the club!

E-Mail an Officer (or your friendly Editor) for details. An application is
enclosed in this newsletter.

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Thanks to the following for your contributions this
month: ARRL, 425 DX News, Ohio/Penn. DX
Bulletin, WA3FWA, W3SVJ, W3WN, WC3O

NEXT ARTICLE DEADLINE: Friday, 7 February 2014

PUBLICATION DATE: Sunday, 9 February 2014

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





Minutes of the Steel City ARC Meeting Tuesday, December 17, 2013

Meeting was held at King's Restaurant on PA Route 60, Crafton due to icy club driveway. Conducted by President N3SBF at 8 PM with a Pledge of Allegiance, a Moment of Silence for our Silent Keys and a Roll Call of 20 members in attendance. Minutes of the November meeting will be accepted when the newsletter is printed! Treasurer's report was given by W3SVJ in the absence of Treasurer KA3YNO. Accepted by the membership. (EDITOR'S NOTE: This is an exact reprint of the minutes published in Dec.)

Committee Reports:

- ⇒ **Clubhouse:** Dave, AA3EE thoroughly cleaned the club kitchen. We have newly donated couches.
- ⇒ **Technical:** Art, WA3BKD reported that the 2 M dipoles from the 4 pole antenna have been temporarily side mounted on the 64 ft. Tower. Will form a technical committee and try for a Wednesday work party and Elmer night at the discretion of the new president in 2014. Paid Keith Whitehouse for antenna climbing. Echolink is not working.
- ⇒ **Ways and Means:** Joe, WA3FWA will collect any QSL cards for the ARRL outgoing bureau. Please sort your cards alphabetically when presenting them to him. There will be no 50/50 raffle tonight. There will be no change in dues except that dues are reduced to \$40 if paid by the Jan. 21, 2014 meeting.
- ⇒ **Newsletter:** Bob, NU3Q is not in attendance because he injured his knee in an accident at home.
- ⇒ **Contest:** Straight Key Night Dec. 31, local 2M FM Jan. 11 and ARRL Jan. VHF Jan. 18 to 20.
- ⇒ **Volunteer Exams:** Bob, AD3Q will continue administering exams in 2014.
- ⇒ **Public Service:** Carol, KB3GMN relayed Sue, KA3JKS' message that several SCARC members participated in Skywarn Appreciation Day remembering Pearl Harbor. Lloyd, KA3MSE is conducting most of the weekly Public Service nets as many of the scheduled net controllers don't show up when scheduled. WA3BKD reported that KA3MSE and KA3JKS were at the Skywarn station for the recent weather emergency.
- ⇒ **PC:** Brian, K5BPC reports that Echolink is not working. He plans to attempt configuration.
- ⇒ **Old Business:** KB3GMN is collecting Holiday Party money for the Fri. Jan. 17 SCARC holiday extravaganza at Tambellini's in Bridgeville. No door prizes.
- ⇒ **New Business:** John, N3EQP will have a club history presentation booklet in the library. John, KB3VHT again brought up the safety liability issue. Members are doing risky work at the club when no other help is available. The club may be liable for any injury or death. Motion was tabled by K5BPC. Walt, KA3YNO will continue the Treasurer's position for another year. Members agreed.
- ⇒ **Good of the Order:** KB3GMN will not be cooking for the meetings in 2014. Rich, N3SBF salutes K5BPC and Ron, KB3YYE as incoming President and Vice President. WA3BKD recognizes N3SBF as our outgoing President.

⇒ **Motion to Adjourn:** by KB3GMN.

Minutes submitted by Recording Secretary Joe, WA3FWA

Swap 'n Shop

FOR SALE:

A HYGAIN TH6-DXX THUNDERBIRD tribander and a WILSON ST-77 tower.

The WILSON tower is a four section (3 telescoping) monopole "look alike" of the current production U.S. TOWER MA 770.

The ST-77 will take an 18 sq ft load at 70 feet and a 12 sq ft load at 77 feet with a nine foot mast extension.

A motor driven hoist and controller go with the tower as well as ancillary fixtures for mounting etc.

VERY attractive arrangements.

Interested? Contact Nate, W3SVJ on the club reflector.





The contact person for this trip is Bob Bastone, WC3O. My e-mail address is <radiofreebob@gmail.com>. My cell phone number is 724-448-5774. This is an overview of the plan. Step by step details follow on the next page ([page 8](#)). **BEFORE YOU DO ANYTHING, PLEASE READ ALL OF THESE INSTRUCTIONS CAREFULLY!**

The plan is to take the AMTRAK train from the Pittsburgh train station (or Greensburg station, whatever works best for you) to Meriden CT. We will transfer trains in Philadelphia. The name of the train from Pittsburgh to Philly is called “#42 The Pennsylvanian”. The train going north up the coast is called “#148 Northeast Regional”. We will leave Pittsburgh on Thursday, March 6th at 7:30 am. We recommend you plan to be at the train station in plenty of time to avoid any unexpected problems. We will visit ARRL HQ and get to operate W1AW on Friday the 7th. We will go out to dinner Friday night. We will be heading back home bright and early in the morning, Saturday the 8th.

When we get to the train station in Meriden on Thursday, the hotel will send a shuttle to take us to the hotel where we spend the night. If we have too many people to fit in the shuttle they will return to pick up any remaining passengers. In the morning there is a restaurant in the hotel for breakfast. We will have rental cars to take us from Meriden to Newington, and out to eat on Friday. The number of people that go on the trip will determine how many cars we rent.

There are no parking lots really close to the train station in Pittsburgh. It is recommended that you park at one of the lots near Smallman Street and walk to the station. If you are leaving from Greensburg, there is no long-term parking at the train station. You will need to find out where you can park near the station before the trip. Unfortunately, as has been previously documented, the train will not be able to wait if last minute parking issues cause you to be late.

The AMTRAK trains are very roomy, comfortable, quiet and smooth. There is lots of legroom, the seats recline and footrests come up. There are 110 volt outlets at every seat so you can plug in your computer or whatever, free WiFi and enjoy the ride. (Amtrak advises that you bring headphones for any radios.) There will be a dining or snack car on the train. The food is ok and while the price might be a little high, it's not too bad. You CAN bring your own food and drink. The train going up the coast has a little less room, but will still be good. (Bring your scanner and listen to the train traffic! The exact scanner frequencies for both the Pennsylvanian and the Northeast Regional trains will be published in a later communication for those going on the trip.)

We have a specific web page set up with the hotel to make it easier to make your reservations. You will need to go to the AMTRAK web site to buy your train tickets. **EACH PERSON MUST MAKE THEIR OWN HOTEL RESERVATION AND BUY THEIR OWN TRAIN TICKET.** I will handle the arrangements for the rental cars. Thus, **I NEED TO KNOW** how many people will be coming. My contact information is above. We will split the cost of the rental cars.

W1AW has three “Studios” each with two stations. It will be a matter of luck if there will be other people visiting and/or operating on that particular day. We will take that as it goes. During the tour of ARRL HQ we will see many historical aspects of amateur radio, see the offices and meet some of the people that you read about in QST. You will see the out-going QSL bureau. You can even take your card(s) along to have it (them) sent out. You can have your QSL cards checked for DXCC and WAS awards while we are there! You will see the lab where ARRL does their reviews, meet the ARRL VEC team and much more. It will be a fun time!

On the next page ([page 8](#)), I am giving you step-by-step instructions on how to make both your hotel and train reservations. Please follow them carefully. If you have questions please e-mail or call me.

If you have a handicap issue there are people at the train station called “Red Caps” that can assist you with the transfer from one train to the other in Philly.

(continued on [page 8](#))





⇒ A reminder that the FCC has authorized the Maxim Memorial Station W1AW to also use the call sign W100AW during 2014, the ARRL's centennial year.

Contacts made from the Maxim Memorial Station in Newington, from regional Centennial conventions, and during the IARU HF Championship will use W100AW, with portable designators as appropriate. The "W1AW WAS" operations throughout 2014 from each of the 50 states will use W1AW, not W100AW.

Bulletins and code practice transmissions during 2014 also will still use W1AW. Contacts with W100AW are worth 100 points in the ARRL Centennial QSO Party.

Information on the ARRL Centennial QSO Party may be found on the web at, <<http://www.arrrl.org/centennial-qso-party>>.

⇒ To paraphrase Mark Twain, reports of the demise of the Voice of Russia (VOR) may have been greatly exaggerated. Earlier this year the Voice of Russia -- the former Radio Moscow during the Soviet Era -- appeared poised to cease shortwave broadcasts as of January 1, 2014. In the wake of a December decree signed by Russian President Vladimir Putin that merged the Voice of Russia with several other state-run news agencies, SWL Tom Witherspoon, K4SWL, contacted VOR.

"We are glad to let you know that the Voice of Russia will stay on the air in 2014, however, considerable changes in our frequency schedule are expected," the broadcaster told Witherspoon and as he reports on his blog. The posted VOR schedule, which runs through March, indicates 38 aggregate hours of shortwave broadcasts to all parts of the world, most beamed at the Middle East and Asia. Shortwave broadcasts to Europe, Latin America, Oceania, and Africa account for just 15 aggregate hours. VOR, which claims to be the first radio station to broadcast internationally, also broadcasts online, via satellite, on FM, and via three medium-wave transmitters. In 2003 VOR was among the first major international radio broadcasters to launch daily broadcasts to Europe in Digital Radio Mondiale (DRM).

latest products were solid-state HF amplifiers, as well as amplifiers for 6 & 2 meters.

In a December 26 news release, Ham Radio Outlet (HRO) reacted with "disappointment" and said it was "deeply saddened" to learn that Tokyo Hy-Power had gone into bankruptcy.

"This action in Japan appears to be similar to a Chapter 7 action here within the United States, as the process in this case appears to be the liquidation of organizational assets in order to attempt to fund some portion of its debt obligation(s)," the HRO release said. "This appears to indicate that a court has deemed the organization unable to be effectively reorganized under Japan's Civil Reconstruction Code."

HRO said it was working with AVSL, the current US service provider for Tokyo Hy-Power products "to discuss the opportunity of continued maintenance at the component level of the US-sold Tokyo Hy-Power line of amplifiers. ('National News Briefs' are courtesy of & ©2014 ARRL)

⇒ Tokyo Hy-Power, a manufacturer of Amateur Radio amplifiers, antenna tuners, and other equipment, is in bankruptcy, and its plant, in Saitama Prefecture near Tokyo, has been shuttered. Telephones at the company no longer are being answered, and its Japanese website has been taken down, although the company's US website remains working. Company CEO/President Nobuki Wakabayashi, JA1DJW, founded Tokyo Hy-Power Labs in 1975. He blamed "the recent depression in the industrial RF power products area [which] has led to the very difficult financial position."

Tokyo Hy-Power's early products were HF antenna couplers, although within a couple of years it began manufacturing amplifiers for the Amateur Radio market, including solid-state mobile amplifiers. Among its early products was the HL-4000 linear amplifier, which the company claimed was "the first real HF band high-power linear of its kind in Japan." It has been manufacturing RF products for the industrial market since 1984.

The company also once marketed the HT-750, a portable, low-power SSB/CW transceiver for 40, 15, and 6 meters in a hand-held transceiver form factor. At Dayton Hamvention® 2013, the company displayed a prototype of the XT-751, an advanced model it hoped to develop, covering 40 through 6 meters and with an internal antenna tuner. Among its





- ♦ **KENYA, 5Z.** Scott, WA5A is QRV as 5Z4/WA5A from Ruaka until about January 28. Activity is holiday style on the HF bands. QSL to home call.
- ♦ **SENEGAL, 6W.** Francis, F6BLP is QRV as 6W7SK from Saly Portudal until January 31. Activity is holiday style on 80 to 10 meters, and possibly 160 meters, using mainly CW. QSL to home call.
- ♦ **OPERATION APPROVED FOR DXCC CREDIT.** The following operation is approved for DXCC credit: Tristan Da Cunha and Gough Island, ZD9KX, 2012 and 2013 operation.
- ♦ **PHILIPPINES, DU.** Mike, W6QT is QRV as DU3/W6QT from Luzon Island, IOTA OC-042, until March 2014. Activity is on the HF bands. QSL to home call.
- ♦ **TROMELIN, FT/T.** Activated for the first time in 1954 (FB8BK/T) and for the last time in 2000 (FR/F6KDF/T), Tromelin Island (AF-031) is one of the top ten Most Wanted DXCC Entities. Landing and operating permissions for the joint effort by the Radio Club de Provins and the Lyon DX Gang [425DXN 1154] have been granted, and Tromelin will be back on the amateur radio bands from 30 October to 10 November 2014. Six operators (Franck F4AJQ, Flo F5CWU, Fred F5ROP, Eric F5SIH, Seb F5UFX and Michel FM5CD) will be QRV on 160-10 meters CW, SSB and RTTY with four stations. The organizers estimate a budget in the range of USD 90,000 (with logistics taking a major share of it), and fundraising has started. Visit www.tromelin2014.com for regular updates and information on how to contribute to this expensive project. [TNX F5NQL]
- ♦ **SENEGAL, 6W.** Francis, F6BLP will be active again as 6W7SK from Senegal on 3-31 January. He will operate mainly CW on 80-10 meters. QSL via home call (direct or bureau), LoTW and eQSL. Log search at www.f6blp.org.
- ♦ **AMSTERDAM, FT/Z.** On 21 December the FT5ZM team reported that "all the equipment the Amsterdam Island DXpedition team shipped to New Zealand is now aboard the MV Braveheart". The vessel was expected to sail for Fremantle, Australia on 26 December. Team members will begin arriving in Fremantle on 9 January, and will

depart for their 9-day voyage on the 15th. Once ashore, they will have 18 days to set up, conduct the DXpedition and tear down for departure. "We've not yet reached our financial goals", the team says, "but with your continued support, that goal is in sight". For late breaking news and updates visit www.amsterdamdx.org.

♦ DXCC COUNTRY/ENTITY REPORT.

According to the AR-Cluster Network for the week of Sunday, 29th-December, through Sunday, 5th-January there were 216 countries active. Countries available: 1A, 3A, 3B8, 3D2, 3V, 3W, 4J, 4L, 4O, 4S, 4X, 5A, 5B, 5R, 5Z, 6W, 6Y, 7P, 7Q, 7X, 8P, 8R, 9A, 9H, 9J, 9K, 9M2, 9M6, 9V, 9X, 9Y, A2, A4, A5, A6, A7, A9, AP, BV, BY, C2, C3, C5, C6, C9, CE, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, DL, DU, E5/n, E5/s, E6, E7, EA, EA6, EA8, EA9, EI, EK, EP, ER, ES, ET, EU, EX, EY, F, FG, FH, FK, FM, FO, FR, FW, FY, G, GD, GI, GJ, GM, GU, GW, H4, H40, HA, HB, HB0, HC, HH, HI, HK, HL, HP, HR, HS, HV, HZ, I, IS, J2, J3, J6, J8, JA, JD/o, JT, JW, JY, K, KG4, KH0, KH2, KH6, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OH0, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PJ5, PJ7, PY, PZ, R1FJ, S5, S7, SM, SP, ST, SU, SV, SV5, SV9, T7, T8, TA, TF, TG, TI, TJ, TK, TR, TT, TU, UA, UA2, UA9, UK, UN, UR, V2, V3, V4, V5, V6, V7, V8, VE, VK, VP2E, VP5, VP8, VP8/h, VP9, VQ9, VR, VU, XE, XU, XW, XX9, YA, YB, YI, YL, YN, YO, YS, YU, YV, Z3, ZA, ZB, ZD7, ZD9, ZF, ZL, ZP, ZS, ZS8. **PLEASE NOTE:** The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later".

- ♦ **ENGLAND, GB1 (Special Event).** Look for special event station GB1RNLI to be active between January 25-26th and possibly some limited operations on the evenings of Tuesday, Jan. 28th and Thursday, Jan. 30th. This special event callsign will be used by Workshop Amateur Radio Society to promote "SOS Radio Week" (Jan. 25th-Feb. 2nd) which is held each year to support the RNLI (Royal National Lifeboat Institution). This year the club will be operating on HF (40-10m) and VHF 6m, 2m and 70cm using CW, SSB and Data modes. The WAB Square is SK57. QSL via eQSL or by the Bureau. Full details about the RNLI are available at: <http://www.rnli.org>.

- ♦ **TOGO, 5V.** Operators Phil/F5MVB and Joel/F5AOW are planning to be active as 5V7MP and 5V7BJ, respectively, from Avepozo sometime in 2014. Details on bands/modes and dates have not been announced yet, but are forthcoming. QSL via their home callsigns, direct or by the Bureau. (More DX News on [page 12](#))





>> Local repeating events <<

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

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

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

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

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

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

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

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

(SUSPENDED THRU LABOR DAY WEEKEND 2011.)

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

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

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

LOCAL CLUB MEETINGS:

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

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

WASH: The second Thursday of every month, 7:00PM @ the Crossroads Ministries Church, 88 Walter Long Road, off Route 88, Finleyville, PA.

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

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

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

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

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

MISCELLANEOUS:

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

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

TRARC Hams & Eggs breakfast: 2nd Saturday of the month, Kings Family Restaurant, Route 48 & US Route 30, North Versailles. 9:00AM.

Send any additions/corrections you know of to me: <KQ3DX@hotmail.com>.

NHARC-sponsored nets:

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

Attention all youse club members: Dues for 2014 are now due. If you pay by the January 21st meeting, you get a 10 buck discount. Fill out the form, and send it in. (Or, if you prefer, you can fill in the form and send it out.....DOH!)

AA3CE	TOM
AA3EE	DAVE
AB3KD	JAY
AD3Q	BOB
AE3JM	JASON
AI3J	MARK
AK3J	STEW
K3BAK	BRIAN
K3FS	FRANK
K3LAB	DOUG
K3RYA	BILL
K5BPC	BRIAN
KA3JKS	SUE
KA3LIW	DEAN
KA3MSE	LLOYD
KA3PXQ	CHRIS
KA3YNO	WALT
KB3CZX	TOM
KB3GMN	CAROL
KB3NZX	BOB
KB3ORO	JOYCE
KB3REE	KEN
KB3VCK	GREG
KB3VHT	JOHN
KB3YLR	DON
KB3YYE	RON
KB3ZKC	GABRIEL
KC3APT	JOHN
KF5ODL	JENNIFER
KJ3D	JIM
KØLIN	COLIN
KT3L	DOC
N3DQ	DELLA
N3DDE	BILL
N3EQP	JOHN
N3GHI	BRUCE
N3GHO	GLORIA
N3SAF	LEE
N3SBF	RICH
N3UUZ	CHUCK
N3VEF	BILLY
NB3C	GREG
NN3F	KEN
NU3S	AL
NU3Q	BOB
W3RKT	RICH
W3SVJ	NATE
W3WTW	TIM
WA3BKD	ART
WA3FWA	JOE
WA3PYU	MIKE
WA3RVD	MEL
WA3VXJ	KARL
WA3YCU	BOB
WA8NLX	RICK
WB3AGB	JOE
WB3CRC	DALE
WB3HDI	BOB
WB3JLK	RICH
WQ3T	DAVID

SCARC Roster

Local & Repeating Events/Club Roster

Local events needing our support: **WASHFest 2014.**
See the flyer at the end of this here issue. **ARRL Train trip**, March 6-7-8.
See page 4 for the poop.





Hotel reservations

Go to: <<http://tinyurl.com/ARRLtrip>> (Hotel pricing is guaranteed until February 6th)

Click on 'RESERVE'

Click on the calendar dates. The dates March 6-7-8 are highlighted
Click on March 6, 7 and 8 (The 8th is the check-out date so you will be paying for two nights)

Click on the number of guests and type of bed you want
The cost per night with tax is \$119.60 and includes breakfast
(Price may vary depending on options you chose)

Complete the rest of the billing information

The total cost should be \$239.20

BOOM! That takes care of your hotel reservations!

Train tickets

Please reserve early as the ticket prices go up as we get closer to the travel date.

Go to <<http://www.amtrak.com/home>>

On the 'TICKETS' tab:
Click on 'ROUND TRIP'

In the FROM window put PGH (Pittsburgh PA)

In the TO window put MDN (Meriden CT)

For DEPARTS put March 6th 2014

Pick the number of people you are buying for

Click 'FIND TRAINS'

(Don't worry about the TIME option. There is only one train leaving Pittsburgh per day.)

There will likely be three options here. Go to the bottom of the page and pick the option for #42 Pennsylvanian leaving Pittsburgh at 7:30am AND transfers with the #148 Northeast Regional that travels from 5:00pm to 8:57pm. Again, as I am doing this run through, this is the bottom option. There will be about a 2-hour layover in Philly where you can relax, hang out or just enjoy the beautiful train station. There is only ONE transfer in the correct option. Go by the times I have highlighted here and you will not go wrong. The price each we should be \$80.00 for an adult and \$68 if you are 62 or older. Again, if you wait too long the price will likely rise as we get closer to the travel date.

Click 'ADD TO CART'

This brings you to the return trip page

There is only one option: #143 Northeast Regional leaving Meriden at 7:31am. We will again transfer in Philly with the #43 Pennsylvanian leaving Philly at 12:42pm and getting back to Pittsburgh at 8:05pm. We should have approx. 1-hour layover in Philly. There is a Wendy's and a Jersey Mike's Sub Shop (and possibly other eateries) in the station.

Click the \$80.00 or \$68 option depending on your age, and click 'ADD TO CART'

Finish the rest of your billing information. Choosing to pick your tickets up at the train station is fine. Otherwise, you will pay a fee to have them mail the tickets to your house. Your choice. I am picking my tickets up at the train station.

Any questions please give me a call and let me know when you make your reservations. Keep in mind the trains do not always travel on time depending on weather and other factors. We will need to be flexible. We will have a great time and hope to see you on the train.

73, Bob Bastone, WC3O

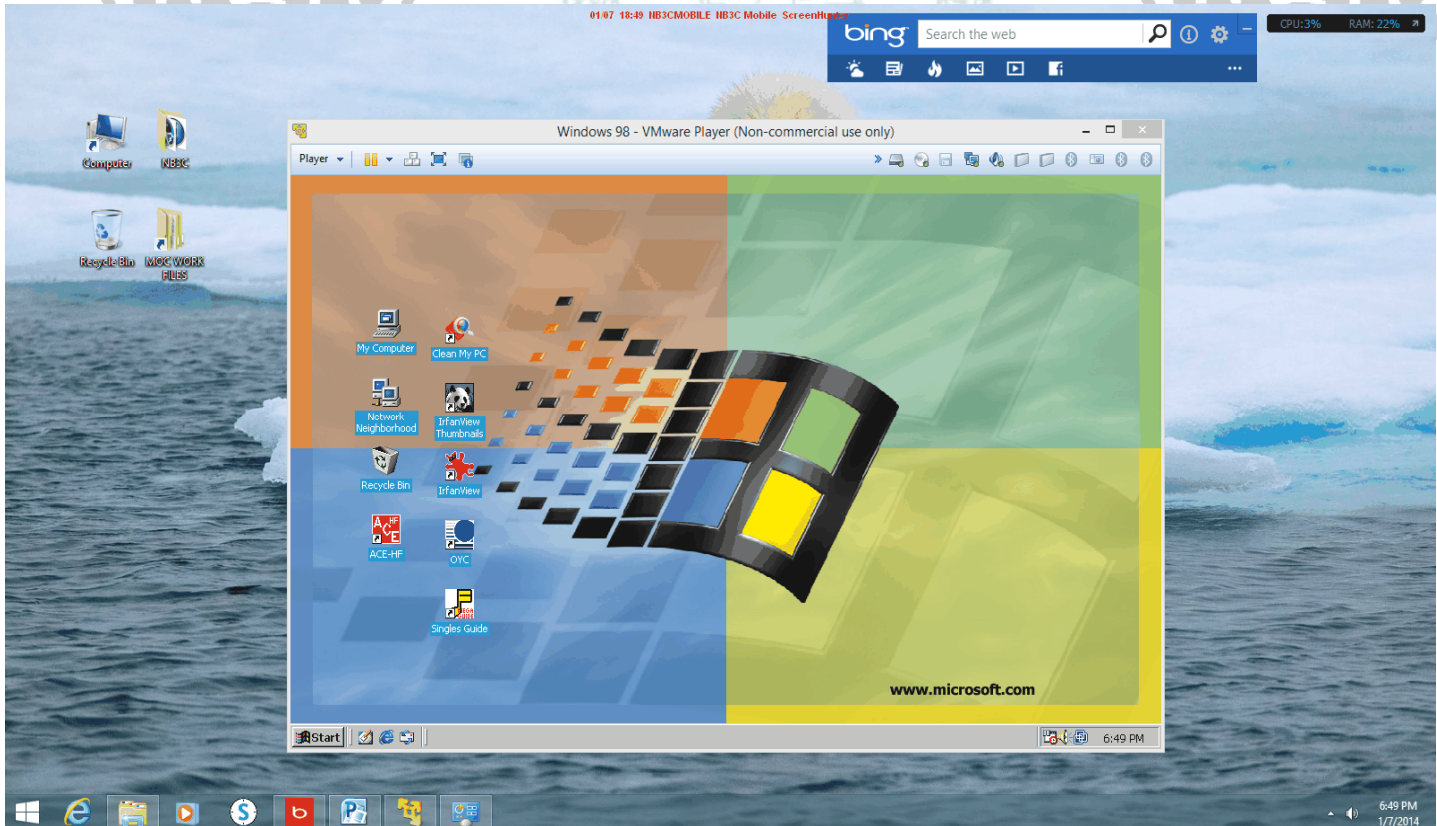
Our next meeting: 21 January 2014, 8PM. Come for the informative meeting, stick around for the exotic food and fine conversation afterwards. LISTEN TO THE 2M REPEATER FOR ANY LAST MINUTE WEATHER-RELATED CHANGES TO THE LOCATION/TIME.



Our topic for this month.....

Everything old is new again, AKA: Don't throw away that old operating system software just yet! You'll see how you can breathe new life into some of your old programs you miss, that simply won't run on newer versions of MS Windows.

The Computer Corner



This is a screen-shot of Windows '98 running on my laptop. The host system in the back is Windows 8.1. See the text for how you too can run an older version of Windows inside a newer version.

For years and years, I've lamented the loss of some of my favorite amateur radio programs, because newer versions of Windows changed so much that they simply wouldn't run anymore. Now with the advancement of the newer generation Intel & AMD processors that support virtualization technology, it's no longer an issue. It's easier than you think to do it.....

But first, a short definition of virtualization technology is needed. Simply put, virtualization technology, or VT enables a processor to behave as if there are several independent operating systems operating on the same computer at the

same time. Under normal circumstances, the guest system (in this case, Win '98) isn't even aware it's running in a virtual environment. A very simple process to configure and run, you simply download and install the virtualization program, then install the OS inside it.

Now, I personally use 'VMWare Player' which is a free download (BTW: All links for downloads and such are at the end of this here article). I've found this one to be the best. There are others that I've played with, such as Oracle's 'Virtual Box', also a freebie, but I like VMWare Player the most. It seems to be the easiest to configure and use. ([continued on page 10](#))

There are many more different programs out there that will accomplish the same thing, but for our purposes, I will concentrate on my experiences with VMWare Player. Click on the link at the end of this here article to download and install. Once installed, you'll get a screen like this:



Installation of the program is pretty standard. Agree to the terms, tell it where to install, and like a minute later you're ready to go. Once it's installed, you'll need a copy of whatever version of Windows you plan to install. I installed Windows '98 and Windows XP from an installation disc. During the installation, it'll ask you some questions: How much RAM do you wanna dedicate to the guest system, how much disk space, and how you wish to install, whether from a disc or an image (.ISO) file. (BTW: The guest system is the system running inside VMWare Player, and the host system is your main operating system.)

Once you get past all the questions (not at all bad or cumbersome) you simply install Windows just like you normally would. Tell VMWare Player the location of the disc or the .ISO file, and it'll do the rest.

You're not limited to just Windows installs here; you can also run Linux systems too. I've

played with different Linux operating systems, and while I don't particularly care for them, you can install as many different versions as you want, including Windows versions. About the only drawback to it is this: If you're gonna install Windows XP, make sure you have the most current version available; I.E.: One with all 3 service packs. Yes, once it is installed, it'll work just fine, with all features enabled, including network/internet access and sound in the guest system. That means that you can go on-line, and get all the available updates for XP. A word of caution here: It'll take hours to get them all, since XP is what.....like 10-12 years old? That's not the case with Win '98 though; you just do the initial install and you're done. They didn't update '98 like XP. Also, on April 8 of this year, Microsoft ends all support for XP. I don't know if the update capabilities will go away, but do it now, just to be on the safe side. For Win '98, you'll need to install your various programs from disc, since the chances are good it won't recognize your memory stick or external USB hard-drive.

I run Windows '98 and XP in my system, and they are 100% functional. Internet access, sound, CD drive all work fine. It appears that it'll only recognize one CD drive, so if you have more than one, you can only use one total. Not a big deal. Another nice thing: If you wanna use it on more than one host system, you can copy the entire XP or '98 program to another computer. No need to reinstall from scratch. So if you're looking to resurrect some of your old favorite programs that don't run on Win Vista/7/8, try running them inside a virtual window, especially if it's an old 16-bit program, and you're running a 64-bit host. Like I said earlier: Everything old is new again.

About 'The Computer Corner':

An infrequent article I run whenever I have material concerning computers. Just as no shack today is complete without at least one rig, today's shack is not complete without at least one computer. **MY STANDARD DISCLAIMER:** I have no interest, pecuniary or monetary, in any of the software/products listed in this article. All software is proprietary to their respective owners, as well as their names, which are trademarks of their respective owners.

Now, about those links I promised:

See [page 11](#) for all kinds of informative links to learn more and to download software.



To download the VMWare Player program (a freebie):

<https://my.vmware.com/web/vmware/free#desktop_end_user_computing/vmware_player/6_0>

Does my Intel processor support VT?

<<http://www.intel.com/support/processors/sb/CS-030729.htm#1>>

Does my AMD processor support VT?

<http://www.tomshardware.com/news/amd-cpu-windows-xp-mode,7739.html#amd-cpu-windows-xp-mode%2C7739.html?&_suid=13891346182680913488186034616> (COPY & PASTE THIS ONE TO YOUR BROWSER)

—AND/OR—

<<http://products.amd.com/en-us/desktopcpuresult.aspx?f1=&f2=&f3=&f4=&f5=&f6=&f7=&f8=&f9=&f10=&f11=&f12=True>>

To find out the make & model of your processor, go to 'Control Panel' on your machine, then click 'System'. If your processor DOES NOT support VT, then you will NOT be able to install.

TO LEARN MORE ABOUT VT:

<<http://searchservervirtualization.techtarget.com/definition/virtual-machine>>

<http://en.wikipedia.org/wiki/Comparison_of_platform_virtual_machines>

<<http://www.howtogeek.com/56158/beginner-how-to-create-a-virtual-machine-in-windows-7-using-virtual-pc/>>

As I write this, it's 4 degrees outside, the coldest temperature we've seen in years in these parts. I sure am glad I ain't a bulldog ridin' on a Mack truck as a hood ornament right now! Anyway, some relief from being stuck inside is in sight, namely the WASHFest 2014 soiree. Hope you'll be able to come out and help make their event a smashing success. Nice prizes this year too; you can see what they've got lined up on their flyer on [page 14](#). After that, it'll be the Two Rivers ARC hamfest. April 27th, at The Spectrum in Boston, PA. Flyer to follow next month.

Ooh.....Another escape from winter: Check out the ARRL train trip that Bob, WC3O is planning. Take an Amtrak train from Pittsburgh to Newington for the ARRL HQ tour, and an opportunity to operate W1AW. Looks like the fun'll run from March 6 (Thursday) to March 8 (Saturday). Details can be found on [page 4](#). I'll keep you posted on any changes to the schedule. Week-end trips like this are a nice escape from reality; leave the old lady and the kids, not to mention your troubles behind, and forget about life for a while.

Come on out to the January 21 business meeting and say 'Hello' to our new Prez and Vice-Prez Brian and Ron, respectively. They're relatively new to our little group, so come on out, meet the new team, and give 'em a handshake. It's not an easy detail riding shotgun on 60 different opinions, so please give them your support.

BTW: Thanks and congratulations to these gents, as well as our other Officers for stepping up to the plate and assuming these important positions for 2014. Being that we're in the time of year where the snow and ice can play havoc with the driveway, don't forget to listen to the 2M repeater for any changes to the time or location of the meeting. January 21, 8PM at the clubhouse. This month's agenda: Meet, eat, greet your fellow members.

I'd like to take this opportunity to say 'thank you' to all those who sent me E-Mails offering me best wishes and congrats on being Editor again. I'll do everything I can to bring you the quality newsletter you've come to expect from me. Also, thank you to Bob NU3Q for doing the newsletter for the past 2 years or so. Don't forget: I'm in desperate need of material for the newsletter. Articles, pictures, Public Service events, I need it & I want it. Please keep me in the loop if you know of a local radio-related event, so I can stick it here for all to read.

That's about all I can think of for this month. Best wishes to all for 2014. Stay warm. The best way to do that is to sit in front of the HF rig, work DX and stimulate them there electrons to give us more activity. 73 de NB3C. Thanks for reading.





DX SURVEY RESULTS (DX Magazine's 2013 Most Wanted Countries Survey)

DX Magazine has published their Most Wanted Countries List from a survey that was conducted in the September/October 2013 time frame. Here are the "Top 20" in the overall world-wide results as per DX Magazine (Jan./Feb. 2014 issue):

2013 Rank	Prefix	Country	2012 Rank	2013 Rank	Prefix	Country	2012 Rank
1	P5	North Korea	1	11	KH5	Palmyra	14
2	KP1	Navassa Island	2	12	KH5K	Kingman Reef	12
3	3Y/B	Bouvet	3	13	FR/JE	Juan de Nova/Europa	18
4	FT5W	Crozet	6	14	BV9P	Pratas Island	17
5	FT5Z	Amsterdam	4	15	E3	Eritrea	16
6	VK0/H	Heard Island	5	16	KH9	Wake Island	21
7	BS7H	Scarborough	7	17	VP8/G	South Georgia	19
8	ZS8M	Marion Island	9	18	KH3	Johnston Island	20
9	VP8/S	South Sandwich	8	19	CE0X	San Felix	22
10	FT5T	Tromelin Island	10	20	KH7K	Kure Island	23

Carl, N4AA, Editor of QRZ DX/DX Magazine, states, "It is interesting to note that the same ten places are there for both 2012 and 2013...there are a few slight changes in ranking, but it is the same ten. That should change somewhat for 2014 with Tromelin and Amsterdam both scheduled for major DXpeditions."

The full list of the top 100 Most Wanted, World-Wide, are posted to the DX Publishing Web site at:

<http://www.dxpub.net/MOST-WANTED-SURVEY.html>

QSL-INFO from DB0SDX (January 5th)

3V8/ON7HLU via ON7HLU (d)	HF20SOT via SP1KYB	RG22LG via RZ3LC
5K6RM via HK6RM	HI8/UA4LL via UA4LL	RI44ANT via UA4WHX
5P14EHC via OZ0J (d/L)	HK4CZE via EA7FTR	RK22AW via R6AW
9A13P via 9A1CBK (B)	HR1LW via JA1LW	RM22MR via RK3AW
A61E via IZ8CLM	LY300KD via LY3BY	RN22DY via RY3D
A61K via IZ8CLM	LY5Y0TA via ON9CFG	RT22UA via R9UAG
BA7CK via BA4TB (*)	LZ1375PRB via LZ1KCP	RT34ST via UA4ATL
CU/DK3YH via DK3YH	OA1/AL4Q via DJ8QP	SC2014ECC via SK2AT
DJ60DXMB via DL7UXG	OG0A via OH2BH	SG7A via SM7XEN
DK40ECH via DL4MDO	OH0I via OH3BHL	SP20SOT via SP1YKO
DL60JMZ via DK1EI	OP4K via ON4JZ	TF3PPN via TF3MHN
EA8/DH2MS via DH2MS	OR5T via ON4ALY	UK80AH via IK2QPR
EA8/DL8JJ/M via DL8JJ	OX5T via OZ0J	V5/DH3WO via DH3WO
ED1RLE via EA1RLE	P49X via W0YK	V5/DK1CE via DH3WO
EG4IBO via EA4CRP	PJ4/PE2KY via PE2KY	VP2MM via W1CDC
EI14LCC via EI4GXB	R2014HS via RW6HS (d)	W100AW via W1AW
EM50JA via UY7IQ	R22ALS via R7LV	WP2/WQ6X via WQ6X
EM75V via UR2VA	R22FIS via RW4NW	YL95AIW via YL2GN
HB10BE via HB9BE	R22ICH via RN3D	YP1989TM via Y02KQT
HB40VC via HB9VC	R22NOC via RA3YC	YP95GU via Y03IZT
HC3/AL4Q via DJ8QP	R22SNB via RJ6J	YT0PUPIN via YT7WA
HF2014GPP via SP3YAC	RA22FF via R7FF	YV4KW/1 via YV4KW
HF2014JP via SP4ICP	RA22MX via RA9MX	ZL3FRI via JA3FRI
(e) eQSL only (d) direct only (B) Bureau only (L) LoTW only		
(*) Jan. 2014 only		

News from
the DX
World
appears
courtesy
of the 425
DX News,
The ARRL
DX
Bulletin,
and the
OPDX
Bulletin.
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ARRL,
425DXN,
OPDX/
BARF80/
KB8NW

- ♦ **QSL RECEIVED VIA LoTW:** 4A1TD, C31BO, CU2DX, DF2NU, DL1AMQ, DL1DUG, DL1LQA, DL4KG, DL5AN, DL5ZB, F2DX, F4FFN, F5CQ, F6CXJ, F6HRP, FG8OJ, FJ/DK7LX, G14OWA, HB9DRS, J34J, JA0EQL, JJ2LPV, JM1XCW, JR1NHD, JW9VDA, LZ867MWB, M0KCM, M0TMC, OG3I, OK2AF, OK2ZV, ON4AXU, ON4CAS, P49X, PB7Z, PV8ABC, PZ5RA, RA2FIA, SP3CFM, SP7VTQ, SP8TJU, SV1LK, T6T, UR1MI, V5/DL3DXX, VO1DGP, VU7AG, WH7DX, YE5R, ZD8UW, ZL1BYZ, ZM4M and ZM90DX
- ♦ **QSLs RECEIVED VIA MAIL:** 3B9EME, 5J0R, 9L1JT, FS/N0TG, FW5JJ, HP0INT/2, HP0INT/3, HP0INT/9, J34J, J8/DH5FS, J87GU, JA0MVW, K5T, LA2MOA, OX3LX, PJ2/W5BOS, PJ2T, PY3OR, TN2MS, TX5D, XW0YJY, YE5R and YJ0TE
- ♦ **QSLs RECEIVED VIA THE BUREAU:** 3B8/HB9ARY, 3B9SP, 3D2GC, 4J85W, 9Q6AL, 9Y4/DL9DRA, CR2V, CS2W, CT8/HB9COL, CU8AS, HB0/DJ2IA, HB0/DL2JRM, HB0CC, HB0WR, HS0ZFA, TK/DG6FDV and TX5EG



January 2014 - February 2014

The S.C.A.R.C. Bi-Monthly Contest/Event Planner

January 2014						
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	

March 2014						
S	M	T	W	T	F	S
					1	
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

May 2014						
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				1	2	3
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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

July 2014						
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19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2014						
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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			

November 2014						
S	M	T	W	T	F	S
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

January 2014			February 2014		
1	Wed	New Year's Day	1	Sat	Vermont QSO Party
1	Wed	QRP Fox Hunt	1	Sat	10-10 Int. Winter Contest SSB
1	Wed	SARTG New Year RTTY	1	Sat	Minnesota QSO Party
1	Wed	AGCW Happy New Year Contest	1	Sat	British Columbia QSO Party
3	Fri	QRP Fox Hunt	1	Sat	Delaware QSO Party
3	Fri	NCCC Sprint Ladder	1	Sat	Mexico RTTY Intl Contest
4	Sat	WW PMC Contest	2	Sun	10-10 Int. Winter Contest SSB
4	Sat	ARRL RTTY Roundup (also 1/5)	2	Sun	British Columbia QSO Party
4	Sat	EUCW 160m Contest (also 1/5)	2	Sun	Delaware QSO Party
8	Wed	SCARC Social Night	2	Sun	Mexico RTTY Intl Contest
8	Wed	QRP Fox Hunt	2	Sun	North American Sprint CW
10	Fri	QRP Fox Hunt	5	Wed	SCARC Social Night
10	Fri	NCCC Sprint Ladder	7	Fri	NCCC Sprint Ladder
11	Sat	MI QRP January CW Contest (also 1/12)	8	Sat	CQ WW RTTY WPX Contest
11	Sat	North American QSO Party CW (also 1/12)	8	Sat	FISTS Winter Sprint
12	Sun	NRAU-Baltic Contest CW/SSB	8	Sat	New Hampshire QSO Party
12	Sun	DARC 10-Meter Contest	8	Sat	Dutch PACC Contest
12	Sun	Midwinter Contest	8	Sat	Asia-Pacific Spring Sprint CW
15	Wed	SCARC Social Night	9	Sun	New Hampshire QSO Party
15	Wed	QRP Fox Hunt	9	Sun	Dutch PACC Contest
17	Fri	ARRL January VHF Contest (until 1/19)	9	Sun	CQ WW RTTY WPX Contest
17	Fri	QRP Fox Hunt	12	Wed	SCARC Social Night
17	Fri	NCCC Sprint Ladder	12	Wed	NAQCC Straight Key/Bug Sprint
18	Sat	Breezeshooters PSK Groundwave	14	Fri	NCCC Sprint Ladder
18	Sat	LZ Open Contest	15	Sat	ARRL Intl DX Contest CW
18	Sat	Hungarian DX Contest (also 1/19)	15	Sat	Breezeshooters CW Groundwave
18	Sat	North American QSO Party SSB (also 1/19)	16	Sun	ARRL Intl DX Contest CW
21	Tue	SCARC Business Meeting	18	Tue	SCARC Business Meeting
22	Wed	QRP Fox Hunt	19	Wed	AGCW Semi-Automatic Key Evening
24	Fri	CQ 160-Meter Contest CW	21	Fri	CQ 160-Meter Contest SSB
24	Fri	QRP Fox Hunt	22	Sat	CQ 160-Meter Contest SSB
24	Fri	NCCC Sprint Ladder	22	Sat	North American QSO Party RTTY
25	Sat	CQ 160-Meter Contest CW	22	Sat	UBA DX Contest CW
25	Sat	REF Contest CW (also 1/26)	22	Sat	REF Contest SSB
25	Sat	BARTG RTTY Sprint (also 1/26)	23	Sun	CQ 160-Meter Contest SSB
25	Sat	UBA DX Contest (also 1/26)	23	Sun	WASHFEST 2014
26	Sun	CQ 160-Meter Contest CW	23	Sun	North Carolina QSO Party
29	Wed	SCARC Social Night	23	Sun	High Speed Club CW Contest
29	Wed	QRP Fox Hunt	23	Sun	North American QSO Party RTTY
31	Fri	QRP Fox Hunt	23	Sun	UBA DX Contest CW
31	Fri	NCCC Sprint Ladder	23	Sun	REF Contest SSB
			24	Mon	North Carolina QSO Party
			26	Wed	SCARC Social Night

February 2014						
S	M	T	W	T	F	S
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April 2014						
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9	10	11	12	13	14	15
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23	24	25	26	27	28	

June 2014						
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						1
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

August 2014						
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					

October 2014						
S	M	T	W	T	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
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23	24	25	26	27	28	29
30	31					

December 2014						
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					

Complete contest list:

<www.hornucopia.com/contestcal/contestcal.html>



WASHfest 2014

The South Hills Hamfest — Now in our **NINETEENTH** big year!

Sponsored by the WIRELESS ASSOCIATION OF SOUTH HILLS AMATEUR RADIO CLUB, INC.

Sunday, February 23rd, 2014

8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Castle Shannon VFD Memorial Hall

3600 Library Road (State Route 88), Castle Shannon, PA

Talk-In on 146.955(-) and 443.650(+) 131.8 PL



(800) 545-8881

DXCC Card Checking Available!

Thanks Art Lund NQ3A

Breakfast & Lunch provided
by **JACK'S CATERING**
of Peters Township

*FREE Coffee for the entire Hamfest
courtesy of HAM RADIO INSURANCE ASSOCIATES
of Canonsburg, PA*

MAIN PRIZES — You've Got to Play to WIN!



1st Prize: Yaesu FTDX-1200 HF+6M

2nd Prize: Comet CMX 2300
HF/VHF SWR/Power Meter

3rd Prize: Clear Speech Speaker



Additional Hourly Door Prizes! Special Black Box Prize (Separate Drawing)!

Main Prize tickets are \$2.00 each, 3 for \$5.00, 7 for \$10, 15 for \$20

All Prizes Subject to last-minute changes

Please Note: Early Table Reservations must be paid in full on or before January 31st, 2014. Reservations received after February 1st, 2014 must include payment in full.

Reserve now... we have sold out in advance four years running!

For Table Reservations, or More Information, Please Contact:

Carol Danko KB3GMN at (412) 884-1466 n3sbf@comcast.net

E-mail us directly at washarc@yahoo.com Check out our website too! www.n3sh.org

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: _____ Email: _____

Address: _____ Phone: () _____ - _____

City: _____ State: _____ Zip: _____

Call Sign: _____

Tables WITH Electricity: _____ X \$15.00 = _____

Tables WITHOUT Electricity: _____ X \$10.00 = _____

Please make all checks payable to:
WIRELESS ASSOCIATION OF SOUTH HILLS
PLEASE MAIL RESERVATION TO:
WASHFEST 2014
c/o CAROL DANKO KB3GMN
4246 Seton Drive
Pittsburgh, PA 15227-1244

We reserve the right to resell any tables not occupied by 8 AM, unless prior arrangements have been made!



Directions to WASHFest 2014



From State Route 51 (North or South): Take SR 51 to SR 88 South (Library Road at Saw Mill Run Boulevard. Proceed South about 1½ miles to Grove Road (3rd Traffic Light. Turn Right (North) onto Grove, and an immediate Left into the Parking Lot.

From US 19 South (Washington County): Take US 19 (Washington Road) North past South Hills Village to the intersection of Connor Road (by the Galleria). Turn Right onto Connor Road. At the end of the road, turn Left onto SR 88 (Library Road). Proceed North about 1 ½ miles to Grove Road (3rd Traffic Light. Turn Left (North) onto Grove, and an immediate Left into the Parking Lot.

From US-22, Interstate I-76 (PA Turnpike) or I-376 (Parkway East): Follow the Parkway East inbound towards Pittsburgh, to the Boulevard of the Allies. Follow the Boulevard to the exit ramp (on the left) for the Liberty Bridge. Cross the Liberty Bridge and proceed through the Liberty Tunnel. Take the exit for SR 51 South. Proceed about 3 miles to the intersection with SR 88 (Library Road) and proceed as above.

From Interstate I-279 (Parkway North) & I-79 North via I-279: Follow the Parkway North Southbound to the Veteran's Bridge I-579 exit. Cross the Veteran's Bridge and follow I-579 to the exit ramp for the Liberty Bridge. Cross the Liberty Bridge and proceed through the Liberty Tunnel. Take the exit for SR 51 South. Proceed about 3 miles to the intersection with SR 88 (Library Road) and proceed as above.

From State Route 28: Follow the SR-28 inbound to the exit ramp for the Veteran's Bridge I-579. Cross the Veteran's Bridge and follow I-579 to the exit ramp for the Liberty Bridge. Cross the Liberty Bridge and proceed through the Liberty Tunnel. Take the exit for SR 51 South. Proceed about 3 miles to the intersection with SR 88 (Library Road) and proceed as above.

From the West via State Route 60, US 22/30, or the Parkway West: Proceed inbound to the Parkway West. Follow the Parkway inbound to the intersection with SR 51 (exit to the right prior to the Fort Pitt Tunnel). Take SR 51 South and proceed about 4½ miles to the intersection with SR 88 (Library Road) proceed as above.

From Interstate I-79 South: Take I-79 to the intersection with the Parkway West I-279 and proceed as above. If coming from Washington County or further south, exit in Washington Pa to Murtland Avenue North and follow US-19 North.

SCARC DUES RENEWAL FORM FOR THE CALENDAR YEAR - 2014

NAME: _____ CALL: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE # DAY: _____ EVENING: _____

D. O. B. _____ LICENSE CLASS: _____ EXPIRES: _____

mm/dd T, G, A, or E

E-MAIL: _____

< To be used for S.C.A.R.C. business ONLY >

A MONTHLY NEWSLETTER WILL BE SENT TO THE E-MAIL ADDRESS ABOVE.

Any CLUB information deemed important will be sent by e-mail or by phone.

Please indicate if you are a member of ARRL: YES _____ NO _____

ARRL information is requested to keep our ARRL affiliation Current.

Per SCARC Constitution article VII, sec & by-laws, annual dues must be paid by the business meeting in April.

ANNUAL MEMBERSHIP DUES RATES:

2014 Early payment discount of 20% will apply to Regular Membership Dues.

The discounted rate of \$40.00 will be honored if paid by the January-2014 business meeting. If your payment is mailed; the postmark needs to be NO later than 01.21.14.

Regular Member: \$50.00

DX Member: \$15.00

Family member

(same household/address) \$15.00

Make your check payable to: STEEL CITY AMATEUR RADIO CLUB. Please note your call sign on your check. Your check is your receipt. Payment can be mailed to; S.C.A.R.C. P. O. Box 281

Carnegie, PA 15106 or the Treasurer; Walt Adkins - KA3YNO, 476 First Street, Heidelberg, PA 15106

Payments will be accepted on Wednesday social evenings & the Tuesday monthly business meetings. Your early renewal assures your continued access to the clubhouse and better planning for activities.

Steel City Amateur Radio Club, Inc. Membership Application

Date: _____

Name: _____ Call: _____

Street: _____

City: _____ Co.: _____ State: _____ Zip: _____

Home Phone: _____ Business: _____ E-Mail: _____

Birthday: _____ License Class: _____ Expiration Date: _____

Are you a member of ARRL? YES ____ NO ____ Membership Number: _____

What modes and bands interest you?

Are you interested in working contests? YES ____ NO ____

Which ones? _____

Are you willing to participate in work parties for maintenance and upkeep of the club, facilities?

YES ____ NO ____ If no, explain: _____

The Steel City Amateur Radio Club, Inc. is open to an who are interested in Amateur Radio. We are looking for good, active, responsible members. You will be expected to abide by the constitution and by laws of the club, and uphold the Amateur Radio Operator's Code. You are encouraged to attend our business meetings held on the third Tuesday of the month at 8:00 p.m, and our social night every Wednesday with the exception of the Wednesday following the monthly business meeting.

Your application will be held for six months. During this time you will be required to attend at least three business meetings. This application will be reviewed at the required three meetings. A vote for membership will be held at the third meeting. If these requirements are not met, your application will be dropped. You may reapply.

I agree to the above (Applicants Signature): _____ Date: _____

Sponsor's Signature: _____ Date: _____

FOR MEMBERSHIP COMMITTEE PURPOSES ONLY:

Date Application received: _____ First Reading: _____ Second: _____ Third: _____

Date of Membership Vote: _____ Application Rejected: _____

Membership Committee Approval: _____

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

www.w3kwh.com

NEXT
MEETING:
21 January,
8PM.

