



► YOU CAN NOW SEE THE NEW AND IMPROVED INFO PAGE, ALONG WITH CLUB OFFICER INFORMATION AND TABLE OF CONTENTS ON **PAGE 2**



► FOR THE MARCH BUSINESS MEETING MINUTES, TURN TO **PAGE 4**



► SEE WHAT'S GOING ON IN THE MONTHS OF MARCH AND APRIL.....**PAGE 20** FOR MARCH AND **PAGE 21** FOR APRIL

MARCH | 2009 | ISSUE 3

OUR NEXT BUSINESS MEETING WILL BE ON MARCH 17TH AT THE CLUB-HOUSE. MEETING STARTS AT 8:00PM. FOOD & SOCIALIZING FUN STARTS IMMEDIATELY THEREAFTER. CU THERE!



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

KiloWatt Harmonics

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

The Prez Sez.....

The WX was finally a tad milder and the road clear for our February meeting for discussions of important items, good company and good eats. To all that made the trek up the hill, thank you for attending.

I was very surprised to see Della N3DQ walk in with a A.E.D. in hand. I suppose she was a bit surprised as well as I knew what she had. When she asked about bringing up during the meeting the purchase of such an item, I was more than glad to agree.

This very item is on the list of things to do for the club during 2009. For those folks that missed the meeting, A.E.D. stands for Automatic External Defibrillator. This handy little plastic box of technology, can save lives and does so everyday. This valuable addition to our clubhouse will, in addition to CPR / AED training, give us a much needed edge should someone experience heart failure.

After the arrival and placement of the AED at SCARC, training

will follow and I would really like to see as many of our membership as possible certified in it's use. Please consider doing so; this is good stuff to know. I have had this training at my work and it is really easy to use the AED. Need more incentive? A co-worker of mine in his early 40's suffered a heart attack and he is quite health conscious! Further info and training scheduling will be posted when available.

Our Technical committee got a little re-vamping with Joe W3BC taking up HF duties and Mike WA3TTS the VHF/UHF side of things.

Mike has been shouldering the load of all things Tech for quite some time and that's a lot of load for one guy. Let's face it, keeping all the equipment in proper working order is no small task and Mike has done so. Enhancing operation, repair and protection of equipment can be a full time job in a club atmosphere.



Mike, your efforts and talent are appreciated!

We have a wonderful talent pool that we must take advantage of and I expect Joe and Mike will do just that.

The WASHfest 2009 hamfest was a great gathering of lots of people and good Junque.

(CONTINUED ON PAGE 6)

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INSIDE THIS ISSUE: (CLICK ON AN ARTICLE TO READ IT)

In The World Of DX.....Page 3

Feb. Meeting Minutes.....Page 4

ARRL WPA Section News....Page 5

Riddle Me This.....Page 7

Hamvention News.....Page 7

Website Of The Month.....Page 8

Hamvention Lodging Info....Page 9

**SCARC Swap 'n Shop/Skywarn
Classes.....Page 9**

QCWA Meeting.....Page 10

On The National Front.....Page 11

Remembering KA3LNG.....Page 13

Beginner's Help Desk.....Page 14

**SCARC 2009 Dues Renewal
Form.....Page 23**

**KiloWatt Harmonics,
March 2009**

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Amateur Radio Club**

Edited by 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) 1/2 w ERP
ATV Repeater: 426.250MHz (Currently off-line.
Contact AA3EE for more info.)
1296MHz Beacon: 1296.269MHz (CW) 1W**

**AND I COULDN'T HAVE PRODUCED THIS
NEWSLETTER WITHOUT THE HELP OF
THESE FINE PEOPLE: WC3O, N3LL,
W3UUH, W3SVJ, WB3HDI, NU3Q, N3MSE,
ARRL, WA3FWA , K9VKY, & Dave Blasi-
man. THANKS ALL, FOR YOUR EF-
FORTS. 73 DE NB3C ET AL!**

In The World Of DX.....

From various issues of The ARRL DX Bulletin. Thanks, ARRL for permission to reprint here.

⇒ **ITALY, I.** To celebrate the 100th anniversary of Guglielmo Marconi's Nobel Prize in Physics, special event station IY1GM is QRV until March 31. QSL via IK1UGX.

⇒ **CRETE, SV9.** Willi, DJ7RJ will be QRV as SV9/DJ7RJ beginning February 24 and be here for three weeks. Activity will be on the HF bands using CW and SSB. QSL to home call.

⇒ **NIGERIA, 5N.** Bodo, DL3OCH is QRV as 5N/KT3Q until July 24 while on business. Activity is on 160 to 10 meters, including EME. QSL to home call.

⇒ **NETHERLANDS, PA.** Special event call PA750ASN is active until April 15 to commemorate the 750 years of the town of Assen. Activity is on all bands and modes. QSL via PI4ASN.

⇒ **BANGLADESH, S2.** Some members of the Korea DX Club will be active as S21KD from Dhaka from March 7 to 14. Activity will be on 160 to 10 meters using CW, SSB and various digital modes. QSL via HL5FUA.

⇒ **CHAD, TT.** Franck, F4BQO is QRV as TT8CF until July 1. Activity is on all bands using CW and SSB. QSL direct to home call

⇒ **MICRONESIA, V6.** Mike, KM9D and Jan, KF4TUG are QRV as V63MY using CW and V63TO using SSB, respectively, from Tu-ruaimu Island, IOTA OC-167, for about one week. Activity is on 40 to 10 meters. QSL via OM2SA.

⇒ K5D NOW QRT

And so it's over. The K5D 2009 Desecheo Island DXpedition is in the history books.

Every one of our goals was exceeded; most significantly, the number of QSOs.

Total Qs: 115,728!

Because our Special Use Permit (SUP) expires today, and because of the size/complexity of the infrastructure to dismantle, we decided to use helicopters to clear the island. Flights began at 1100Z and will continue until all gear and personnel are safely back in Puerto Rico.

Return to our website for final photos and operations statistics later today or tonight.

Thanks to all who worked and helped us; we think we've driven KP5 Desecheo to near the bottom of the "most wanted" list!

⇒ JIM SMITH, VK9NS SK

Jim Smith, VK9NS (ex-P29JS), of Norfolk Island, Australia, passed away Tuesday, February 10, after a short illness. He was 80. A noted DXer and ARRL member, Smith was #81 on the Islands on the Air (IOTA) Honour Roll. For more info, follow this link: <http://www.arrl.org/news/stories/2009/02/10/10638/>

⇒ PROPAGATION UPDATE (not much DX News this month!!)

There have been no new sunspots since the recent brief three-day appearance of quickly fading sunspot 1013 on February 24-26. It was another Solar Cycle 24 sunspot, but this is not too encouraging, considering how brief and weak it appeared. There are no predictions for new sunspots, but these events tend to occur suddenly. Sunspot numbers for February 26-March 4 were 12, 0, 0, 0, 0, 0 and 0 with a mean of 1.7.

The 10.7 cm flux was 69.9, 68.9, 70.6, 69.4, 69.2, 69.1 and 69.7 with a mean of 69.5. The estimated planetary A indices were 2, 8, 5, 3, 2, 5 and 7 with a mean of 4.6. The estimated mid-latitude A indices were 2, 7, 4, 2, 0, 5 and 5 with a mean of 3.6. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/tis/info/propagation.html>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <http://www.arrl.org/w1aw/prop/>.

Business Meeting Minutes: February 2009

President WB3HDI, Bob, conducted the meeting at 8 PM. The Pledge of Allegiance was recited and followed by a moment of silence for our Silent Keys. The roll call revealed 22 members and 3 guests in attendance. The minutes of the Dec. 2008 meeting was accepted as published in the newsletter, as there was no January 2009 meeting held due to snow and ice conditions on the club property. The Treasurers report was given by the Treasurer KA3YNO, Walt and accepted by the membership. Walt said that 39 members have paid their dues to date.

Committee Reports:

Clubhouse WA3VXJ, Karl cleaned the clubhouse for the meeting and is preparing the after meeting eats contributed by WB3HDI, Bob. Karl mentioned that we need to form a cleaning crew for the outside grounds when the weather breaks. N3VEF, Billy checked out some newer replacement batteries. A recent power failure caused our Echolink to go down and the old backup batteries have become exhausted.

Technical W3BC, Joe has agreed to cover HF stuff and WA3TTS, Mike will take care of all things VHF and UHF. Mike has improved the 80 and 160 feedlines and antennas and has made more common mode chokes to work on other bands. Mike also displayed a 10 GHz antenna that he constructed. W3BC Joe will look into the feasibility of SCARC having a D-STAR repeater.

Contest We still need a warm body to take the contest committee. This Saturday, there will be a Breeze Shooters CW contest on 10 meters ground wave and a CQ WW 160 meter contest on Feb. 28 & Mar. 1.

Membership WA3BKD, Art gave the 2ed reading for prospective member KB3RUK, Jim.

Newsletter Give editor NB3C, Greg your articles and photos for publication in the Kilowatt Harmonic.

Public Service KA3MSE, Lloyd said that the net is using the '73 repeater while the '09 is down and that NU3Q, Bob will run the net for the club's next turn. N3NHS, Jeff requested volunteers for the May 3rd Pittsburgh Marathon, as there is a need for another 100 operators.

Ways and Means WA3FWA, Joe stated the following; the 2008 QST's are in a binder on the bookshelves, transferred money from the beverage and raffle fund to the Treasurer, put the 2009 CB CD on all 3 PC's, paid for the yearly PO Box rental fee from the fund, put an ARRL certificate for the Jan. 2008 VHF contest in the awards binder, will collect any out going QSL cards and run the 50/50 raffle tonight.

Volunteer Exams The next session will be March 16.

Old Business Send your requests to N3EQP, John if you want any additions to the library. Mike made a reference card for the FT-847 showing all control functions as an example of the project to make instructions to use each of the club's equipment. You must use the club call, W3KWH when operating any of the radios on the club property. Travel the club's road at your own risk when it is icy or snow covered. We should get a

certified map from the company that did the club property survey: Karl will attend to this matter.

New Business N3DQ, Della displayed and explained the use and necessity of an Automatic External Defibrillator. She quoted some prices for the purchase and maintenance of a unit and offered to give instructions for it's use and also would conduct CPR classes on Wed. social nights. Bob HDI said that the 21-year cell land site lease is due by year's end and wants to form a committee to write a new contract. W3SVJ, Nate suggested that we retain an attorney to advise us in dealing with the cell people. Funds were approved for a lawyer's services.

Good of the Order Nate reported that KA3LNG, Kurt had fallen and hurt his shoulder and arm and that AK3J, Stew had outpatient surgery preformed last Thursday.

Motion to Adjourn by Art.

50/50 raffle won by W3SVJ, Nate

Minutes submitted by the Recording Secretary WA3FWA, Joe

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ARRL WPA Section News

The next few weeks will be a busy time with hamfests scheduled for each Sunday now through the 8th of March. On Sunday February 22nd we have the annual Wireless Association of South Hills WASHfest, Location: Castle Shannon VFD 3600 Library Road, Castle Shannon, PA. Talk-in 146.995- 131.8pl. For additional information visit the website at <<http://n3sh.org>> The following weekend on March 1st Monessen Amateur Radio Club (MARC - W3CSL) -- Location: Blaine Hill VFD 409 Oxford Avenue Elizabeth, PA Additional information is at <<http://w3csl.org/>>. And finally on March 8th Foothills ARC -- Location: Greensburg Hose Company #1 6 McLaughlin Drive Greensburg, PA -- Talk-in: 147.180+ (PL 131.8) -- Additional information is at <<http://www.w3lww.org/>>. I plan to attend each of these hamfest and will be at the ARRL table to talk with those attending the events. Please support the clubs involved by attending and stop by the league table to say hello.

Presently we are looking for volunteers to participate in various levels of ARES leadership. An opening for DEC for N-1 has occurred as Vic Pears has submitted his resignation since he will be moving to Texas. Thanks for your help Vic and we wish you well in your future endeavors. Several counties are also in need of individuals to serve as Emergency Coordinators for the county. Anyone interested should contact John Szwarc, N3SPW, <jsswarc@yahoo.com> .

There is also a need for a Public Information Coordinator for the section as well as additional assistant section managers for various areas. One area that is in need of attention is youth and education. While we have been conducting various webinars for the division, additional topics and presentations are needed. If you have a suggestion for a topic or a talk you would be willing to present contact me and I will discuss with Director Bill Edgar.

This year field day will be held on June 27 and 28, 2009. I am already making plans for my travels or to operate during the field day weekend. Groups that would like me to stop by their location should send me the information as soon as possible with the address or GPS coordinates to make it easier to locate. Clubs that plan on ordering pins etc., should watch the league store as these items sell out very quickly.

I would like to hear from clubs and individuals that are experimenting with different modes of communications. If you are using new digital programs or modes please send me your story to share with the others in our section. I have seen the new netbook computers available at around \$300 that weigh about 2 pounds and are perfect for that portable digital station. If you know of software for amateurs that you think is a good program for emergency usage or station operation let me know so we can share with other operators in our area. (CONTINUED ON PAGE 7)

More of the Prez Sez.....(from page 1)

The WASHfest 2009 hamfest was a great gathering of lots of people and good Junque. SCARC was well represented at this gig and I think about 10-20 club members were in attendance. It was good to see all your smiling faces. As usual, I found stuff I just could not live without. While I am not sure the extent of 'economic stimulus' I may have provided, seems to me it made a few folks happy.

While standing in one of the aisles, Bob KB3NZX happened to look down and spied a 100.00 bill on the floor. Not something you

This nice frantic fellow gave NZX 20.00 for returning the lost bill. Good stuff, 'eh?

Our contest committee needs a

The access code to the clubhouse will be changed the evening before the regularly scheduled March meeting of the 17th.



The access code will be changed the evening before the regularly scheduled March meeting of the 17th. Paid up members, as determined by the treasurer, will be issued the code on meeting night.

That same list will then be used for the printed/USPS mailed roster. Thanks for your cooperation.

see everyday mind you. He told me that he picked it up, looked to his right and asked that fellow if he had lost the 100.00. Nope, not that guy. Looking left, he asked this fellow the same thing and while this guy did not lose any money, his friend did. Bob looked over at the friend, who had a frantic look on his face, and asked him if he had lost anything. Showing the 100.00, this frantic fellow had a look of relief wash over him and let go a huge sigh.

devoted caretaker. A volunteer was asked but he got out of the handcuffs. While I understand contest stuff is not for everyone, I am hoping that some brave & hearty soul would like to take up the duties. I.E.: Volunteers? Anyone? Hello?

If anyone has any interest in helping out with the upcoming Marathon, please do consider it seriously. Many years have gone by since I had participated and it was always fun and a learning experience. I still have the shirts from past events, though they seem to have shrunk a bit for some strange reason. My work sked will keep me away from any participation or I would love to do it again.

Paid up members, as determined by the treasurer, will be issued the code on meeting night. By the way, did you know dues are due?

That same list will then be used for the printed/USPS mailed roster. If you have not sent in the information page to be included in the roster, please do so. Thanks for your cooperation.

Thanks for reading along.....see ya on the hill.

73's Bob HDI

WPA News (from pg 5) Riddle Me This.....

Look forward to seeing you at an upcoming event or working you on the air. The K5D operation from Desecheo Island is in full swing. I was fortunate to work them this weekend and the pile ups have been very heavy. This is recorded as being the seventh most wanted entity for DX operation. I wish you luck is getting this rare one.

I am pleased to announce that Art Lund NQ3A has been appointed as the DXCC Card Checker for the Western Pennsylvania section. Art can be contacted at nq3a@arri.net Notification. Word was received this morning from Bill Moore at HQ that Art has completed his training and test and is ready to go. Art will be at the WASHFEST this Sunday in Castle Shannon.

Thanks to Art for volunteering and accepting this position and a thank you to the other amateurs who also volunteered for the position. Only one can be designated per section but we appreciate your help.

Remember to get involved with traffic handling on a local or sectional net.

73, John Rodgers, N3MSE
WPA. Section Manager

Our next business meeting will be held on March 17 at 8PM. CU @ the Club-house!!

CAN YOU GUESS WHAT THIS IS ?



Any idea what it is?? Take a good look at it, think about it over a cup of coffee and **turn to page 8** for the answer.....

Some points of info:

The former Salem Mall will be used for remote parking again this year.

Bus passes will be the same price, \$3 per day, \$8 for all three.

The golf cart shuttles will run as they did last year.

Admission prices are the same.

There will be a club section in the fleamarket.

If you have specific questions you should try the hamvention email addresses:

tickets@hamvention.org-----fleamarket@hamvention.org
exhibits@hamvention.org-----forums@hamvention.org
volunteers@hamvention.org

**It's never too
early to talk
about
HamVention!**
>>>>>>>>>>>>>>>>

Website Of The Month.....

A (semi) frequent feature where I try to highlight websites I hope that you will find useful & interesting. YE OLDE EDITORS DISCLAIMER: I have no interest, either pecuniary or monetary in the websites featured herein. All I want to do is to liven up the newsletter a little. Thanks for reading! 73 de NB3C!

My website pick for this month: The NG3K Amateur Radio Contest/DX Page:

⇒ [<http://www.ng3k.com>](http://www.ng3k.com)

This is a nice informative website for all you DX'ers and Contesters out there. One of the things I like about this website is that there is a breakdown by contest of planned DX operations. Also available are links to many different contest calendars, so you can plan for your next big contest operating event. I personally like the WA7BNM contest site; it's the one Ye Olde Editor uses for filling in the calendars at the end of each newsletter. That link, plus a few others are available on this site.

Links are also available to individual Contest Web Pages. Here, you'll find info specific to a particular contest. Looking for contest software? You can find it here too.

If you're keeping tabs on all the upcoming DXpeditions, you'll find many links to stay current. Not only that, but there is even a link to past operations, going back to 1996, broken down by contest. Need to know which DX entity is assigned which prefix? Yep, you can find it here too.

All kinds of archives of DX Bulletins, ARRL Bulletins, Propagation Bulletins are accessible here too. County hunters: You can find a list of every U.S. county here too so you can keep up on which counties you need to finish up your Worked All Counties award.

The bottom line is that there are so many helpful hyper-links here that I could fill the entire newsletter with them only. As I said, a nice informative website, nicely organized so you can find what you're looking for in a hurry. I highly recommend it.

That's it for this time. Thanks for reading! 73 de NB3C!

The 'Riddle Me This' Answer.....



It's a hard disk drive in 1956....

This is the volume and size of 5MB memory storage in 1956.

In September 1956 IBM launched the 305 RAMAC, the first computer with a hard disk drive (HDD). The HDD weighed over a ton and stored 5MB of data.

Makes you appreciate your 4 GB USB thumb drive, doesn't it?

Swap 'n Shop.....

- ⇒ I have a roll of half-inch Commscope heliax for sale with male N-connectors on each end, 280 foot long. My asking price is \$180.00. I also have a piece of half-inch Andrew heliax for sale as well (plain – no ends), about 15 to 20 feet long. My asking price is \$10.
- ⇒ 1). ICOM IC-2200H 2 meter mobile with Hustler MX-2 5/8 wave mag mount antenna. Asking price \$120. This radio and antenna came from my mobile.
- ⇒ 2). Yaesu YSK-7800 separation kit – brand new, never used. Asking price \$50.

If anyone is interested, please let me know.

73 de Bob, NU3Q

"I have a special thank you to send out to Jack W3UUH and Joe WA3FWA. These nice fellows have given / lent me some older to very old pictures and negatives, of the club and activities, for archiving.

This is a wonderful help in partially restoring the pictorial history of SCARC and is greatly appreciated. If anyone has any antique pictures, negatives, slides, what-have-you, and are willing to let me scan and archive them, please let me know. We especially need more older pictures of the early days even if just pics of the members.

Thanks guys!" 73 de 'HDI



Skywarn Classes.....

For those of you interested, there are two training sessions coming up at Skyview, as follows:

Tuesday, April 14th: Skywarn Net Procedures (NOT to be confused with formal NWS Skywarn training!)

Tuesday, May 12th: Traffic Handling Class – learn how to receive and pass formal amateur radio traffic

Both sessions are from 7PM to 8:30 PM.

While on the subject of Skywarn: There is a formal NWS Skywarn training class coming up on April 16th at Mt. Lebanon Library at 6:30 PM.

73 de Bob Mente, NU3Q
Amateur Radio Operator NU3Q
Allegheny County ARES/RACES
Skywarn Storm Spotter

I have room at the Inn (Dayton, that is).

Ye Olde Editor has rooms available this year for Dayton Hamvention. These rooms are at the University of Dayton, and are in the Lawnview Apartment complex. Forget about your stereotypical college dorm rooms: These are very clean and well kept rooms. Each room has 2 bedrooms with 2 beds each, a kitchen complete with fridge, oven and microwave, and a nice little living room area. There is a bathroom in each room with a shower (but not a tub), and the University supplies linens. Cost per room is \$93.00 a night, but if you get 3 buddies to bunk with you, your individual cost is \$69.75 for the entire weekend!! Interested?? Lemme know at: [<KQ3DX@hotmail.com>](mailto:KQ3DX@hotmail.com), and I'll be glad to fill you in. But act fast: If I have no takers by Friday March 20, I turn them back in so somebody else can get in on a bargain!!

Come on down to the next QCWA Meeting for a history lesson!



The next meeting of the QCWA, Chapter 6 will be held on Saturday, March 14 at Noon. Doors open at 11:30 AM. We will be returning to our previous venue of: Rocky's II, 1562 Island Ave., McKees Rocks, PA.

For those not familiar with Rocky's II, it is located on Route 51 (locally known as Island Ave.) in Stowe Township near the bridge on the east side of Neville island.

Hopefully, we will be presenting Bill Guthrie, W3LDB, with a plaque commemorating his 75 years in amateur radio! Come help us celebrate this milestone in Bill's career and hear what it was like to be out in 1933. 73, Brian K9VKY

ALL are invited, QCWA member or not, HAM or not, for a pleasant "eyeball" QSO with old friends and meet some new friends. We order off the menu and nobody is selling anything! CU there, 73 de W3SVJ, younger than W3LDB's license!

The SCARC Birthday Bunch

Art, WA3BKD, will give us a little talk about some homebrew antennas and how you too can put together a low cost aerial, learn a little bit and have fun doing it! This should be a good show so you don't want to miss this next meeting! (March 17)

Due to time and space constraints, I could not run the February Birthday Bunch last month. Like my man Homer Simpson would say, 'DOH!'. So here is the list for February AND March. Happy Birthday to all and good health to you in 2009. 73 de W3SVJ & NB3C!!

February Birthday Bunch

Jerry, KB3BZR	3 rd
Jim, KB3GHX	3 rd
Matt, W3JQJ	6 th
David, WQ3T	6 th
Bob, N3LL	8 th
Tom, AA3CE	12 th
Alan, KA3MXQ	14 th
Mike, WA3TTS	19 th

March Birthday Bunch

Joe, WA3FWA	3 rd
Mel, WA3RVD	11 th
Bruce, N3GHI	17 th
Frank, WB3DQV	24 th
Harry, K3GJS	24 th
Dave, AA3EE	24 th
Mike, WA3PYU	27 th

Frank, Harry and Dave share the same birthday. In a small group such as ours, what are the odds?

(From various issues of the ARRL Bulletin. Thanks to the ARRL for permission to reprint here.)

On the national front.....

⇒ JOHN KANZIUS, K3TUP (SK)

John Kanzius, K3TUP, of Erie, Pennsylvania, passed away February 18 in Florida from pneumonia. He was 64. Kanzius was best known for his research into finding a cure for cancer using radio waves, specifically 13.56 MHz.

In 1966 at age 22, Kanzius came to Erie, Pennsylvania to work for JET Broadcasting. After 24 years as a broadcast engineer, he was appointed vice president and general manager of the company in 1980. After retiring, Kanzius was diagnosed with leukemia in 2002. He summarized his chemotherapy in a February 2008 article in QST as "Hoping we kill the cancer before we kill the person" <<http://p1k.arrl.org/cgi-bin/toppdf.cgi?id=109317&pub=qst>>. In October 2003 -- thinking there had to be a better treatment -- Kanzius had the idea to kill the cancer cell with radio waves, not a new idea. But Kanzius went a bit further: Instead of using needles, as was currently used, why not "trick" the cancer cells into absorbing a metal target -- sent by RF -- into the inside of the cancer cells, leaving the healthy cells alone?

In 2005, Kanzius teamed up with cancer researchers at M. D. Anderson (part of the University of Texas health system in Houston) and Rice University (also in Houston). Using nanoparticles -- metallic objects measured in billionths of an inch -- heated by RF using a machine that Kanzius invented, the researchers were impressed:

"The research scientists at Rice were stunned to see that my device could heat nanoparticles at the 13.56 MHz frequency," Kanzius said.

Kanzius credited his father for his inspiration: "Trying to build an array that would heat particles one billionth of a meter in length was challenging. But building equipment all of my life was inspired by my dad, W3NRE, who was licensed in 1934."

Kanzius told ARRL Media and Public Relations Manager Allen Pitts, W1AGP, that if it were not for his Amateur Radio background, "and all the days of experimentation to improve my station, this new procedure for treating cancer, which continues to show such promising results, would probably not be on the cutting edge at the largest cancer center in the world [M. D. Anderson]."

But Kanzius did more than just try to find a cure for cancer. In 1991, he was Top of Honor Roll in the ARRL DXCC program; at his death, he had

347 countries confirmed. In the March/April 1987 issue of NCJ, Tim Duffy, K3LR, described K3TUP as "a relatively new contest call," but said Kanzius had been DXing for many years: "As he has caught the contest bug, John has taken a station which was designed for busting DX pileups and converted it over to have the flexibility and brute force required to compete in

Multi-Single contesting." Duffy described the station as sitting "situated on a high ridge that overlooks Lake Erie.

The station is well secluded from city-type radio noise and the rural setting allows John to run several temporary beverages for low band receiving." Both Duffy and Randy Thompson, K5ZD, have operated from Kanzius's station.

Pitts recalled that in 2007, he received an e-mail from a ham, asking if he was aware of the research Kanzius was attempting: "I looked at the attached video clip and I was skeptical. But I became more curious about this kitchen table tinkerer-ham and investigated the claims. I learned two major things: First, this was not a harebrained scheme -- it really worked (!), and -- even more important for me -- John Kanzius was a true gentleman. Bright, polite and enthusiastic without being overbearing, I liked him. Over the next months as I wrote the QST article about his work, I came to know him and his true desire to help other cancer victims. Since then, we stayed in touch by phone and e-mail. I enjoyed his delight as each step in the process of bringing his machine and concept to human use was proven by M. D. Anderson and other cancer research facilities. Some people just make your world better by being there. John was one of those people. Though I never

(CONTINUED ON PAGE 12)

More from the national front...(from pg 11)

met him in person, it was always good to hear from him and I enjoyed the friendship. Losing him makes the world a little colder. I will miss him."

⇒ Julius Genachowski Nominated as Next FCC Chairman

On Tuesday, March 3, President Barack Obama nominated Julius Genachowski as FCC Chairman. Genachowski, 46, is a technology executive and a former classmate of Obama's from Harvard Law School.

Upon Senate confirmation, Genachowski will replace Acting FCC Chairman Michael Copps; Copps took over the Commission on January 22, 2009, two days after then-Chairman Kevin Martin resigned.

Genachowski has been widely praised by industry executives and consumer-activist groups -- two groups often at odds -- for his wide-ranging experience and intimate knowledge of technology issues.

"I can think of no one better than Julius Genachowski to serve as chairman of the Federal Communications Commission," said President Obama. "He will bring to the job diverse and unparalleled experience in communications and technology, with two decades of accomplishment in the private sector and public service. I know him as the son of immigrants who carries a deep appreciation for this country and the American dream; and as the proud father of three children working with his wife Rachel to be responsible parents in this digital age."

According to the Wall Street Journal, speculation has been rife as to why President Obama had not put forth Genachowski's name before now, saying that "his nomination has centered on the administration's efforts to find at least one more nominee -- more likely two -- to fill other open spots on the FCC's five-person board. Agency nominations tend to move through the Senate more quickly if a Democratic nominee is paired with a Republican nominee."

The Wall Street Journal said that a number of Republicans -- including FCC Deputy General Counsel Ajit Pai -- have been mentioned as a possible replacement for the seat left vacant by Republican Deborah Taylor Tate when she left the Commission in January. "On the Democratic side, speculation is growing that FCC Commissioner Jonathan Adelstein may not be renominated for the seat he currently holds. South Carolina public utilities commission official Mignon Clyburn (daughter of [Democrat Representative] Jim Clyburn) has been most often mentioned by people close to the Obama team as a candidate for that seat," the Journal reported. "Adelstein could be up for a job elsewhere in the Obama administration, insiders say, possibly at the Agriculture Department."

Acting Chairman Copps said President Obama "made an excellent choice in announcing his intent to nominate Julius

Genachowski to be the next Chairman of the FCC. Julius has the knowledge, experience and dedication to lead this Agency forward as we tackle the many challenges confronting the country -- and the Commission. I look forward to the prospect of working with him on a communications agenda focused on serving consumers and the public interest. He will find here a talented and energized team of public servants committed to precisely this goal. I wish him a successful Senate confirmation."

Commissioner Robert McDowell congratulated Genachowski on his nomination, saying he "will bring a valuable perspective to the Commission with his experience not only in government, but in the private sector. I look forward to working closely with Mr. Genachowski on the many important communications challenges that lie ahead for the American people."

Additional information -- including Genachowski's background -- can be found on the web at, <http://www.arri.org/news/stories/2009/03/03/10684/?nc=1>

(MORE ON PAGE 18)



Remembering Kurtie, KA3LNG.....

- ⇒ The loss of Kurtie hurts, as has that of so many Steel City "legends" of the past - e.g. Joe Merloni, I never thought we would survive his passing - or who can forget Ziggy? In a way our club is a monument to those who gave us so much.

We will remember you, Kurtie.

73, W6LAC

- ⇒ Kurt was responsible for giving me the incentive to get back into hamradio after a pretty long break. I ran into him at the Home Depot in Monroeville. He must have had his call-sign badge or hat on because we got talking about ham radio. Next thing I knew I was up at SCARC to see all the old crew again. Then I discovered that Skyview was right in my backyard. I haven't been back to SCARC much since that discovery but I have been active again ever since talking to Kurt.

73 Kurt & TU

de Bob Boehmer, KG3F

- ⇒ So very sorry to hear this. He was a great guy & will be missed. My condolences to his family.

Jack, W3UUH

- ⇒ I am so sad to here of the news. Please pass my condolences to the family. Kurtie, I'm really gonna miss your laugh and your great chuckle my friend.

KA3LNG de N3LL Best 73's my
friend, dit dit dit dah dit dah



It's so sad to hear the bad news about Kurty.
I will keep him in my mind as a very nice and funny guy. I know that I'll miss him saying "Wie geht's Landsmann?" everytime I met him at the club or over Echolink.
My thoughts are with Nancy and her family.

Ralf, DL4ZAA (CONTINUED ON PAGE 15)

The Beginner's Help Desk.....

Our topic this month: Sound Card Interfaces vs. Data Controllers? What's the diff?

You've probably seen those fancy Data Controllers advertised in some of the Radio Candy Store Catalogs, like the ones from Timewave, HAL, MFJ, Kantronics, etc. You've probably also seen the sound card interfaces like the ones offered by MFJ, RigBlaster, Tigertronics and others, and you're asking yourself, 'What's the difference between the two?'

That's a good question, and I'll try my best to answer it here.

A sound card interface is just like the name implies; it is an interface between the computer and your rig, and uses the internal (or external) sound card in your computer and associated software to generate the various digital coding for the different modes, such as CW, RTTY SSTV etc. In other words, the computer and software such as 'MultiPSK' and 'MixW' that were described in previous versions of the help desk is what generate the various digital modes audio. This data is then sent to the interface which then sends it on to the rig to transmit. Also, the receive data is decoded directly by whichever software you are using. The interface does not decode the received signals.

On the other hand, a Data Controller itself generates all of the digital signals. And yes, while you need a computer to control it, you do not need a sound card to operate a data controller.

All transmit audio is generated by the data controller; the receive audio is sent from your rig to the controller, decodes it and sends it to your computer program to display on the screen. Some of the fancier Data Controllers, such as the current offerings by Timewave, can even interface with your soundcard and provide some extra flexibility in operating the digital modes. Not only that, but a lot of the current Data Controllers even have built-in DSP filtering, to aid in the reception of the digital signals.

I think you'll find this site useful for more info on sound card interfaces: <http://wa8lmf.net/ham/tonekeyer.htm>

⇒ 'OK, I got it. Now how do I set these things up??'

Well, there are 2 ways to do this. The Data Controllers can be either connected to the computer via a Serial Port, or a USB cable. You'll see these available for sale either way. The sound card interfaces will probably interface via a USB cable. With a Serial connection, you'll need to know the COM port number on your computer, the baud rate at which the computer and controller communicate with each other, and maybe the IRQ number. Depending on the rig you are using, you may need to construct some cables to hook up the Data Controller to the rig. This is not hard at all, as most if not all controllers come with an array of connector ends and cable so you can home-brew whatever

type of connection you will need. Most of the newer rigs come with either a phone jack, whether it's 1/8" or 1/4" size, or possibly a 5-pin DIN or mini-DIN plug, or it could even be a RCA Phono-plug connection. For instance; Ye Olde Editor has a Ten-Tec Omni VI that uses RCA plugs on it. On the other hand, my Yaesu FT-1000D uses a combination of DIN plugs and phone jacks to get the audio to & from the controller. The nice thing about the sound card interfaces is that when you purchase them, you simply specify the rig type and the manufacturer will include the proper pre-made cables. At least, that was my experience when purchasing.

Ye Olde Editor has the Omni VI connected with a Tigertronics USB sound card interface via RCA Phono plugs, a FT-1000D connected to a AEA PK-900 using a COM Port to the computer, and 5 PIN DIN plugs along with 1/8" phone jacks to output the receive audio to the controller. I also have an FT-847 that has a RigBlaster NoMic sound card interface that connects to the computer via a COM Port, and connects to the rig using the MIC plug on the front of the radio. So as you can see, there is a variety of ways you can hook the whole mess up together.

With Data Controllers that are connected via a COM Port, you simply plug them in, set the
(CONTINUED ON PAGE 16)

Remembering KA3LNG (from page 13)

⇒ While I am not a member of the club I have known Kurt for some time and I remember what a gentleman he always was. I enjoyed sitting at Steel city this summer during the storm on field day weekend joking and laughing with him. The ham community has lost a wonderful man and a great symbol of our hobby.

My deepest sympathies to his family and friends.

73

John Rodgers N3MSE
W. Pa. Section Manager
ARRL

⇒ I knew Kurty for many years, I don't remember anymore if he was already at the club when I joined or if he came later. He was always one of the friendliest people up there and seemed to get along with everyone. I would guess that I have probably talked to him on the 2 meter repeater hundreds of times over the years. He was one of the most active people on the repeater and he would always answer people when he heard them. I have talked to him many times on Echolink and Echolink thru the repeater including several times quite recently. He will be missed by all that knew him and I will miss hearing him come back to me on the repeater.....

73s Kurty.....Doug, W3HH.....

⇒ Kurt will be missed very greatly; he was always interesting and enjoyable to talk to. One thing I will always remember about Kurt was his knowledge of where the best restaurants were located, especially during Dayton Hamvention time. At our monthly meeting when we had roll call, Kurt always took off his Breezeshooter's hat and acted like he was reading his call sign and name from his hat.

Chuck, N3UUZ

⇒ This past fall (October it was), Kurtie was on the rail fan train trip to Altoona with the XYL and I, along with several other folks from SCARC. He brought along his GPS unit. We all



got a chuckle when it said "make the next left 500 feet" or "make the next right 100 feet". As you are already aware, trains cannot turn at will since they follow a track. Best laugh we had in a long time! Who knew electronic gadgets were smart enough to create humor?

We are going to miss you pal – dit dit dit dah dit dah.

Bob, NU3Q

The Beginner's Help Desk (from page 14)

baud rate, connect the rig, load the software and you are pretty much ready to go. Same thing with the USB connected controllers, except you will not need to worry about baud rates, COM Port number or IRQs or any of that stuff. Depending on which sound card interface you purchase, you will either need to set it up as an additional sound card or as a COM device. The Rigblaster NoMic that I use is set up as a COM device, and the Tigertronics USB interface is configured as a sound card. Either way you go, it is a pretty easy setup process; no rocket science degree is needed to install either type.

Speaking from experience, with the RigBlaster NoMic interface, I simply set up the 'MultiPSK' program to transmit from the specified COM port, and the 'MixW' program up the same way. With the Tigertronics unit, I set up both of these programs to transmit to the soundcard listed as 'USB Audio Codec'. This is what the Tigertronics USB interface calls itself under your soundcard listing in Windows' Control Panel. (Remember: Ye Olde Editor stands ready to assist you in the entire setup process, no matter which way you decide to go.)

⇒ 'Now for the \$64,000.00 question: Which one do I buy?'

That depends on what you wanna do with it. If all you are interested in is RTTY, CW, SSTV, PSK31, Feld-Hell, etc., then a sound card interface is fine. However, if you will be using Packet to send/receive and store messages, and/or want built-in DSP filtering, then a Data Controller like the ones from Timewave are

the way to go. Remember: There are Cadillacs in this world, and there are Yugos. It all depends on what you want, and how much you are willing to spend. Figure on spending about \$300-\$500 for a high quality Data Controller that has built-in DSP filtering & mailbox capability for storing packet messages, and about \$100-\$300 for a sound card interface such as the current offerings from Tigertronics, MFJ, and RigBlaster. Either type will get you on the air digitally with all the modes currently out there.

A side-note about the mode known as CLOVER. This is a propriety mode owned by the HAL Corp. This is an error-correcting mode used on HF for traffic handling, E-Mail and HF Internet gateways. So if you need to send CLOVER, you'll need a HAL Modem. 300 bucks or so.

If you're going to Dayton Hamvention '09, consider doing your shopping there. That way, you can comparison shop and check out all the features before you buy. The big manufacturers such as Timewave and RigBlaster/West Mountain Radio should be there. You'll probably get a nice deal on one, too!

In addition to the hardware, you'll also need software to talk to these things. Speaking from experience I can tell you you'll be spending anywhere between

\$30-\$100 for software, depending on which type of controller/interface you purchase. Some of the manufacturers of the sound interfaces put CDs loaded with free software in with their product to get you started. Remember: In most cases, software will be an additional expense when going digital.

Another thing to consider: What is your existing hardware setup? Do you have a computer with serial ports on it? USB? How many of each? You'll need to factor this in when making your decision. The good thing: You can still purchase serial cards for installation inside your computer if need be. Also, USB hubs are an option if you need expand your USB capability.

I've dealt with Tiger Direct when I've had the need to add cards and such to my computer, and I can recommend them highly. (Nope, I'm not a salesman for them, and I'm not plugging them for free here. I'm just trying to point you in the proper direction in case you need hard-to-find computer add-ons.)

Follow the link to their site: <http://www.tigerdirect.com>

⇒ 'What else can I do with these?'

One of the things Ye Olde Editor does with the FT-847 and NoMic interface is: Remote Base ops via a high-speed internet connection. My current situation has me living in one house, with the
(CONTINUED ON NEXT PAGE)

The Beginner's Help Desk (from page 16)

shack located at another location. Using programs such as 'Ham Radio Deluxe', 'Skype' or 'Windows Messenger' along with 'Symantec PCAnywhere', I can access the rig remotely, and using the NoMic interface, I can transmit SSB, and work all the DX from my home remotely. I can also use the digital modes too, but be advised that there is a lag time that exists between transmit/receive. There is no way around this as it is due to the internet connection. Even though I run FIOS on one end at 5MB, and a 3MB DSL connection on the other, it still has a lag time that would be unacceptable for digital contesting. For rag-chewing it'll work AOK. You might run into a little difficulty with CW though. Sound interesting?? Don't worry; I'll feature Remote Base operation in a future installment of the help desk.

One thing I'd like to bring up at this time: IT IS NOT POSSIBLE TO REMOTE BASE WITH A DATA CONTROLLER, AT LEAST AS FAR AS SSB IS CONCERNED. You can however, run the digital modes this way. Again, I'm leading up to a future installment in the help desk.

⇒ 'OK, gimme a list of Pros and Cons for each type of interface, please.'

Data Controller pros:

- ⇒ DSP Filtering
- ⇒ Built-in mailbox for Packet Message handling (64/128K)

- ⇒ Status lights/LEDs to indicate which mode you are in.
- ⇒ Tuning indicators to help tune in the digital signal.
- ⇒ Some have a 'Threshold' knob to adjust the signal strength of the incoming audio
- ⇒ Ability to interface with computer sound cards, adding to their versatility.

Data Controller cons:

- ⇒ Expensive!
- ⇒ Even though they can be interfaced with audio cards, not all modes can be utilized
- ⇒ Kinda big & bulky sizewise; not a problem if you have room though

Sound Card Interface pros:

- ⇒ Cheap!
- ⇒ Versatility in working all available modes. If it can be used on the Amateur Bands, chances are very good a sound card interface can utilize it.
- ⇒ Small footprint on your desktop.
- ⇒ Easy setup; especially if you have the pre-made cables for your rig type when originally purchased

Sound Card Interface cons:

- ⇒ No mailbox capability for Packet message handling
- ⇒ No status lights or LEDs
- ⇒ No built-in DSP Filtering, although you can use PC-Based

DSP Filtering

OK, there you have it. We've covered some fine software programs to run the digital modes in past installments of the help desk, and we've just covered how to decide which type of interface to invest in, and how to set it up. The rest is up to you! Remember, there's more to life than SSB! Now go out and explore the digital modes if you haven't already! Don't forget: Ye Olde Editor is here to help. Gimme a call if you run into trouble or need help setting up your stuff.

I'll be happy to assist.

That's all folks! Thanks for reading! 73 de NB3C!

(You know, with Dayton coming up, that would be a perfect place to check out all the latest goodies in the digital world. I know that Timewave has a booth in one of the halls, and so does RigBlaster/West Mountain Radio. If you can afford to wait, do your comparison shopping there so you can look all the features over in-person instead of just staring at a magazine ad. You'll also have the ability to ask questions and choose what is right for you. 73, NB3C)

(check out the pictures of some of the different models of Data Controllers and Sound Card Interfaces on [page 19](#))

More news from the national front (from pg 12)

⇒ FCC HAS DONE "LITERALLY NOTHING" TO COMPLY WITH COURT RULING

On February 25 -- 10 months to the day that the US Court of Appeals for the District of Columbia Circuit released its decision on the ARRL's Petition for Review of the FCC's Orders adopting rules governing broadband over power line (BPL) systems <<http://www.arrl.org/news/stories/2008/04/25/10064/?nc=1>> -- ARRL General Counsel, Chris Imlay, W3KD, sent a letter to FCC Acting Chairman Michael Copps, requesting that the Commission "revisit the BPL rules without further delay, and to comply with the obligations placed on it by the Court" <http://www.arrl.org/news/files/Feb2509_Letter_to_Copps.pdf>. In its April 2008 decision, the Court agreed with the ARRL on two major points and remanded the rules to the Commission. According to Imlay, "to date, literally nothing has been done by the Commission to comply with these instructions."

In its 2008 ruling, the Court did not vacate the Commission's 2004 BPL rules. Imlay said that the ARRL did not request the Court do so, as the current Part 15 rules governing BPL, "inadequate though they are, were slightly preferable to the general application of the Part 15 rules to BPL systems in terms of interference prevention." Imlay said that the FCC's "inaction" since the remand has "served neither BPL deployment, nor Amateur Radio, well."

Imlay pointed out to Copps that without such rules protecting the Amateur Radio Service, Amateur Radio operators have no protection from the interference from BPL systems: "While there are configurations of BPL systems which can adequately reduce the probability of interference ex ante and without significant constraints on BPL deployment, the current BPL rules do not mandate the use of these interference prevention mechanisms."

The Court demanded two things from the FCC in its ruling: release the redacted studies that the Commission relied on for its BPL findings, and provide a "reasoned justification" for an extrapolation factor of 40 dB per decade, or adopt another factor and provide a reasoned explanation for it.

Regarding the redacted studies, the Court ordered the Commission to "make available for notice and comment the unredacted 'technical studies and data that it has employed in reaching [its] decisions' [with respect to BPL]...and shall make them part of the rulemaking record." The FCC used five substantially redacted field studies that the Commission's Office of Engineering and Technology (OET) staff conducted of BPL field trials. To date, these unredacted studies have not been released.

The Court also ordered the FCC to "either provide a reasonable justification for retaining an extrapolation factor of 40 dB per decade for access BPL systems sufficient to indicate that it has grappled with the 2005 studies, or adopt another factor and provide a reasoned explanation for it." The 2005 studies refer to those conducted by the Office of Communications, the FCC's counterpart in the United Kingdom.

The ARRL submitted these studies to the Court, along with the League's own analysis showing that an extrapolation factor closer to 20 dB per decade was more appropriate, as part of the record in its petition for reconsideration of the FCC's BPL Order. The Court said that the FCC "summarily dismissed" this data in a manner that "cannot substitute for a reasoned explanation." The Court also noted that the record in the FCC proceeding included a study by the National Telecommunications and Information Administration that "itself casts doubt on the Commission's decision."

The extrapolation factor pertains to the rate at which radiated emissions from power lines carrying access BPL decay with distance from the power lines, and therefore the extent to which the radiated energy from the lines can interfere with licensed radio services, such as Amateur Radio.

Imlay said that since its 2004 rulemaking in Docket 04-37 <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-245A1.pdf>,

(CONTINUED ON NEXT PAGE)

National News (from page 18)

BPL technology has "evolved," and the opportunity now presents itself to craft revised BPL rules that address the "actual interference potential of BPL systems while enabling BPL as a broadband delivery or grid management technology." He reminded Cops that eight months ago, ARRL President Joel Harrison, W5ZN, and ARRL Chief Executive Officer David Sumner, K1ZZ, met with representatives from the FCC's OET with a plan for BPL. "The revised regulations suggested by ARRL would be sufficient to reduce the potential interference to the point that it would be practical to address such instances on a case-by-case basis," Imlay said. "Compliance is achievable with present BPL technology without significant limitation on BPL deployment."

Calling the Commission "long overdue" in complying with the Court's "very clear and specific" instructions, Imlay said that the Commission's inaction "cannot be allowed to continue. It is necessary to commence further proceedings in ET Docket 04-37 after making the requisite disclosures, and we respectfully urge the Commission to do so without further delay."

Imlay reminded Copps that on his inauguration day earlier this year, President Barack Obama placed a series of goals on the White House Web site. "Among these," Imlay said, "was the following: 'Restore Scientific Integrity to the White House: Restore the basic principle that government decisions should be based on the best-available, scientifically valid evidence and not on ideological predispositions.'

The Commission has the opportunity to implement this goal in this Docket proceeding."

From the ‘Beginner’s Help Desk’ article: The top picture is a RigBlaster ‘NoMic’ interface, the middle picture is a SignalLink USB sound interface, and the bottom picture is the AEA/Timewave PK-232DSP (top) and the PK-900 (bottom) Data Controllers.



March 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 <i>CQ WW 160-Meter Contest</i> WASH Sun. Net UBA DX Contest MS QSO Party NA QSO Party NC QSO Party Open Ukraine RTTY Champ.	2 Breezeshooters Net NC QSO Party	3 WACOM 2M Net WACOM 10M Net ARS Spartan Sprint AGCW YL CW Party Skyview Business Meeting	4 <i>SCARC Social Nite</i> Alleg Co. ARES Net	5 SkyView 2M Net	6	7 <i>ARRL International DX Contest-SSB</i> OK QSO Party SOC Marathon Sprint
8 <i>ARRL International DX Contest-SSB</i> WASH Sun. Net OK QSO Party SKCC Weekend Sprintathon UBA Spring Contest WI QSO Party	9 Breezeshooters Net WI QSO Party	10 WACOM 2M Net WACOM 10M Net	11 <i>SCARC Social Nite</i> Alleg Co. ARES Net NHARC Business Meeting	12 SkyView 2M Net WASH Business Meeting	13	14 RSGB Commonwealth Contest-CW EA PSK31 Contest VA QSO Party ID QSO Party
15 WASH Sun. Net RSGB Commonwealth Contest-CW EA PSK31 Contest VA QSO Party ID QSO Party NA Sprint Contest-RTTY	16 Breezeshooters Net VA QSO Party	17 <i>St. Patrick's Day SCARC Business Meeting</i> WACOM 2M Net WACOM 10M Net	18 Alleg Co. ARES Net MOON Contest-All Modes	19 SkyView 2M Net NAQCC Straight Key/Bug Sprint	20 <i>Spring Begins</i>	21 Feld-Hell Club Sprint 10-10 International Mobile QSO Party BARTG HF RTTY Contest DARC HF-SSTV Contest Russian DX Contest
22 WASH Sun. Net BARTG HF RTTY Contest DARC HF-SSTV Contest Russian DX Contest	23 Breezeshooters Net BARTG HF RTTY Contest	24 WACOM 2M Net WACOM 10M Net	25 <i>SCARC Social Nite</i> Alleg Co. ARES Net SKCC Straight Key Sprint	26 SkyView 2M Net	27	28 <i>CQ WW WPX Contest</i> WASH Breakfast
29 <i>CQ WW WPX Contest</i> WASH Sun. Net	30 Breezeshooters Net	31 WACOM 2M Net WACOM 10M Net				

February 2009						
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March 2009						
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April 2009						
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April 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 <i>SCARC Social Nite</i> <i>April Fool's Day</i> <i>Alleg Co. ARES Net</i>	2 <i>SkyView 2M Net</i> <i>WACOM Business Meeting</i>	3	4
			NO DX CONTEST INFO AVAILABLE AS OF PRESS TIME			
5 <i>Daylight Saving Begins</i> <i>Palm Sunday</i> <i>WASH Sun. Net</i>	6 <i>Breezeshooters Net</i>	7 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> <i>Skyview Business Meeting</i>	8 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i> <i>NHARC Business Meeting</i>	9 <i>SkyView 2M Net</i> <i>WASH Business Meting</i>	10 <i>Good Friday</i>	11
NO DX CONTEST INFO AVAILABLE AS OF PRESS TIME						
12 <i>Easter Sunday</i> <i>WASH Sun. Net</i>	13 <i>Breezeshooters Net</i>	14 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i>	15 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i>	16 <i>SkyView 2M Net</i>	17	18
NO DX CONTEST INFO AVAILABLE AS OF PRESS TIME						
19 <i>WASH Sun. Net</i>	20 <i>Breezeshooters Net</i>	21 <i>SCARC Business Meeting</i> <i>WACOM 2M Net</i> <i>WACOM 10M Net</i>	22 <i>Alleg Co. ARES Net</i>	23 <i>SkyView 2M Net</i>	24	25 <i>WASH Breakfast</i>
NO DX CONTEST INFO AVAILABLE AS OF PRESS TIME						
26 <i>WASH Sun. Net</i>	27 <i>Breezeshooters Net</i>	28 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i>	29 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i>	30 <i>SkyView 2M Net</i>		
NO DX CONTEST INFO AVAILABLE AS OF PRESS TIME						

March 2009						
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April 2009						
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May 2009						
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						

Kilo Watt Harmonics

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



**NEXT
MEETING:
8PM
MAR. 17**



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

<www.w3kwh.com>



**CHECK OUT THE 'TRIBUTE TO KURTIE,
KA3LNG' INSIDE THIS ISSUE. AND, IT'S TIME TO
START THINKING ABOUT DAYTON! PAGES 7 & 9**

Steel City Amateur Radio Club
P.O. Box 281
Carnegie, Pennsylvania 15106
Phone 412-787-0777
Editor: Greg Babin, NB3C
<K03DX@hotmail.com>



SCARC DUES RENEWAL FORM FOR THE CALENDAR YEAR 2009

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE NUMBERS:

Day _____ Evening _____

BIRTHDATE _____ LICENSE CLASS _____ Exp _____

EMAIL: _____

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

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

ARRL information is requested to keep our ARRL affiliation current

Membership rates for 2009:

Regular Member : \$50.00

Retired member (Over 65) \$50.00

Additional Family Member \$15.00

DX Member \$15.00

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

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

Walt Adkins KA3YNO, Steel City Amateur Radio Club

476 First Street, Heidelberg, PA 15106 OR

SCARC, P.O. Box 281

Carnegie, PA 15106

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