

JANUARY | 2011 | ISSUE 1

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► SEE WHAT'S GOING
ON IN THE MONTHS OF
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FEBRUARY.

NEXT MEETING: JANUARY 18 @ THE
CLUBHOUSE. MEETING STARTS AT
8:00PM. COME FOR THE
MEETING, STAY FOR THE FINE FOOD
AND FRIENDLY SOCIALIZING
AFTERWARDS.



<www.w3kwh.com>

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

Kilo Watt Harmonics

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

The Ed Sez

Just some random ramblings by
me this month.....

Sorta like 'The Prez' sez col-
umn written by WB3HDI,
except that it's written by
Ye Olde Editor instead.
Hence the name change....

Well, here we are; it's January 2011 already and the flakes are flyin'.....Happy new year to all members.....We've got all kinds of projects going on at once.....Lloyd, KA3MSE is putting together an EMCOMM Committee so we can maintain our Emergency/Relay Station status with the ARRL.....If you're interested in participating, see Lloyd at any Business meeting or social night.....Hamfest season will soon be upon us.....First up is WASHFest 2011.....See the flyer at the end of this newsletter for more info.....Then it'll be the Two Rivers ARC Hamfest on April 3rd.....The VHF Studio remodeling is coming along slowly but surely.....Yeah it's taking longer than expected, but the results will be worth waiting for.....Remember: Short-term pain will equal long-term gain.....The Ten-Hut repeater hut project is temporarily on hold pending the arrival of better weather.....Dues are now due for 2011.....See the renewal form attached as a separate file.....Got some big contests coming up in February and March.....If you wanna see a serious effort mounted for any particular contest, shoot an E-Mail to Bill, K3RYA at the club reflector. He's our club contest coordinator.....You can also send him a card via US Mail to his QRZ.com address.....Every club member has some useful talent that can come in handy at the club.....Whether its helping with upgrades to Ten-Hut, or the studios, or emergency work/traffic handling, helping in contests/Field Day, we can't do it without you! Make a resolution to get active in club activities in 2011.....CU on the hill soon..... And now, onto the newsletter! 73 de NB3C.....

Oops! Sorry About That Broken Link

Just my luck.....Wouldn't you know it.....That link was active for a few years, and as soon as I write about it, it goes away! I'm talkin' about the link in last months "Website Of The Month" article to the Don Miller QSL Card website. This WAS a website that had a whole bunch'a QSL card images from some of his more controversial DXpeditions in the 60s. It must've disappeared within the last few weeks, as I verified the site by going to it as I was writing the article. Oh well, as Maxwell Smart, Secret Agent 86 of CONTROL would say: "Sorry about that, Chief." I promise I'll do better in the future! Thanks for your understanding & forgiveness.....



Deadline for the February newsletter will be February 4. The newsletter will be published on or about February 6.

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KiloWatt Harmonics

January 2011

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Amateur Radio Club

Editor: Greg Babin, NB3C

'KiloWatt Harmonics' is
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2M Repeater: 147.030/147.630MHz (PL 123.0)
70cm Repeater: 444.450/449.450MHz (PL 103.5)
WA3TTS Beacon: 144.300MHz (CW)
WA3TTS Beacon: 50.070MHz (CW) 1/2 w ERP
ATV Repeater: 426.250MHz (Currently off-line.)
1296MHz Beacon: 1296.269MHz (CW) 1W

AND I COULDN'T HAVE PRODUCED
THIS NEWSLETTER WITHOUT THE
HELP OF THESE FINE PEOPLE:
WA3FWA, WB3AGB, KA3MSE,
N3MSE, W3SVJ, KT3L, W3WTW,
W3WN, WB3HDI, ARRL. THANKS
ALL, FOR YOUR EFFORTS.

Business meeting minutes: Dec '10

The meeting was conducted by the President WB3HDI Bob at 8 PM with a Pledge of Allegiance followed by a Moment of Silence for our Silent Keys. 22 members and 2 visitors answered the Roll Call. The Minutes of the November Meeting were accepted as published in the December newsletter. The Treasurer's report was given by the Treasurer KA3YNO Walt and accepted by the membership.

Committee Reports

- ⇒ **Clubhouse** WA3VXJ Karl and K3JHT John cleaned the club and are preparing tonight's feast that KB3GMN Carol and N3SBF Richey brought. Bob HDI said that the VHF room remodeling is coming along with some wall studs are now in place. He also rigged a muffin fan to replace the one broken in the Pepsi machine.



- ⇒ **Contest** Bob HDI reported that 107 QSO's good for 11,000 + points were made on the ARRL 160 meter CW contest and that Karl VXJ worked the ARRL 10 meter contest. Karl looks for ops to participate in the ARRL Straight Key Night on New Years Eve. Richey SBF listed the BreezeShooters PSK 31 contest on Jan 19 and the WASH club's 2-meter contest on Jan. 8 from 7 PM to 11 PM.

- ⇒ **Membership** WA3BKD Art gave the 1st reading for prospective member KB3VHT John.

- ⇒ **Public Service** KA3MSE Lloyd said that SCARC will likely have the Public Service net on Jan. 12. The EM-COMM committee is looking for volunteers. N3EQP John mentioned that several SCARC members were represented at the recent Skywarn event.

- ⇒ **Ways and Means** WA3FWA Joe presented a number of Christmas cards sent to the club and an offer from the Frankfort ARC to donate a complete contest station to a deserving op (details are posted on the bulletin board). There will be prizes donated by Art BKD and Bob HDI instead of a 50/50 raffle and Joe will collect any QSL cards for the ARRL outgoing bureau.

- ⇒ **Volunteer Exams** The recent session was cancelled for lack of applicants.

- ⇒ **PC/Web Site** John EQP inquired on the status of the security cameras. Bob HDI said that W3WTW Tim has been too busy with his job to have time to pursue the project.

- ⇒ **Old Business** Art BKD got approval of a donation for the Soldier and Sailor's brick memorial. The inscription will read; Steel City Amateur Radio Club, W3KWH, Collier Township PA.

- ⇒ **Good of the Order** Bob NU3Q asked if the members saw the article in Suburban Living Magazine, which he posted on the club reflector (yes we did!). Nate SVJ reported that K3RYA Bill is making progress in his rehab. Bob HDI encouraged us to check on members who have not visited the club for some time.

- ⇒ **Motion to Adjourn** by KB3GMN Carol.

- ⇒ **Raffle** Prizes donated by WA3BKD Art were won by KB3NZX Bob, a faux antique table radio and K3JHT John won a set of portable phones. A roll of RG-58 coax donated by WB3HDI Bob was won by WA3FWA Joe.

Minutes submitted by Recording Secretary WA3FWA Joe.

Business Meeting schedule: Next meeting will be on Tuesday, January 18, and the February meeting will be on February 15. 8PM. BE THERE OR BE SQUARE!



ARRL WPA Section news

(THE FOLLOWING IS THE DECEMBER 2010 SECTION NEWS REPORT, WHICH WAS RECEIVED AFTER THE DECEMBER 2010 NEWSLETTER WAS PUBLISHED.)

The holidays are just around the corner and most of us are caught up in the hustle and bustle of the season. With my reelection to Section Manager for the next two years we have plans for many changes to happen in the upcoming months. One area will be the evaluation and restructuring of the ARES program with SEC Larry Keller looking at ways to improve the performance of various groups.

Another area we want to concentrate on is completely revising the Section Emergency Plan. The plan has not been updated in quite a few years and frequency changes as well as modes of operation need to be implemented into the plan. Individuals with input for the plan should contact me, Larry Keller <ab3er@arrl.net> or Bob Bashaw with traffic issues at <w3zeh@arrl.net>. Your input will be greatly appreciated. We would also like to hear concerns or other issues regarding ARES or NTS problems either local or section.



WWW.ARRL.ORG

I am beginning to schedule meetings or other events that clubs would like to have me attend in the upcoming year. Please drop me an e-mail with available dates and I will try to get you on the schedule. We are also planning a couple of meetings during the Breezeshooters hamfest. We plan on getting club presidents together for a discussion on club issues and perhaps come up with a few events to get clubs involved in operating activities. There will also be a meeting for ARES leaders.

I would like to hear from individuals with ideas for more activity on the air and at various events to build interest in our hobby. At most hamfests, everyone is interested in the vendor product and chatting that it is often difficult to discuss such things as a group. Please get in touch with suggestions and we will see what we can do.

With the beginning of the new term of office I will also be restructuring the section staff. Individuals with an interest in any of the field organization appointments should contact me for details. One area of particular need is a public information coordinator. This person would help to get the word out about amateur radio and also about many of the things and services we do and provide.

Any clubs or groups that would like to include event notices or photos on the section pages should forward the info to me at <n3mse@arrl.org>. I will post pictures on the site and post the info in the next month's column. Please give at least a month ahead of the event to allow for the posting.

As always I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep this activity running strong. The section net is on 3983 every evening at approximately 6:00 PM local time. The CW net is at 3585 at 7 PM local time. Also please check in on the Saturday morning ARES net. This net is conducted at 9 AM local on 3983 KHz. Following at 11 am is a NBEMS net on 3583.5. There is also a net on this frequency on Sunday morning at 10 AM. On Tuesday evening a PANBEMS net is conducted at 6 pm also on 3583.5. Please check in for valuable information. Additional information on various NBEMS nets is available at <<http://panbems.org/>> there are also several traffic nets on various VHF-UHF repeaters. Join the nets and lets all get Radio Active.

Wishing each and every one of you a very Merry Christmas as well as a Happy New Year and a Happy Holiday Season.

73
John V. Rodgers, N3MSE
W. Pa. Section Manager

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National news briefs.....

⇒ ARRL SHOWS IBEC BPL SYSTEMS ARE INTERFERING, VIOLATING FCC RULES

Late last month, the ARRL filed a complaint with the FCC, documenting ongoing harmful interference and egregious rules violations by Broadband over Power Lines (BPL) systems installed by IBEC, Inc. in Virginia, Pennsylvania and Indiana. In its filing, the ARRL requested that the FCC "initiate immediately an enforcement proceeding regarding these BPL systems, and cause them to cease operation until such time as they are each in full compliance with the Commission's Rules."

Contrary to earlier representations -- both to the ARRL and in statements in the online BPL database -- IBEC's systems in these locations are not universally notching the amateur bands as is necessary in order to avoid emissions at levels that are likely to cause harmful interference to licensed Amateur Radio stations. In fact, measurements by ARRL staff that were independently confirmed show that IBEC systems are not even notching the aeronautical bands. The FCC rules require BPL systems to avoid these bands, but IBEC is operating at power levels that cause radiation well in excess of the FCC limits.



⇒ FCC CITES RETAILER FOR MARKETING CB RADIOS AS AMATEUR RADIOS

In October 2010, an agent from the FCC's Enforcement Office visited Monroe, Michigan-based Doctor Radio's CB Shop to find that the store was selling, among other items, a radio that was described as "an Amateur Radio that could operate on CB frequencies" that was modified to operate above the approved power limits. As such, the FCC issued a *Citation* to the store on January 4 for marketing unauthorized radio frequency devices in the United States in violation of Section 302(b) of the Communications Act and Section 2.803(a)(1) of the Commission's rules.

⇒ GENERAL MOTORS TURNS TO HAM TO SOLVE ANTENNA PROBLEM

When General Motors -- the world's second largest auto maker -- encountered a problem with the AM/FM antenna on its 2011 Chevrolet Camaro convertible, it was at a loss as to what to do. Spy photographs showed a pre-production version of the car with a long whip-style antenna on its

rear fender. After what GM called "*an outcry among Camaro enthusiasts*," the company decided to rethink the antenna. But how?

On hardtop Camaros, the antenna is integrated into the rear windshield, but given the disappearing nature of this car's roof, that wasn't possible on the convertible. So GM turned to two antenna engineers -- Don Hibbard, W8DBH, and Gregg Kittinger -- who were tasked with doing what some thought was impossible: concealing the AM/FM antenna without sacrificing radio reception, while not putting it inside the Camaro's windows.

Hibbard and Kittinger managed to find a way to bury the AM/FM antenna inside the svelte spoiler perched on the car's rear deck lid. All that is visible is a shark fin antenna (used for satellite radio, OnStar and cellular signals), while the separate whip antenna -- built into the spoiler -- is used to receive AM and FM radio signals. He and Kittinger knew they had to find a way to preserve the vertical polarization of an AM/FM antenna, so they tried a few possibilities before coming up with the idea of placing the half-wavelength horizontal antenna in the spoiler. According to GM, this is a first.

The spoiler AM/FM antenna is an active antenna module that does all its impedance matching and amplification before sending back to the receiver. But when asked about the possibility of an amateur antenna in the spoiler, Hibbard just chuckled. "This antenna just receives, it doesn't transmit," he told the ARRL. "We can get away with a receive-only antenna in the spoiler. I'm not so sure about a ham antenna."

National news briefs are gleaned from various issues of the ARRL Letter and is ©2011, ARRL. Thanks to the ARRL for permission to reprint here.

Hibbard said that the unorthodox placement of the antenna within the body of the vehicle created a number of technical challenges, such as balancing form by preserving the car's styling and maintaining unimpeded audio reception. "Where other automakers have tried and failed, Chevy succeeded," said Hibbard. "We hope to take what we've learned with the Camaro convertible, build on it and apply it to future vehicles."

⇒ US REP GREG WALDEN, W7EQI, TWEETS NEWS OF NEW SUBCOMMITTEE CHAIRMANSHIP

When US Representative Greg Walden, W7EQI (R-OR), learned December 16 that he would be chairing the House Subcommittee on Communications, Technology and the Internet when the 112th Congress convened in January, he let the world know about it by tweeting the news in Morse code. "Just the ham radio operator in me having fun," he posted to his official Web page. The subcommittee has jurisdiction over "interstate and foreign telecommunications including, but not limited to all telecommunication and information transmission by broadcast, radio, wire, microwave, satellite or other mode."

ARRL Chief Executive Officer David Sumner, K1ZZ, was pleased to hear the news: "We're delighted that the subcommittee is in the hands of such a well-qualified chairman. Greg was an early cosponsor of HR2160, and while he may not always be able to agree with every ARRL position, we know his door will always be open to us."

- ⇒ **SRI LANKA, 4S.** Peter, DC0KK is QRV as 4S7KKG until March 13. He is active on the HF bands using mostly RTTY, PSK and WSJT. QSL direct to home call.
- ⇒ **GUATEMALA, TG.** Martin, DL5RMH is QRV as TG9/ home call from Guatemala City until January 13. Activity is on 40 to 10 meters using CW. He is mainly active on 30 meters. QSL to home call.
- ⇒ **MACQUARIE ISLAND, VK0.** Kevin is QRV as VK0KEV and is here until April 30. Of late he has been active on 15 meters using RTTY around 2230z. QSL via JE1LET.
- ⇒ **CHAGOS ISLAND, VQ9.** Larry, N0QM is QRV as VQ9LA and is here until January 24. He has been active using RTTY on 30 and 20 meters around 0130z. QSL to home call.
- ⇒ **OPERATIONS APPROVED FOR DXCC CREDIT.** The following operations are approved for DXCC credit: Temotu Province, H40HP, 2009 operation and Saudi Arabia, 7Z1HB, 2007 to present. If you had any of these operations rejected in recent applications, send an email to <dxcc@arrrl.org> to have your record updated.
- ⇒ **ANGOLA, S2.** Craig is QRV as D2SG and has been active on 12 meters around 1500z. QSL via GM4FDM.
- ⇒ **PHILIPPINES, DU.** Hans, DL5SDF is now QRV with his new call sign 4F9HXB from Mindanao, IOTA OC-130. He is generally active on 160 to 20 meters using CW. QSL to home call.
- ⇒ **ICELAND, TF.** Thor, TF4M has been QRV on 80 meters between 1100 and 1200z. QSL to home call.



- ⇒ **PERU, OA.** Martijn, PA3GFE will be QRV as OA4/ homecall beginning December 28 for one month. Activity will be holiday style on 40 to 15 meters, and possibly 80 meters, using mainly CW and digital modes. QSL to home call.
- ⇒ **SUDAN, ST.** Robert, ST2AR has been QRV on 30 meters around 1900z. QSL via S53R.

- ⇒ **DEMOCRATIC REPUBLIC OF THE CONGO, 9Q.** Barney, ZS6TQ is QRV as 9Q0HQ/6 until January 11. Activity is on 40, 20, 15, 10 and 6 meters using CW, SSB and PSK31 during his weekends and most days after 1800z. QSL via K3IRV.
- ⇒ **OMAN, A4.** Chris, A45XR is active most days on 80 meters using CW between 2000 and 0300z. QSL direct.
- ⇒ **HUNGARY, HA.** A group of operators from Janoshalma will be QRV using special call sign HG200LST from January 1 to December 31 in celebration of the 200th anniversary of the birth of composer Franz Liszt. QSL via HA5GY.
- ⇒ **REPUBLIC OF KOREA, HL.** Choi, HL5FUA is usually QRV on 40 meters using SSB around 2200 to 2300z. QSL direct.
- ⇒ **BRAZIL, PY.** Special event station PS150PLM will be QRV from January 1 to 30 in celebration of the 150th anniversary of the birth of Brazilian scientist, inventor and radio pioneer, Roberto Landell de Moura. Activity will be on 40, 20, 15 and 10 meters using CW and SSB. QSL via bureau.
- ⇒ **ANTARCTICA.** Alex, RD1AV is QRV as RI1ANC from the Vostok Antarctic Station for 2011. Activity is on all bands using CW, SSB and various digital modes. QSL via RN1ON.
- ⇒ **CHAGOS, VQ9.** Larry, VQ9LA is QRV from Diego Garcia, IOTA AF-006, until January 24. He has been active using RTTY on various HF bands. QSL via N0QM.
- ⇒ **NEW ZEALAND, ZL.** Members of the Papakura Radio Club will be QRV as ZL50VK from January 1 to March 31 to celebrate the club's 50th anniversary. QSL via ZL1VK.

News from the DX world is gleaned from various issues of the ARRL DX Bulletin and is ©2010-2011, ARRL. Thanks to the ARRL for permission to reprint here.

- ⇒ **SPRATLY ISLANDS.** A large group of operators will soon be QRV as DX0DX from Thitu Island, IOTA AS-051. They will be active until February 1. Activity will be on 160 to 6 meters, and possibly 2 meters, 70 and 23 cm, with ten stations active simultaneously using CW, SSB, RTTY and PSK31. They may also try some EME. QSL via N200.
- ⇒ **RODRIGUEZ ISLAND, 3B9.** Jacques, F6HMJ will be QRV as 3B9/ home call from January 11 to 20. Activity will be on all HF bands using CW, SSB and possibly RTTY. QSL to home call.
- ⇒ **SENEGAL, 6W.** Francis, F6BLP will be QRV as 6W7SK from Saly Portudal from January 8 to 21. Activity will be on 40, 30, 20 and 17 meters using mostly CW. QSL via F6BLP.
- ⇒ **MALDIVES, 8Q.** Andrew, G7COD is QRV as 8Q7AK from Adaaran Hudhuranfushi in the North Male Atoll, IOTA AS-013, until January 16. Activity is on 80 to 10 meters using CW and SSB in his spare time. QSL to home call.
- ⇒ **UNITED ARAB EMIRATES, A6.** Gerry, VE6LB will be QRV as A6/ home call from Dubai from January 12 to February 9. Activity is part time and holiday style on 40 to 10 meters using CW and some digital modes. QSL to home call.

(MORE DX NEWS CONTINUED ON PAGE 12)

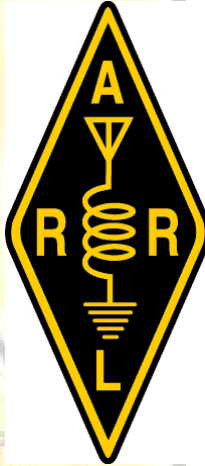
The beginners Help Desk

A (semi) frequent where I try to highlight topics I hope that you, my faithful readers will find useful and informative (especially you new ops/members out there). **YE OLDE EDITOR'S DISCLAIMER:** Although I am a member of the ARRL, I AM NOT AN EMPLOYEE, AND AM NOT OFFICIALLY REPRESENTING THEM HERE IN ANY WAY. I am simply trying to illustrate who & what the ARRL is and the role they play in amateur radio today. **The opinions expressed here are my own and are not representative of the ARRL, its members or directors, nor SCARCs.** 73 de NB3C.

My topic today: The ARRL: Who are they and what is it that they do?

The ARRL (American Radio Relay League) was founded in 1914 by Hiram Percy Maxim. Not only was HPM an avid amateur, but was quite famous in his own right as an inventor, having invented the 'Maxim Silencer', which was a suppressor designed for firearms, as well as a muffler for gas engines. Pretty smart guy, as he graduated from MIT when he was 16! (For more info on this interesting gent, check out the Wikipedia link here: [<http://en.wikipedia.org/wiki/Hiram_Percy_Maxim#cite_note-nytohit-2>](http://en.wikipedia.org/wiki/Hiram_Percy_Maxim#cite_note-nytohit-2))

In 1914, HPM recognized the need for a society to bring together hams across the country and band them together to promote their common goals, and so he founded the ARRL to meet the needs of this enthusiastic group.



The ARRL is headquartered in Newington CT, a suburb of Hartford, and has about 120 employees serving the needs of US amateurs daily. The ARRL is also the International Secretariat of the International Amateur Radio Union, which is comprised of about 150 sister societies from countries around the world. The IARU will represent us at the

World Radio Conferences, held every few years in various locations around the world. Think of the IARU as the international version of the ARRL representing our interests on a global basis.

⇒ OK, so who exactly are they & what do they do?

Well, think of the ARRL as the AARP for hams. Retired people have the AARP, car drivers have AAA, & professional broadcasters have the NAB. Out of all the things the ARRL is, probably the most important thing is that the ARRL is our representative in Washington when it comes to legislative matters. So when the FCC gets a

dumb idea to take frequencies away from us, or somebody petitions to use our UHF frequencies for something non-amateur radio-related, you can be sure the ARRL is there fighting for us.

Not only that, but the ARRL is constantly on-guard, watching our frequencies, helping to keep them clear of intruders, such as short-wave broadcasters, who sometimes encroach on our bands. Thru diplomatic efforts with their sister societies in other countries, the ARRL can help to keep our frequencies clear for our use. They can even go to bat for issues concerning hams in their respective state, such as antenna restrictions and fighting laws & zoning ordinances enacted at a state level that prohibit us from putting up towers & antennas.

Another important function of the ARRL: Thru their RFI lab, they can help you identify RFI issues and help solve them. (They have already helped me out.) So if you are having issues locally, the ARRL can help you identify & solve them, so you can remain a good neighbor and reduce or eliminate any interference issues you may be having with your neighbors.

⇒ What else do they do?

Besides sponsoring many contests on the HF and VHF/UHF bands throughout the year, they are the keepers of the DXCC program, which is the premiere program designed to promote DX'ing around the world. The DXCC (DX Century Club) award is given to amateurs around the world who provide proof of QSOs with at least 100 different countries. Amateurs from all over the world participate in the DXCC program, along with LoTW (Logbook of the world). LoTW is simply a giant on-line logbook, where hams from all over the world submit their logs, and the QSOs can be harvested and used for credit in the DXCC and WAS (Worked All States) programs.

ARRL Field Day is an annual event they sponsor, where we can test our preparedness to deploy our services in case of emergency or disaster. In addition to contesting and DX, emergency communications and traffic handling are a big part of their mission.

They also publish the monthly journal "QST". QST is where you can keep up on events and news happening around the world, and local news too, such as hamfests, special event station announcements, along with technical articles, and DX news. Add to that these services such as VE testing, RACES, & ARES, & you can see the ARRL provides a much needed service to amateurs in the USA.

They have representatives in every part of the US too. Thru their field organization, they have reps (such as our Section Manager, John Rodgers, N3MSE), who assist in local matters, especially emergency communications and traffic handling, as well as interacting with clubs, visiting with them, and providing support to all the hams in their section on different matters whether technical or operation-oriented, such as the Official Observer program. Thru the OO program, they can identify problems on the air locally, whether it is interference or just an operator exhibiting poor habits (good ones too), and bring them to the respective parties attention and correct (or compliment) them.

So, whether it's local or national, the ARRL is there representing & protecting our interests.

A lot of people complain that the ARRL is nothing more than a book club with a paid mailing list. There's so much more to it than that. Without the ARRL representing us,

(CONTINUED ON PAGE 9)

My eyes are playin' tricks on me, dude!

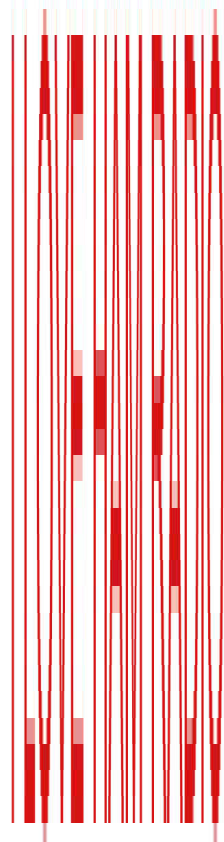


Just a little something different to break up the monotony of the newsletter; you know, something to keep it from becoming the same old boring schtick.....

ABOVE: Got one of them there fancy smart-phones with a QR code reader program installed on it? Scan the image above to read my secret message to all SCARC members.....(Google 'QR Code Reader' if you don't.)

BELOW: Another secret message. To read this one, close one eye & hold the paper horizontally with the bottom edge closest to your eye. (You'll need to print the page to see this one, unless you can hold your monitor horizontally up to your eye, HA HA.)

Now, this here is what you call a 'Stereogram'. Imbedded in this mess, believe it or not is an image. To read it, concentrate on the center of the image & relax. Next, let your eyes go out of focus. Eventually you'll see a 3D image appear. It takes a little time & practice though for it to appear, so don't get frustrated. I'm not gonna tell you what it is but I'll give you a hint: It has something to do with the club.....



we would be in pretty sad shape, if not non-existent. In today's day & age, what with all the band threats that constantly face us from cell-phone providers, BPL, businesses who are looking to expand into our frequencies, we need the ARRL as our voice in Washington to fight these threats. The ARRL recently fought the FCC on BPL and forced them thru the court system to adhere to their own set standards when it comes to determining if BPL systems are indeed causing interference to the licensed services in the RF spectrum, as the FCC was kinda looking the other way when licensing BPL systems. So, the ARRL is definitely

The beginners Help Desk (from page 7)

effective when it comes to defending our interests in Washington. For those of you not familiar with BPL (Broadband Over Power Lines), this is/was a system designed to bring high-speed internet access via power lines to residential areas not being served. It was notorious for wiping out huge chunks of the HF spectrum, rendering it (part of our bands, too) totally useless. Luckily, technology seems to be passing BPL by, but make no mistake, the ARRL was very loud and vocal when it came to defending our spectrum from the BPL polluters, successfully, I might add.



I believe there are about 690,000 licensed amateurs in the USA. Of that about 200,000 are members of the ARRL. The more members, the louder our voice is in Washington, & the better our clout is too. You know, if just one person lobbies one of them there politician-type clowns in Washington, you're not gonna get too far, but when you represent 200,000 or 300,000 or 600,000, YOU'RE GONNA BE HEARD LOUD & CLEAR So if you're not a member, consider joining. For 39 bucks a year, you get much much more than just a magazine in the mail. BTW: Did you know that SCARC is an ARRL-affiliated club? Remember, united we stand, divided we fall.....

REMEMBER: IT'S NOT MY INTENTION TO SOLICIT MEMBERSHIP FOR THE ARRL. I AM NOT A SALESMAN FOR THEM, NOR AM I AN EMPLOYEE. MY INTENT HERE IS TO ILLUSTRATE TO THE NEWER MEMBERS/OPS IN THE CLUB WHAT THE ARRL IS, AND WHAT THEY STAND FOR.

For more info on the ARRL, check out their website: <www.arrl.org> Thanks for reading along! 73 de NB3C.

REFERENCES: Wikipedia, ARRL website.

Hamfest season will soon be upon us. First up, the 2011 WASHFest, sponsored by the Wireless Association of South Hills. Mark it down in your calendar: February 27 at the Castle Shannon Fire Hall on Route 88. **See the flyer enclosed** at the end of the newsletter for all the details.

As I mentioned at the business meeting on 12/21, we are forming an Emergency Communications Committee. This committee will be responsible for planning and directing our activities as to how we fulfill Steel City's obligations under our designations as Official Emergency Station and Official Relay Station and any other EmComm activities that the club sees fit to pursue. If you are interested in participating, please let me know. We should plan on meeting shortly after the new year.

73, Lloyd KA3MSE

See the ARRL article where W3KWH took 7th place overall in the Multi-op category and 3rd in the Northeast Region in Multi-op !

CLICK [HERE](#) TO SEE THE COMPLETE ARTICLE/RESULTS

Congrats to all who participated!
73 de W3WTW - Tim

It's that time again! 2011 dues are due. I've enclosed the renewal form as a separate .pdf form for you to print and send. Dues remain the same: 50 bucks folks, just 1/2 of a C-note folks, just 5 sawbucks, folks. They're due by April. Remember: Early payment helps the club to plan activities and upgrades. Thanks!

LAST CALL FOR HAMVENTION ROOMING ACCOMMODATIONS! As I mentioned last month, I still have a room available for Hamvention 2011. This room can hold six and is booked for Fri-Sat-Sun May 20-22.

COST PER PERSON IF 6 ARE BOOKED: \$48.50 FOR THE ENTIRE WEEKEND. SEE THE DEC. NEWSLETTER FOR MORE INFO OR E-MAIL ME: <KQ3DX@hotmail.com>.

IF NO TAKERS BY JAN. 31, I TURN IT BACK IN SO SOMEONE ELSE CAN GET IT!

"Do you have any idea what it's like to be cooped up in a rotten egg for six thousand years? It's boring! Not to mention I've had a Charlie horse since the Renaissance. Oh, the things that I have missed. The black plague! The Spanish inquisition! The Brady Bunch reunion!" -- Ivan Ooze in "The Power Rangers Movie".

Ah, one of my fondest memories of parenting two young boys growing up in the '90's...the Power Rangers. Well, not really. I was not the least bit entertained watching these supereroes on the boob tube, but hey, the kids enjoyed the martial arts action, the bad acting, the sparks and explosions, and it kept them spellbound while Dad attended to more pressing issues.

But the dialog of the villainous Ivan Ooze humorously illustrates where I am with Amateur Radio. Having pretty much sidelined the hobby in the wake of career changes, employer changes, kids, sports, scouts, and driving lessons, I sure did miss a lot. Now it's time to get caught up.

Oh, the things that I have missed. PSK! EchoLink! No-code licensing! It is truly amazing how much has happened in the last 15 or so years. Many of these technologies are tied to the Internet or at least to that ever-present commodity, the personal computer, that permeates every facet of our lives. It's great to see so many neat convergences of technology.

First off, OSCARs have been around for a long time, even during my first go-around as an active ham. For whatever reason I never had the urge to pursue satellite communications. But now, dual-band rigs capable of crossband operation can be had for less than US\$200. A gain antenna on a 5-watt handheld, positioned broadside to the bird, supposedly will get you enough signal to work that big FM repeater in the sky, AO-51. In my case, I splurged on an Arrow hand-held double yagi which works great. What a thrill to hear that bird come up over the horizon and hear your own call coming back from five-land or VE-land. Do some of you remember the DOS software you used to have to buy or borrow to calculate satellite passes? Go to www.amsat.org/amsat-new/tools/predict, type in your grid square and all will be revealed, painlessly.

Next is my new favorite HF mode, PSK-31. If you had told me that there would be a mode with a bandwidth that rivaled CW, with the efficiency to work the world regularly with a few watts, where you could accommodate everyone in a few kilohertz of spectrum, I'd have said you've been sniffing too much flux. But PSK-31 is all that and less. It's like RTTY on a diet. It'll give you reliable copy even in QSB to the point that you'll scratch your head in disbelief as the screen keeps printing while you can barely hear the signal and barely see its trace on your screen. Freely available PSK software detects the audio wave phase changes upon which this mode is based, better than our ears, evidently. Buy or build an interface for your HF rig that will exploit that ubiquitous sound card in your PC, and you are ready to communicate.

EchoLink. You don't need a radio to talk on the radio. How cool is that? Voice over Internet Protocol (VoIP) has touched our lives in ways we don't even realize, like every time we pick up the phone to talk to some corporation's outsourced customer service, I suppose. But connecting our repeaters, users, and other resources to the big 'net, essentially becoming our own world-wide voice network is maybe the coolest technology development of the last 15 years.

Some recent enhancements leave me with a confused look on my face (also known as "the Ohio look"). I understand the rationale behind "Logbook of the World" and "eQSL" but I don't quite understand the benefits. These are supposed to replace that nice thick envelope from the incoming QSL bureau? These electronic methods of confirmation will get you your certificates sooner, I suppose. I guess that's a good thing, in this time of instant gratification. It will also allow you to do complex searches like, "what hams did I work on 80 meters last March that have an H in their call?" Meh. I'd rather take a leisurely look through my paper log book.

If you're expecting me to add no-code licensing to the list of things I can do without, I'm going to disappoint you. I think this should have been done a decade earlier. But I think it is a positive step that we now attract the kind of technical people we need to move the hobby forward without the added pressure of a limited-value code test. Some of them gravitate to CW anyway, out of curiosity or because of code's legacy stature within the hobby. I say let them continue to explore in their own way, find their niche(s), and contribute to this ever-changing hobby as their talents lead them.

Anyway, you'll forgive me my gee-whiz optimism at finding all this "new" stuff since I've returned from self-imposed exile. There's a lot more to discover but those are among the highlights of my return to active hamming thus far. Next stop: don't know yet, but I know it'll be interesting.

Happy New Year to all & 73, Doc, KT3L





Dave,
AA3EE

Nate,
W3SVJ

*A relic
returned....*

At the SCARC "End of Year" meeting a bit of memorabilia changed hands. Dave, AA3EE, returns an ancient Radio Shack TRS-80, Model 100 computer. I didn't even remember owning one of these beauties! In the club's web site, pictures, there is a photo of Doug, W3HH, with one of these machines operating RTTY. I think it was RTTY! Here are some of the highlights from the first page of the 224 page, spiral bound manual "Features" list.



This is a 1983 computer; I don't think they were using the term PC yet, at least not in the Radio Shack manual. includes five "built-in" Application programs: TEXT, TELCOM, SCHEDL, ADDRSS and BASIC that lets you write your own BASIC programs easily and quickly. It comes out of the box with a gigantic 8k ram and an up grade is available to 24k of ram, no HARD DRIVE! It also comes with"it's own built- in modem for computer-to-computer communications over the telephone (pre Al Gore internet) as well as an RS-232C Interface, the most universal standard for linking



computer equipment. Another option is a tape recorder for program or data storage. It has a port for parallel daisy wheel or dot-matrix printers. You've come a LONG way Baby! When last used, many years ago, David said he had a timer/alarm program running for his photographic dark room work.

Does anybody need a RELIC? No, NOT me, the Model 100! Happy New Year all, 73 de W3SVJ.

Recently I posted a request on the SCARC mail reflector for volunteers to serve on the EmComm Committee. Response has been good and we should be scheduling a meeting after our next business meeting. I felt that it would be appropriate to have multiple perspectives before making decisions regarding EmComm instead of just one person's.



One of the issues that the Emcomm Committee must deal with is how we will fulfill our obligations under the Official Emergency Station (OES) and Official Relay Station (ORS) certifications. I am researching as to how other clubs operate as OES's and ORS's.



In another issue, Mike WA3PYU has offered to register us with Pennsylvania Emergency Management Agency (PEMA) Auxiliary Communication Service (ACS). ACS is an extension of RACES that allows emergency management agencies to reach out beyond Amateur Radio to other services such as MARS, REACT, FRS, etc.

Mike says that we will not assume any obligation to operate. There are two drills each year that we should participate in, but even then, we would not be required to participate. Most of the traffic that we would handle would be tactical and not formal. He doesn't think that ACS participation would conflict with our obligation to ARES or NTS.

I asked him to present his proposal to the membership at the next meeting. I'm concerned as to what other members think about assuming additional obligations. Once the EmComm Committee becomes active we will need to find volunteers to operate in the various modes and frequencies at SCARC. We will be making reports and suggestions to the members as the situation requires.

DX News (from page 6)

- ⇒ **ANGOLA, D2.** Laci, OM5AM is QRV as D2AM from Luanda until March 17. Activity is on the HF bands using mostly SSB with RTTY. QSL to home call.
- ⇒ **REUNION ISLAND, FR.** Frederic, FR8NE is QRV until July 2012. Activity is on 20 to 10 meters using mostly CW. QSL direct.
- ⇒ **ENGLAND, G.** Special event station GB65ISWL is QRV throughout 2011 in celebration of 65 years of service to both licensed amateurs and short wave listeners. The station will be active from various locations. QSL via G6XOU.
- ⇒ **SOLOMON ISLANDS, H4.** Shane, VK4KHZ is QRV as H44DA from Guadalcanal Island, IOTA OC-047, until January 16. He is active holiday style on the HF bands, but preferably on 6 meters. QSL to home call.
- ⇒ **ITALY, I.** Special event station IO7DAI is QRV until March 31 from the Abbeys of Lecce and Province. Activity is on the HF bands. QSL via IK7JWX.
- ⇒ **DOMINICA, J7.** Seth, SM0XBI is QRV as J79XBI until March 17. Activity is on the HF bands using SSB. QSL via operator's instructions.
- ⇒ **SOUTH SHETLAND ISLANDS.** Diego, LU8DIP is QRV as LU1ZS from the Antarctic Base Teniente Camara on Half Moon Island, IOTA AN-010, until mid-March. Activity of late has been on 40 and 20 meters using SSB. QSL via LU4DXU.
- ⇒ **ARUBA, P4.** Marty, W2CG will be QRV as P40CG from various locations from January 10 to 24. Activity will be on 80 to 10 meters using mostly CW with some SSB during his morning and early evening hours. QSL to home call.
- ⇒ **BELIZE, V3.** Joe, DJ1JB and Max, DJ4EL will be QRV as V31ML and V31ME, respectively, from various locations from January 10 to 26. Activity will be on all HF bands using SSB. QSL to home calls.
- ⇒ **NORFOLK ISLAND, VK9N.** Operators Alan, VK3XPD, Kevin, VK4UH and Mike, VK3KH are QRV as VK9NA until January 21. They are active on 6 meters to 10 GHz using CW, SSB and WSJT. QSL via VK3KH.



Christmas 2010, SCARC style.....



From the "KITCHEN of SCARC."
Our year end meeting and HOLIDAY buffet. Smiles and "Thank You" from the folks attending. Gratitude to our "in house" preparers and the kind people that brought goodies from their kitchens to share with us. And a good time was had by all.



(CONTINUED ON PAGE 15)

⇒ SHOPPING WITH BOB OR HOW TO END A DAY THAT STARTED WITH A VISIT TO THE CARDIOLOGIST. (By Joe Fenn, WB3AGB)

Tuesday December 21, Winter and a morning routine trip to the Cardiologist and a trip to Ritters' for lunch; not a bad start. The rest of the day's all mine so let's head up Mt. SCARC for an early start; 2:30 or so for the meeting, maybe clean or move chairs. After all most meeting nights days are spent at work and can't help but now I can. Karl WA3VXJ is already on site and cleaning...wow; all those poor broken copiers, hi hi. Shoot the breeze and discuss the menu for the meeting and here comes Bob Mr. WB3HDI; all kneel. MORE discussions on the VHF room and food.....around 5 or so jump onto mystery stuff in Bob's truck and it's off to Home Depot for stop one....Insulation, brackets, screws, etc, etc, etc. Check out was memorable for the gal checking us out, but that's another story. Then onto the food place...time now about 6...meeting at 8 and traffic is nightmarish, oh yea, Christmas this weekend...yikes what a mess. Of course they were out of everything we had planned for dinner so now it's time to innovate something....I found Prime Rib and Lobster but that was rapidly unloaded from the cart....We did locate a nice ham (food type) and I said I could make a glaze out of fruit cocktail juice and brown sugar....the brown sugar was not at the clubhouse but at Bob's house....no problem, lots of time.....eeeeeyea! Found other goodies, chicken wings...potato soup, milk for said soup and cobbler or something like that...plus some paper products etc. Through the check out and still lots of time...oh yea! Now it's around 7:15 and we are stuck in traffic...Bob calls Bob and asks him to bring up the Bog pan and some brown sugar....and a razor....don't ask! Some really fantastic driving and Bob has us at SCARC around 7:30....we unload...folks are gathering and I put myself in the kitchen with Karl and John and start prepping the feast. Lots of goodies have arrived since we left so decide not to do the soup but the ham goes into the oven and here is Junior with the brown sugar and who-la....glaze!! I just stay put in the kitchen and baste the ham and help John and Karl. If you were there,,,yeah we dragged the meeting to warm the wings and ham and other hot stuff...and a special thanks to Eva, XYL of John KB3VHT for some real good meatballs and rolls. At the time of the food stampede every one seemed to enjoy the eats and Carol KB3GMN the wine! Well, Greg needed stuff for the newsletter and a little behind the scene look at meeting night might fill that bill. Finally I had a great day topped off with a great group, food and memories. 73 es cu in the new year. de Joe/WB3AGB AR SK

Work Them Satellites

At the December Business Meeting, a couple of members were interested in my satellite setup (FT817ND with Arrow double-yagi hand-held antenna).

Here is audio from the December 22 morning pass of AO-51 in which I worked a few early-bird stations on the satellite.

Open this link in Media Player or some other player that displays the elapsed time. Then you can skip ahead and not listen to white noise.

< http://www.papays.com/sat/AO-51_22Dec2010_105139z.mp3 >

02:56 I announce my call
03:20 I work KC0BMF
08:20 I work N5HYP
09:25 I work KJ4MCZ

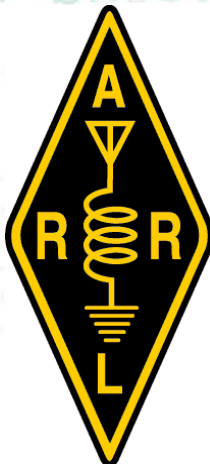
73 & HNY de Doc KT3L



Listen to this'n.....

If she wants a date: Meter
If she wants to call: Receiver
If she wants an escort: Conductor
If she wants to be an angel: Transformer
If you think she's going out with others: Detector
If she eats too much: Reducer
If she's wrong: Rectifier
If she's cold: Heater
If she wants a vacation: Transmitter
If she talks too much: Interrupter
If she's narrow in her views: Amplifier
If she has wrong ideas: Corrector
If she flirts: Eliminator

(FROM THE JANUARY 1942 ((I THINK))
SCARC NEWSLETTER)



Do you contest?

Did you know: We have a club Contest Coordinator! Bill, K3RYA has stepped up and volunteered to be the SCARC Contest Coordinator. So, if you'd like to participate in a contest or have a contest in mind that you'd like to see worked from the club, shoot an E-Mail to Bill via the club reflector. Or, if you prefer, you can send him a postcard at his CallBook / QRZ.com address. NO EXPERIENCE NECESSARY! COME ON OUT AND HONE YOUR OPERATING SKILLS. ALL ARE WELCOME.

Christmas 2010, SCARC Style

(from page 13)

KiloWatt Harmonics, January 2011
Page 15 (click for Table of Contents)



A most beautiful dessert was furnished (via FEDEX) by our pal and DX member, Ralf, DL4ZAA. A great way to top off the evening with a box of candies and baked goods from the great cooks in Germany. Thank you Ralf and a most Happy New Year to you and yours.
73 de W3SVJ



KiloWatt
Harmonics

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

January 2011

The Steel City ARC January Contest/Event Planner

February 2011
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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 <i>New Years Day</i> SARTG New Year RTTY AGCW Happy New Year Test ARRL Straight Key Nite
2 WASH 2M Net	3 Breezeshooters Net GPVHF Business Meeting	4 WACOM 10M Net WACOM 2M Net 222 Tuesday Skyview Business Meeting	5 SCARC Social Nite Alleg Co. ARES Net NHARC Business Meeting QRP Fox Hunt	6 SkyView 2M Net WACOM Business Meeting	7 QRP Fox Hunt NCCC Sprint Ladder	8 ARRL RTTY Roundup NA QSO CW (also 1/9) EUCW 160M (also 1/9) Mid-Winter Test CW MI QRP CW (also 1/9)
9 WASH 2M Net DARC 10M Test NRAU Baltic Test CW/SSB Mid-Winter Test SSB ARRL RTTY Roundup	10 Breezeshooters Net	11 WACOM 10M Net WACOM 2M Net 222 Tuesday	12 SCARC Social Nite Alleg Co. ARES Net QRP Fox Hunt	13 SkyView 2M Net WASH Business Meeting	14 NCCC Sprint Ladder QRP Fox Hunt	15 NA QSO Party SSB Hungarian DX Test LZ Open Contest
16 WASH 2M Net NA QSO Party SSB Hungarian DX Test	17 <i>Martin Luther King Day</i> Breezeshooters Net	18 SCARC Business Meeting WACOM 10M Net WACOM 2M Net 222 Tuesday	19 Alleg Co. ARES Net QRP Fox Hunt	20 SkyView 2M Net	21 NCCC Sprint Ladder QRP Fox Hunt	22 BARTG RTTY Sprint
23 BARTG RTTY Sprint WASH 2M Net	24 Breezeshooters Net	25 WACOM 10M Net WACOM 2M Net 222 Tuesday	26 SCARC Social Nite Alleg Co. ARES Net QRP Fox Hunt	27 SkyView 2M Net	28 CQWW 160M Test CW NCCC Sprint Ladder QRP Fox Hunt	29 CQWW 160M Test CW WASH Breakfast REF CW Test UBA DX Test SSB
30 CQWW 160M Test CW REF CW Test UBA DX Test SSB WASH 2M Net	31 Breezeshooters Net					

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

January 2011
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

February 2011

The Steel City ARC February Contest/Event Planner

March 2011
S M T W T F S
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 WACOM 10M Net WACOM 2M Net 222 Tuesday Skyview Business Meeting	2 <i>SCARC Social Nite</i> Alleg Co. ARES Net NHARC Business Meeting QRP Fox Hunt	3 WACOM Business Meeting	4 QRP Fox Hunt NCCC Sprint Ladder	5 VT QSO Party 10-10 Int'l Winter SSB Test MN QSO Party DE QSO Party Mexico RTTY Test YL-ISSB CW QSP Party AGCW Straight Key Party
6 WASH 2M Net VT QSO Party 10-10 Int'l Winter SSB Test DE QSO Party Mexico RTTY Test NA Sprint CW YL-ISSB CW QSO Party	7 Breezeshooters Net GPVHF Business Meeting DE QSO Party	8 WACOM 2M Net WACOM 10M Net 222 Tuesday ARS Spartan Sprint	9 <i>SCARC Social Nite</i> Alleg Co ARES Net QRP Fox Hunt NAQCC Straight Key/Bug Sprint CWops Mini-CWT Test	10 WASH Business Meeting CWops Mini-CWT Test	11 QRP Fox Hunt NCCC Sprint Ladder PODXS 070 Valentine Sprint (also 2-12)	12 <i>CQWW DX RTTY Test</i> SARL Field Day Test Asia-Pacific Spring Sprint CW Dutch PACC Test FISTS Winter Sprint
13 <i>CQWW DX RTTY Test</i> WASH 2M Net SARL Field Day Test Dutch PACC Test NA SSB Sprint Classic Exchange SSB	14 Breezeshooters Net Classic Exchange SSB	15 <i>SCARC Business Meeting</i> WACOM 2M Net WACOM 10M Net 222 Tuesday	16 Alleg Co ARES Net QRP Fox Hunt AGCW Semi-Auto Key Evening	17	18 QRP Fox Hunt NCCC Sprint Ladder	19 <i>ARRL Int'l DX CW Test</i> Feld-Hell Sprint AWA AM QSO Party
ARRL School Roundup						
20 <i>ARRL Int'l DX CW Test</i> WASH 2M Net AWA AM QSO Party	21 Breezeshooters Net	22 WACOM 2M Net WACOM 10M Net 222 Tuesday	23 <i>SCARC Social Nite</i> Alleg Co ARES Net QRP Fox Hunt	24	25 <i>CQ 160M SSB Test</i> QRP Fox Hunt NCCC Sprint Ladder	26 <i>CQ 160M SSB Test</i> WASH Breakfast NA QSO Party RTTY REF SSB Test UBA DX Test CW WASH Breakfast
27 <i>CQ 160M SSB Test</i> <i>WASHFest 2011</i> WASH 2M Net NA QSO Party RTTY Hi Speed Club CW Test REF SSB Test UBA DX Test CW	28 Breezeshooters Net CQC Winter QSO Sprint					

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



WASHfest 2011

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

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

Sunday, February 27th, 2011

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 to WPa Card Checker Art Lund NQ3A

ARRL Atlantic Division Director Bill Edgar N3LLR
ARRL WPa Section Manager John Rodgers N3MSE

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

Admission Still Only \$5!

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

1st Prize: Ameritron AL-811H 800W HF Amplifier

2nd Prize: ICOM IC-92AD D-Star Dual Band HT

3rd Prize: MFJ-269-PRO HF/VHF/UHF Antenna Analyzer

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

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

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

Please Note: Early Table
Reservations must be paid in full
on or before January 31st, 2011.
Reservations received after
February 1st, 2011 must include
payment in full.
Reserve now... we have sold out
in advance two years running!

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: _____ Email: _____

Address: _____ Phone: () _____ - _____

City: _____ State: _____ Zip: _____

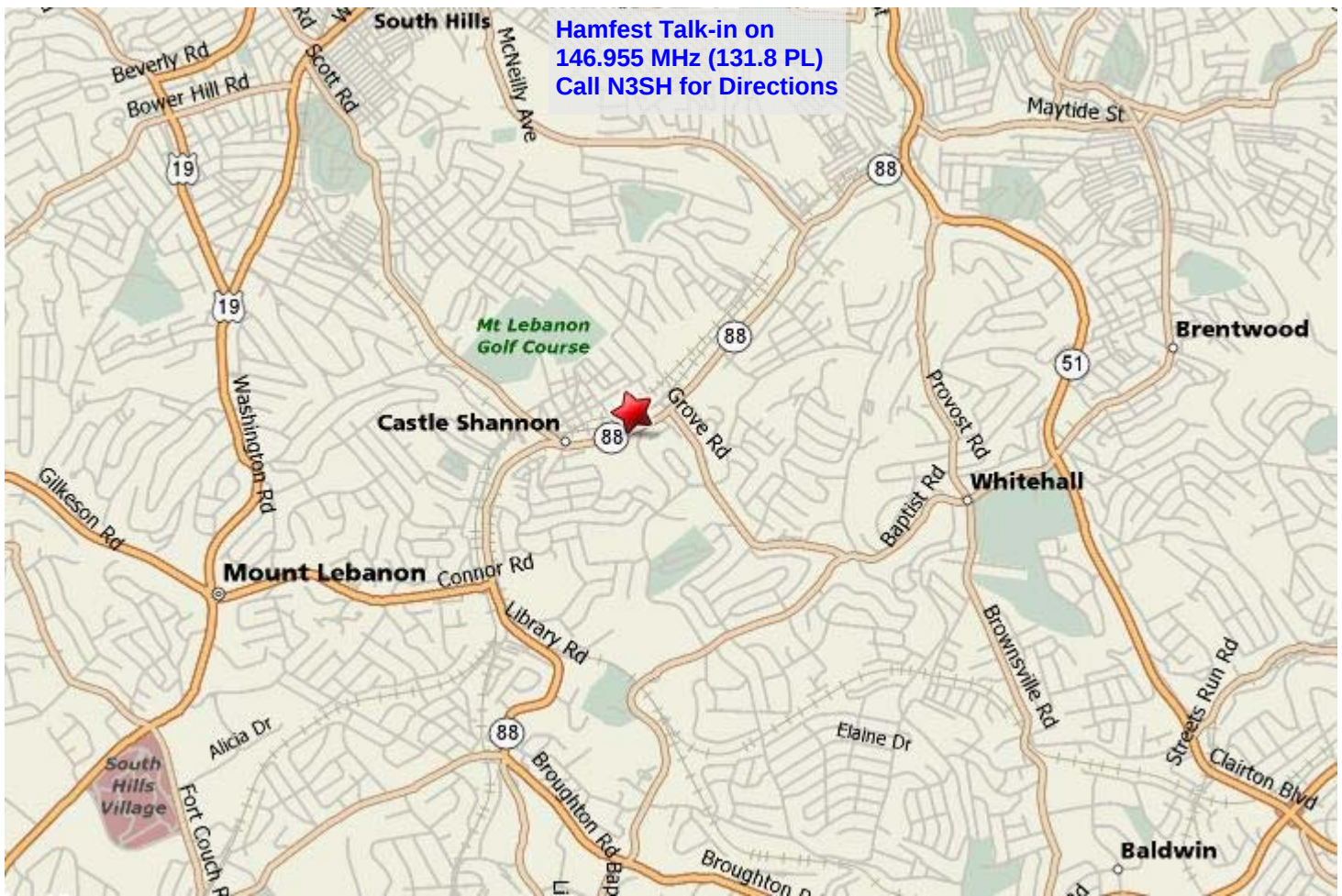
Call Sign: _____

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 2011
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 2011



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 1½ miles to Grove Road (3rd Traffic Light. Turn Left (North) onto Grove, and an immediate Left into the Parking Lot.

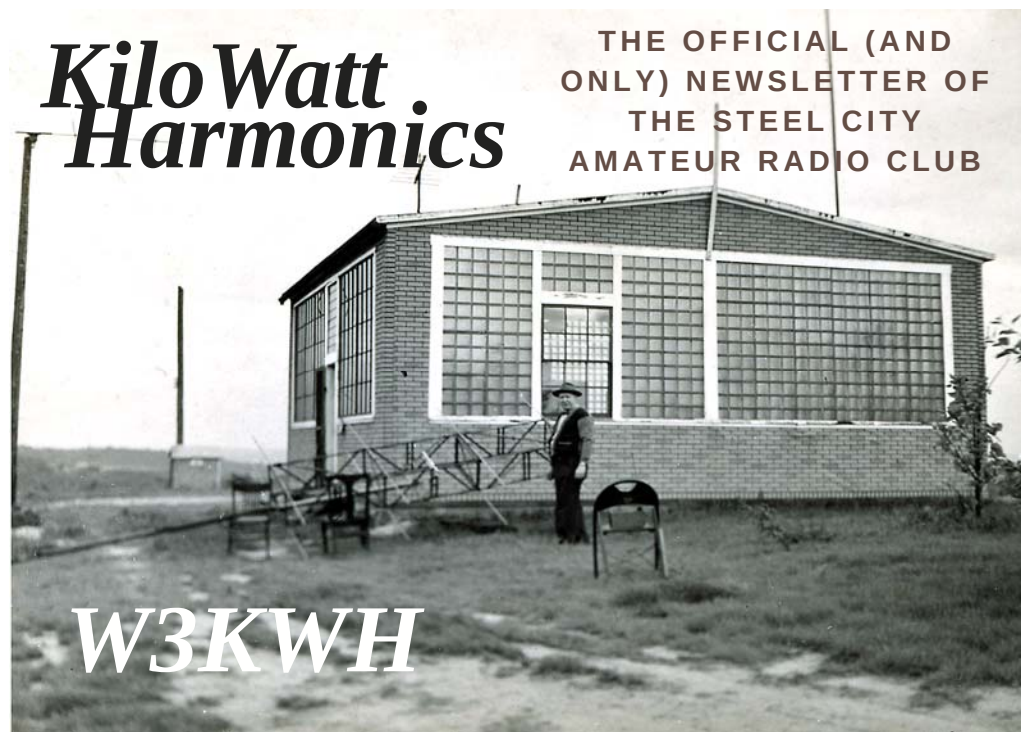
From US-22, Interstate I-76 (PA Turnpike) or I-376 (Parkway East): Follow the Parkway East inbound towards Pittsburgh, to the Boulevard of the Allies. Follow the Boulevard to the exit ramp (on the left) for the Liberty Bridge. Cross the Liberty Bridge and proceed through the Liberty Tunnel. Take the 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.



**NEXT
MEETING:
8PM
18JAN**



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