

All the (Amateur) news
that's fit to print

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OUR NEXT BUSINESS MEETING:
JANUARY 15 @8:00PM.
HOPE TO CU THERE!!



KiloWatt Harmonics

Check us out on the web: www.w3kwh.com

January, 2008

Editorial Ramblings

I'd like to take this opportunity to wish all of our readers a very happy new year!! Let's hope that the new year is filled with more sunspots, and that the HF bands start to heat up. Lots of cool DXpeditions planned for 2008, so I hope that you'll be able to get some 'stick time' behind the HF radio in the coming months.

Before you know it, it'll be the start of hamfest season. The first one is not too far off: The Wireless Association of South Hills annual soiree is coming up in February. Look for details on this on [page 9](#)

Starting this month, I'll be running a new feature. It will feature thoughts and commentary from our ARRL WPA Section Manger, John Rodgers, N3MSE. This will be a monthly column, designed to keep our members updated on what is happening locally in the ARRL WPA Section. Check it out on [page 4](#).

Happy Birthday, Beaver Valley ARA!!

Congratulations to the Beaver Valley Amateur Radio Association on their 75th anniversary as an ARRL affiliated club. 75 years is a long time to be around, whatever the circumstances, whether its your age or years married, so congrats to the BVARA from the Steel City Amateur Radio Club on achieving this milestone!!

Bob DeMarco, WA3ZRM, is starting a local club newsletter exchange program. Bob is VP of the Beaver Valley Amateur Radio Association. With Mike, WA3TTS' permission, I signed us up for this program. The intent here is to exchange local news with other clubs in the area, which, hopefully will result in better local news coverage in our club newsletter. I will make copies of the BVARA newsletter available at the next business meeting.

Don't forget, send me photos of your shack for the shack-of-the-month column.

As always, your thoughts/comments/criticisms/photos/articles/ideas are welcome at: KQ3DX@hotmail.com.

That's it for this month. Thanks for reading!!

73 de KQ3DX et al.

The Steel City Amateur Radio Club:

- President: Michael Sapp, WA3TTS (412) 364-2740
- VP: Madison McKee, W3MAC (412) 279-8756
- Treasurer: Walt Adkins, KA3YNO (412) 276-0825
- Recording Secretary: Joe Mielnicki, WA3FWA (412) 922-6340
- Corresponding Secretary: Susan Rakiec, KA3JKS
- License Trustee: Karl Pastorak, WA3VXJ (412) 429-8055
- Editor(s): Greg Babin, KQ3DX (412) 367-8845, KA3LNG, W3SVJ



DX News & Views

Information gleaned from various
issues of the ARRL DX Bulletin.

- ◆ **ROTUMA, 3D2:** Tony, 3D2AG is QRV as 3D2AG/p until the end of January. QSL via FO5RK.
- ◆ In response to a request from the Ministry of Communications and Transport of Bosnia and Herzegovina in August, the International Telecommunication Union (ITU) withdrew the call sign prefix allocation T9A-T9Z for Bosnia and Herzegovina and made a new allocation, E7A-E7Z. The change was made initially on a provisional basis under authority of the ITU Secretary-General and was confirmed by the 2007 World Radiocommunication Conference to be effective November 17, 2007. Amateur Radio station licenses bearing E7 prefixes will be issued beginning in January 2008, and the use of other prefixes will be phased out.
- ◆ **SOUTH SHETLAND ISLANDS:** Marek, SP3GVX will soon be QRV as HF0POL from the Polish Henryk Arc-towski Antarctic Station. He is here for all of 2008. QSL via SP3WVL.
- ◆ **BULGARIA, LZ:** In commemoration of the 130th anniversary of the liberation of Bulgaria from the Ottoman empire, special event call LZ130LO will be QRV from January 1 to March 31. QSL via operators' instructions.
- ◆ **BOUVET, 3Y:** Petrus, ZS6GCM is QRV as 3Y0E probably until February 14, 2008. He is the medical officer with a five member research team on the island. He is a newly licensed operator, with capabilities to be QRV on 40, 20, 15 and 10 meters during his spare time only. QSL via LZ3HI.
- ◆ **SRI LANKA, 4S:** Ivan is QRV as 4S7DXG and has been active on 20 meters SSB just before 1500z and then on 30 meters around 1630z. QSL via UR9IDX.
- ◆ **ETHIOPIA, ET:** Joe is QRV as ET3JA and has been active on 17 meters SSB just before 1500. He has also been active on 20 meters SSB from around 1530 to 1800z. He is here for about one year. QSL via OK3AA.
- ◆ **WESTERN SAHARA, SO:** Fernando, EA1BT is QRV as S05A and has been active on 40 and 20 meters using SSB. His length of stay is unknown. QSL to home call.
- ◆ **NEW DXCC ENTITY:** The ARRL DXCC Desk is pleased to announce the addition of St. Barthelemy (FJ) to the DXCC List, making the island entity number 338 with an effective date of 14 December, 2007. Cards with contacts dated December 14, 2007 or after will be accepted for DXCC credit. New card submissions for St. Barthelemy will not be accepted until January 1, 2008 in order to allow time for administrative adjustments. French St. Martin (FS), while also added to the List of Dependencies and Areas of Special Sovereignty, will remain on the DXCC List, but it is now considered a Point 1 Political Entity under the same classification as that of St. Barthelemy. If St. Martin has already been worked, confirmed and credited to a DXCC award, it is unnecessary to rework it for DXCC credit
- ◆ Members of the KH8SI group have announced a DXpedition to the newest DXCC entity Saint Barthelemy Island. "With the help and support of FJ5DX, FJ5AB and FJ5KH, both Yuichi JR2KDN and Paul F6EXV will sign FJ/F6EXV (callsign used for SSB and CW) and FJ/JR2KDN (callsign used for RTTY), from January 6th till January 20th", says F6EXV, Paul. The two will have two complete stations and at times will both be QRV simultaneously.

KiloWatt Harmonics,
January, 2008

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Amateur Radio Club

'KiloWatt Harmonics' is
published monthly for
the members of the
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welcome at:
KQ3DX@hotmail.com

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and the Steel City
Amateur Radio Club.

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

December 2007 Meeting Minutes

President WA3TTS, Mike at 8 PM, called the meeting to order. The Pledge of Allegiance was recited and followed by a moment of silence for our silent keys. 25 members and 7 guests answered the roll call. The minutes of the November meeting were accepted as published in the December newsletter. Treasurer KA3YNO, Walt gave the Treasurer's report, which included the change of banks and the current number of members standing at 86.

Committee Reports

Technical: Mike reported that his 432 MHz beacon was down.

Membership: WA3BKD, Art gave the 3rd reading for N3GHT, Bill who was voted in as a member and the 1st reading for prospective member KB3PNE, Colin.

Newsletter: Editor KQ3DX, Greg stated that he has an info exchange agreement between SCARC and the Beaver Valley club.

Ways and Means: WA3FWA, Joe said that he installed the 2008 Call Book on all 3 of the club's PC's for member use. He forwarded all received Special Event QSL's to K3RYA, Bill and presented the Treasurer with a donation request from the local Rennerdale Ambulance service. He listed the items paid for out of the funds gained from the sale of soft drinks and 50/50 raffle receipts.

Contest: Mike listed the Straight Key Night (SKN) for 0000Z Jan.1 2008, the CQ 160 WW CW and VHF contests for January.

Public Service: KA3MSE, Lloyd will run the mid-January net.

Volunteer Exams: AI3J, Mark plans to hold the next session on the 3rd Monday of June (16) at the clubhouse.

Old Business: N3EQP, John had price quotations for the proposed library cabinet and suggested locations in the clubhouse for its placement. Funds were authorized to purchase a cabinet.

New Business: WA3VXJ, Karl declared that the QCWA was looking to increase its membership. KQ3DX, Greg suggested that we renew our ARRL memberships through the club so that the club would get to keep a portion of the dues.

Good of the Order: WB3AGB, Joe reported that N3UUZ, Chuck was OK and that it is a worthwhile experience to operate the ham radio station on the sub Requin. See Art for details. NU3S, Al questioned the inoperable id'er on the ATV station. Since Art is also interested in using the club's ATV he will coerce AA3EE, Dave to attempt fixing the id'er. W3SVJ, Nate reported that the gate to the cell tower shed had been recently broken into.\

Motion to Adjourn: by N3GHO, Gloria

50/50 raffle won by Gloria, N3GHO.

Minutes submitted by Recording Secretary WA3FWA, Joe.



The ARRL WPA Section Page

A new monthly feature where I will highlight thoughts and commentary from our Section Manager, John Rodgers, N3MSE

2007 is quickly coming to an end. I would like to take this opportunity to thank everyone that has helped since I was appointed Section Manager here in Western Pennsylvania. Without your help and support we could not have made the changes we have started.

Several individuals have stepped forward and assumed the duties of Emergency Coordinator in various counties. I am grateful for these people who have volunteered to perform these duties. We are still in need of others to fill vacancies in some counties and also need individuals to assume the duties of District Emergency Coordinators. Both of these positions require that the individual be a member of the ARRL. Also an important duty is the monthly filing of reports to the Section Emergency Coordinator. This is a requirement that must be completed by all appointees.

I am also looking for volunteers to perform other duties in the section and in various other areas of importance. One area I am looking for is someone to perform the duties of Public Information Coordinator. This individual will coordinate the efforts of the local PIO's in getting information out to the public with regard to the way amateur radio plays an important part of the communities and agencies we serve.

With the closing of the year 2007 I reflected in the many fun times I personally had during the past year. The several contests that I was able to operate in, the hamfests I attended and of course, Field Day operations are a few of the enjoyable times. I cannot forget the PA QSO Party which I look forward to each year and the chance to chat with many old friends and new ones too. Another enjoyable duty for me is the chance to attend club functions throughout the section and visit with members that I do not get to hear from as often. My schedule is open in many time slots if your group would like me to speak at one of your meetings or events. Amateur clubs are an important part of the building of the radio service. I also would like to hear from the clubs via their newsletters so please put me on your mailing list: [<n3mse@arrl.org>](mailto:n3mse@arrl.org).

I would like to congratulate the Triple A Amateur Radio Association on their 75th anniversary this month as an affiliated club. That is a tremendous milestone for a club to accomplish. I want to remind all clubs that they need to go to the ARRL site and complete the annual report yearly to continue their active affiliation. The web site for this report is as follows:

[<http://www.arrl.org/FandES/field/club/forms/fsd2/>](http://www.arrl.org/FandES/field/club/forms/fsd2/)

(continued on next page)

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ARRL WPA News (con't)

Reward: 500 Microfarads!!

To each and every one of you I want to wish you a joyous holiday season and a prosperous new year. Let's wish for increased sunspots and do not forget to join me on New Year's eve as I take part in the straight key night. Put away the paddles and keyers and dust off the straight key for a night of fun. I dug mine out and have it set up on the rig, ready to go. Don't forget now during the winter months is also a good time to set up your station and maybe experiment in some of the many digital modes that are available to us. I am getting involved in a few myself and having a great time.

Recently I had forwarded a message about milestones in the section. HQ has found an error in the database so I am forwarding the new information I have received. First I would like to congratulate The Beaver Valley Amateur Radio Association on attaining 75 years as an ARRL affiliated club. This is quite a milestone in club status. Secondly Triple "A" Amateur Radio Association celebrates 75 years this month as an affiliated club. Finally I want to welcome The Amateur Radio Club of Edinboro University as our newest affiliated club.

Happy Holidays to everyone and best 73, John, N3MSE.

A REWARD OF 500 MICROFARADS IS OFFERED FOR INFORMATION LEADING TO THE ARREST OF THIS DESPERATE CRIMINAL, HOP-A-LONG CAPACITY.

THIS UNRECTIFIED CRIMINAL ESCAPED FROM A WESTERN PRIMARY CELL WHERE HE HAD BEEN CLAMPED IN IONS AWAITING THE GAUSS CHAMBER. HE WAS CHARGED WITH THE INDUCTION OF AN 18 TURN COIL NAMED MILLIHENRY WHO WAS FOUND CHOKED AND ROBBED OF VALUABLE JOULES. HE IS ARMED WITH A CARBON ROD AND IS A POTENTIAL KILLER. CAPACITY IS ALSO CHARGED WITH DRIVING DC MOTORS OVER A WHEATSTONE BRIDGE AND REFUSING TO LET THE BAND-PASS.

IF ENCOUNTERED, HE MAY OFFER SERIES OF RESISTANCE. THE ELECTROMOTIVE FORCE SPENT THE NIGHT SEARCHING FOR HIM IN A MAGNETIC FIELD, WHERE HE HAD GONE TO EARTH. THEY HAD NO SUCCESS AND BELIEVED HE HAD RETURNED OHM VIA A SHORT CIRCUIT. HE WAS LAST SEEN RIDING A KILOCYCLE WITH HIS FRIEND EDDY CURRENT WHO WAS PLAYING A HARMONIC.

For Those Who Understand, No Explanation Is Necessary.

For Those Who Don't Understand, No Explanation Is Possible. (Thanks Nate, W3SVJ for this one!!)

Propagation Report

Information Courtesy of the ARRL Propagation Bulletin

Recently the ARRL Propagation Bulletin reported sunspot 978 rotating from view. Now through a process called helioseismic holography, an image of the Sun's far side shows the spot fading away. 978 was first visible December 6, and squarely faced earth on December 12. Perhaps January 2 or 3 we will again see 978 peeking around the eastern limb, if it hasn't by then faded completely.

No sunspots at all this past week, and average daily solar flux was down over 12 points from the previous week. Geomagnetic activity was still low, and down slightly. Over the next week the planetary A index is predicted to be 5 on each day, a low number indicating a stable and quiet geomagnetic field. Solar flux is expected to stay around 72 for Dec 28-30, rising to 73 on December 31, 75 for the first few days of the new year, then up to 80 and 85 by January 4-5.

This indicates an expectation for the return of sunspot 978 or possibly other sunspots around the same time. Geophysical Institute Prague predicts quiet geomagnetic conditions December 28-30, quiet to unsettled December 31, and quiet January 1-3.

Sunspot numbers for December 20 through 26 were 0, 0, 0, 0, 0, 0 and 0 with a mean of 0. 10.7 cm flux was 72.6, 71, 71.5, 71.4, 71.4, 72, and 72.6 with a mean of 71.8. Estimated planetary A indices were 12, 11, 7, 6, 2, 2 and 2 with a mean of 6. Estimated mid-latitude A indices were 10, 9, 7, 4, 1, 2 and 1, with a mean of 4.9.

Website Of The Month

The E-Bay Report

Ye Olde Editor's Disclaimer: I have no interest, either pecuniary or monetary in the websites listed herein. All I wanna do is to make the newsletter a more interesting read. 73, KQ3DX

Our website for this month:
The Mariana Islands DX Association:

<http://www.guam.net/pub/midxa/>

This is a nice website that'll give you a taste of being on the DX side of the QSO. Lots of nice photos of the Marianas Islands and Guam are featured here, as well as old QSL card images from past operators, going all the way back to the 1940's. Personally, I like to look at those old QSL card images; its an interesting look into the past history of Amateur Radio.

I found the pictures of the individual islands especially interesting.(Found under the 'Island Pictures' link.) If you scroll all the way through them, you'll see photos of when Super Typhoon Paka hit the islands in 1997. This typhoon produced SUSTAINED winds of 160MPH, and gusts of 236MPH, the fastest wind speed ever recorded anywhere. Check out the 'Public Service' link too. Club members are quite active in the local public events. Take a look at some of the pictures that highlight some of the local public events on the islands that they support. Wouldn't it be wonderful to be able to wake up in paradise and go jogging or bike riding along the beach every day with that beautiful scenery in the background??

You'll also find nice maps of the region, with links available to individual members pages, along with their QSL information. Links are available to some other websites around the world too, so give it a looksie. Pictures from these islands conjure up the images I had as a kid of Amateur Radio: Sitting on a warm sunny beach in a grass hut, with a dipole strung between 2 palm trees. That is what sparked my interest in Amateur Radio; talking to people on the other side of the world in exotic locations like this one.

All in all, a nice website that features life on the other side of the world as a DX'er.

That's it for our selection this month. Thanks for reading!

CUL/73 de KQ3DX

Ye Olde Editor's Disclaimer: I have no interest, either pecuniary or monetary in the auctions listed herein. All I wanna do is make the newsletter a more interesting read. 73, KQ3DX

This month: More new/old stuff seen on E-Bay.

Once again (since I'm the editor), I get to feature my all-time favorite boat-anchor, the Hallicrafters SX-28 Super SkyRider. Don't worry; I hereby promise NOT to feature this rig next month! This one is absolutely the cleanest one I have ever seen. It's even cleaner than the one featured last month. Completely restored inside and out, this one looks as clean as the day it was manufactured. Not a mark or a scratch on it. Now, I don't know if the bidders got caught up in a bidding frenzy or what, but a lot of activity was seen on this one. Last month's rig went for a mere pittance compared to this gem. Final price: \$3049.00! High-quality restorations like this are in big demand, and this price reflected that. BTW: \$3049.00 in 1940 is worth about \$43,000.00 now!! How much radio stuff could you buy with that kind of money today??!!



The Hallicrafters SX-28A receiver as described above. An investment-grade receiver, if ever I saw one. Whoever did this one took their time and did it right.

More Hallicrafters SX-28A pictures and E-Bay auctions continued on the next page.

The E-Bay Report (con't)



had a modification done to keep the power supply from overheating. The case had a few scratches on it, but a lot of activity was seen on this nevertheless. All-in-all, a pretty clean rig from the early 1990's. Final price: \$1852.00. If I remember correctly, this baby sold for around \$4000-\$5000 new.



More of the Hallicrafters SX-28A SuperSkyrider seen on E-Bay. I just can't get enough of these old classic art-deco designed boat anchors like this one.

Here's another classic, although not quite as old as the Hallicrafters rig. This time it's the Icom IC-781. This was one of the first big-money rigs that unfortunately are all too common today. It was way ahead of it's time when it was manufactured. Probably the first rig with a CRT to display various parameters, including a spectrum scope. Although it was a monochrome display, it was a really fabulous feature, and quite a novelty. Remember, this was long before LCD displays were commonplace on HF rigs like they are today. This particular specimen, was recently serviced and



The Icom IC-781 as seen on E-Bay. This rig was way ahead of it's time with that CRT display.

Last up is an Icom IC-735 HF Transceiver. This is a nice little compact rig that you can use at home or in the car as a mobile. This rig had a clean front panel, and a little scratching on the case, but the nice thing about this unit is that it has the optional CW and SSB filters installed. This is a very nice starter rig for getting into HF, and has a lot of nice features on it. This little rig sold for the very-reasonable price of \$330.00 plus an additional \$40.00 for shipping. I didn't see a microphone with it though, but those can also be found very reasonably. (See picture below.)

That's it for this month. Thanks for reading!! 73 de KQ3DX



Local News/Stuff

SCARC Swap 'n Shop

- ◆ The following is an E-Mail sent to Jurgen Riemann, one of SCARC's DX Members, from Joe WA3FWA, our recording secretary:

DR OM Jurgen/Andy,

Today, Dec. 26, I stopped at the Carnegie Post Office to pick up the club mail and they had a package for us from Germany. What a nice surprise! We opened the package at the club this night (Wednesday) and enjoyed the cakes and candy. The "Mandel-Printen" was quickly eaten by the guys. Thank you very much "Andy" for being so thoughtful and kind to the Steel City Club members. Best wishes for you and we hope you can visit us in the new year.

- ◆ From Billy, N3VEF comes the following: "Hi, here is a book about antennas. At the end of the online book, You can download a PDF version of this antenna book."

<http://www.hamuniverse.com/n4jaantennabook.html>

Understanding Antennas For The Non-Technical Ham

A Book By Jim Abercrombie, N4JA

([Jim Abercrombie n4ja@prtcnet.com](mailto:Jim.Abercrombie.n4ja@prtcnet.com))

- ◆ Nate, W3SVJ reports that Bill Fritz, W3LHN went sk on the morning of 12/21 after a long illness.
- ◆ Billy, N3VEF also sends this one along: "Here is a great video on setting up a correct PSK31 setup and adjusting the soundcard setting. Very good and simple information. I hope to see you on the water fall on the January ground wave PSK31 contest."

<http://www.youtube.com/watch?v=I3CwHaX715M>

- ◆ Don't forget about the Wireless Association of South Hills WASHFest coming up on February 24. Details on the first hamfest of the new year are available on page 9. Hope to CU there!!
- ◆ THANKS TO NATE, W3SVJ, BILLY, N3VEF, JOE, WA3FWA, KURT, KA3LNG, & ARRL for your help in putting together this month's newsletter!! 73, KQ3DX

1. ICOM FM Transceiver IC-2 SRA, COMET CHF-816 ANTENNA, BC-72 DESKTOP CHARGER

PRICE: \$125.00

2. YAESU DUAL BAND FM TRANSCEIVER FT-51/R, DIAMOND RH777 144/430 ANTENNA, NC-50 RAPID CHARGER

PRICE: \$ 200.00

3. ICOM FM TRANSCEIVER IC-W21AT, ICOM VHF FA 140BB ANTENNA, BC-79 DESKTOP CHARGER, CHARGER ADAPTER AD-25

PRICE: \$150.00

4. KENWOOD DUAL BAND FM TRANSCEIVER TH-D7, MALDON AS-30 ANTENNA, KENWOOD RAPID DESKTOP CHARGER

PRICE: \$150.00

5. ICOM IC-R3 RECEIVER (HF), NO ANTENNA, ICOM BC-135 DESKTOP CHARGER

PRICE: \$150.00

6. YUPITERU MVT-700 MULTIBAND RECEIVER, NO ANTENNA, RECHARGABLE NiMH BATTERIES

PRICE: \$175.00

7. YAESU HF/VHF/UHF TRANSCEIVER FT-817 160-10M, 6M, 2M, 70CM PORTABLE OPERATION, VELCRO POUCH WITH STRAP, NO ANTENNA, OPERATING MANUAL

PRICE: \$300.00

8. YAESU HF/VHF/UHF TRANSCEIVER FT-857 MOBILE, REMOTE HEAD 100/50/20 WATTS, w/MANUAL

PRICE: \$400.00

9. ICOM RECEIVER IC-R100, 0.5 - 50MHZ 50 - 905MHZ & 905 - 1800MHZ, DC OPERATION

PRICE: \$250.00

SHIPPING NOT INCLUDED IN PRICE

ERNIE SOTIRAKE, W3EJS, (724) 869-3972

Now in our *THIRTEENTH* big year!



WASHfest 2008

The South Hills Hamfest

Sponsored by the Wireless Association of South Hills Amateur Radio Club, Inc.

Sunday, February 24th, 2008

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

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: Kenwood TS-480SAT
- 2nd Prize: Kenwood TH-D7A
- 3rd Prize: SGC SG-239 HF Smarttuner

Additional Hourly Door Prizes!

Main Prize tickets are \$2.00 each, or 3 for \$5.00

All Prizes Subject to last-minute changes

For reservations, or information, Contact:

Kevin Smith N3HKQ at (724) 228-4153 or Bill Hill W3WH at (724) 746-1776

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
111 Watson Drive
Monongahela, PA 15063-1045

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

December 2007

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January 2008

February 2008

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 24 25 26 27 28 29

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 <i>New Year's Day</i> WACOM 10M Net WACOM 2M Net ARRL Straight Key Night SARTG New Year RTTY Sprint	2 <i>SCARC Social Nite</i> Alleg. Co. ARES Net	3 SkyView 2M Net	4	5 ARRL RTTY Roundup EUCW 160M CW Contest
6 WASH Sun. Eve Net ARRL RTTY Roundup ARRL Kids Day EUCW 160M CW Contest	7 Breezeshooters Net	8 WACOM 10M Net WACOM 2M Net	9 <i>SCARC Social Nite</i> NHARC Business Meeting Alleg. Co. ARES Net	10 SkyView 2M Net	11	12 North American QSO Party CW 070 PSKFest Worked All Britain Top-Band Contest
13 WASH Sun. Eve Net North American QSO Party CW DARC 10M Contest	14 Breezeshooters Net	15 <i>SCARC Business Meeting</i> WACOM 10M Net WACOM 2M Net 2 Rivers ARC Business Meeting	16 Alleg. Co. ARES Net	17 SkyView 2M Net NAQCC Monthly Straight Key Sprint	18	19 ARRL January VHF Sweepstakes UK DX RTTY Contest Int'l United Teenager Contest LZ Open Championship
20 WASH Sun. Eve Net ARRL January VHF Sweepstakes UK DX RTTY Contest HA DX Contest	21 <i>Martin Luther King, Jr., Day</i> Breezeshooters Net HA DX Contest	22 WACOM 10M Net WACOM 2M Net	23 <i>SCARC Social Nite</i> Alleg. Co. ARES Net	24 SkyView 2M Net	25	26 WASH Club Breakfast CQ WW 160M CW Contest BARTG RTTY Sprint REF French Contest YLI SSB QSO Party
27 WASH Sun. Eve Net CQ WW 160M CW Contest BARTG RTTY Sprint REF French Contest YLI SSB QSO Party	28 Breezeshooters Net	29 WACOM 10M Net WACOM 2M Net	30 <i>SCARC Social Nite</i> Alleg. Co. ARES Net	31 SkyView 2M Net		

January 2008

S	M	T	W	T	F	S	
			1	2	3	4	5
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February 2008

March 2008

S	M	T	W	T	F	S
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9	10	11	12	13	14	15
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23	24	25	26	27	28	29
30	31					

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 <i>Groundhog Day</i> Vermont QSO Party 10-10 Int'l SSB Contest MN QSO Party Delaware QSO Party
3 WASH Sun. Eve Net Vermont QSO Party 10-10 Int'l SSB Contest Delaware QSO Party	4 Breezeshooters Net Delaware QSO Party	5 WACOM 10M Net WACOM 2M Net	6 <i>SCARC Social Nite</i> <i>Ash Wednesday</i> Alleg. Co. ARES Net	7 SkyView 2M Net	8	9 CQ WPX RTTY Contest FISTS Winter CW Sprint SARL Field Day Contest
10 WASH Sun. Eve Net CQ WPX RTTY Contest NA SSB Sprint SARL Field Day Contest	11 Breezeshooters Net	12 WACOM 10M Net WACOM 2M Net	13 <i>SCARC Social Nite</i> Alleg. Co. ARES Net	14 <i>Valentine's Day</i> SkyView 2M Net	15	16 ARRL International DX CW Contest
17 WASH Sun. Eve Net ARRL International DX CW Contest	18 <i>President's Day</i> Breezeshooters Net	19 <i>SCARC Business Meeting</i> WACOM 10M Net WACOM 2M Net	20 Alleg. Co. ARES Net	21 SkyView 2M Net	22	23 NA QSO Party RTTY CQ WW 160M SSB Contest REF SSB Contest WASH Breakfast
24 <i>WASHFest 2008</i> NA QSO Party RTTY CQ WW 160M SSB Contest REF SSB Contest WASH Sun. Eve Net	25 Breezeshooters Net	26 WACOM 10M Net WACOM 2M Net	27 <i>SCARC Social Nite</i>	28 SkyView 2M Net	29	

**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)**

**ATV Repeater: 426.250MHz
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**1296MHz Beacon: 1296.269MHz
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