

OCTOBER | 2010 | ISSUE 10



▶ CLUB OFFICER INFORMATION AND TABLE OF CONTENTS ARE ON **PAGE 2**



▶ FOR THE SEPTEMBER BUSINESS MEETING MINUTES, TURN TO **PAGE 3**



▶ SEE WHAT'S GOING ON IN THE MONTHS OF OCTOBER & NOVEMBER: **PAGE 8** FOR OCTOBER, **PAGE 9** FOR NOVEMBER

**NEXT MEETING: OCTOBER 19 @ THE CLUBHOUSE. MEETING STARTS AT 8:00PM. COME FOR THE MEETING, STAY FOR THE FINE FOOD AND FRIENDLY SOCIALIZING AFTERWARDS.**

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

(Not unlike 'The Prez Sez', but written by the editor instead. Hence the name change.....)

Well, our post-movie-shoot-VHF-studio-renovation project continues. We decided to use the movie shoot as our catalyst for remodeling the room. Work is progressing quite nicely! We're down to the bare walls; some block pointing was done, along with some necessary cleaning and soon we will be insulating and dry-walling, along with painting to complete the job. A work party was held a few weekends ago, and we had a nice turnout. Many thanks to those who took the time to come out and work on the studio. We hope to have it done in the next few months. A big 'Thank you' goes to Joe, WB3AGB, who took the bull by the horns and ran with this project. I'll have some pics next month in the newsletter. BTW: Joe is part-time broadcaster, part-time club VP, and part-time contributor to "Shack Beautiful".....

Well, it's hard to believe it is the middle of October already! Contest season is gearing up.....Hopefully the bands will cooperate and start to show some activity. It's also the end of hamfest season. As a matter of fact the last one of the year will be the WACOM hamfest. It'll be held at the Washington County Fairgrounds on November 7. Admission is 5 bucks, and the fun'll start at 8PM. Talk in will be on 145.49MHz, and the address is 2151 North Main Street, Washington, PA. 15301. For more info, check out their website: [<www.wacomarc.org>](http://www.wacomarc.org). Thanks for reading! 73 de NB3C.....



# Finally, finally, finally! I'm on vacation!

Yep, that's right! Time for my annual cruise trip to the Caribbean. That's why I didn't go overboard this month with the newsletter like I did last month. I'm takin' a vacation from it too. (No no, my faithful print crew; no need to thank me, it was my pleasure, BELIEVE ME!) No, I don't plan on any DXpeditions; nothing concerning the radio on my trip, the old lady would kill me.....but I'm looking forward to it nevertheless. But that doesn't mean all younz are off the hook! I'm always on the prowl for newsletter material. Keep me in mind for radio related news: [<KQ3DX@hotmail.com>](mailto:KQ3DX@hotmail.com). Thanks! I'll be thinking of all of you while I'm getting tipsy on fruit-flavored alcoholic beverages! 73 de NB3C.

*Deadline for the November newsletter will be Friday, November 5. The newsletter will be published on or about Sunday, November 7.*

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

**Business Meeting Minutes:  
September.....Page 3**

**ARRL WPA Section  
News.....Page 4**

**National News.....Page 5**  
**DX News.....Page 6**

**QCWA September Meeting  
Hi-Lights.....Page 7**

**October Calendar.....Page 8**

**November Calendar.....Page 9**



October 2010

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Amateur Radio Club

Editor: Greg Babin, NB3C

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published monthly for the  
members of the Steel City  
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welcome at:

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

2M Repeater: 147.030/147.630MHz (123.0)

70cm Repeater: 444.450/449.450MHz (103.5)

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, WB3CRC, ARRL. THANKS  
ALL, FOR YOUR EFFORTS.

# Business Meeting Minutes: Sept. '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 4 visitors answered the Roll Call. The Minutes of the August Meeting was accepted as published in the Sept. newsletter. The Treasurer's report was given by Treasurer KA3YNO Walt and accepted by the membership. Payments were made for the winter heating oil, various insurances policies and the Township sanitary sewer assessment.

## Committee Reports

- ⇒ **Clubhouse** WA2VXJ Karl cleaned the clubhouse and K3JHT John helped to prepare tonight's snacks. W3SVJ Nate ("Agent Orange") sprayed and killed many of the weeds and nuisance shrubs on the club property. NU3S Al determined that the AC unit is broke and not feasible to repair. A new or used 3-ton unit will replace the AC system by next spring.
- ⇒ **Technical** WA3TTS Mike worked 10 GHz from Blue Knob and will be giving a presentation at the Pack Rats convention this weekend.
- ⇒ **Contest** WB3AGB Joe reported that 7 ops worked the VHF contest with 87 QSO's for some 3000 points. The PA QSO party will be on the Oct. 9 & 10<sup>th</sup> weekend. AK3J Stew said that the Skyview ARC will be the bonus station this year for the PA QSO contest and the Somerset club will be the bonus station next year.
- ⇒ **Public Service** KA3MSE Lloyd said that KA3TDQ Harry is looking for volunteers to work the Great Race. KA3JKS Sue reported that there will be an orientation for the Great Race, this Saturday morning, at the Green Tree Salvation Army office.
- ⇒ **Ways and Means** WA3FWA Joe will run the 50/50 raffle and collect any outgoing QSL cards for the ARRL Bureau.
- ⇒ **PC/Web Site** The Security System, approved at the August meeting, was purchased and worked as expected in a trial run.
- ⇒ **Volunteer Exams** one applicant passed the General exam.
- ⇒ **Old Business** N3EQP John and W3SVJ Nate are digitalizing the photos from the K3VSL Bill Hall estate of club members and events.
- ⇒ **Good of the Order** A pre meeting memorial service was held for SK K3VSL Bill Hall, a long time active member who passed away in July 2008 at age 90. NB3C Greg suggested a club sponsored 2 meter net to promote activity and club introduction for new members and to consider an introductory dues rate for new members. KB3PNE Colin had the opportunity to visit the radio room on the LST 325 that anchored recently in Pittsburgh. WB3AGB Joe described the planned remodel and repair to the VHF room. WB3HDI Bob explained the club's involvement with a college movie production project at the clubhouse. See the Sept. newsletter for details and pictures.
- ⇒ **Motion to Adjourn** by W3SVJ Nate.
- ⇒ **50/50 Raffle** won by N3SBF Richie.

Minutes submitted by Recording Secretary  
WA3FWA Joe.

**NEXT MEETING: OCTOBER 19,  
8PM @ THE CLUBHOUSE. HOPE  
TO CU THERE!**



## ARRL WPA Section News

On November 7 The WACOM group will sponsor the final scheduled hamfest for the 2010 season in our section. Additional information regarding the hamfest is available at <<http://wacomarc.org/hamfest.html>>. A list of vendors and other details is posted there. I will be in attendance as well to answer any questions or help with any problems.

Individuals interested in ARES operations are invited to join the WPA ARES yahoo group. You can join this group by sending an email to <[wpaares-subscribe@yahoogroups.com](mailto:wpaares-subscribe@yahoogroups.com)> and putting the word 'subscribe' in the subject line. Another website I recommend is located at <<http://www.wpanbems.org>>. This is the website for fldigi which is the digital emergency mode for our section. There is also information regarding training nets and training material for the software.

Those of you interested in contesting might want to check out the Allegheny Valley Radio Association website. This is a virtual contesting group that promotes contesting in the area. I have been a member for several years and would recommend it to anyone involved in any sort of contesting. Their website is at <<http://www.alleghenyvalley.net/>>.

On October 30th the Western Pennsylvania section will be conducting the annual Simulated Emergency Test. The test will run from 9 am to 1 pm. Additional information is available at <<http://wpaares.org/2010set.html>> Remember to go to the main page and register for the site as well and become a member of the ARES group.

My thanks go to Larry Keller, AB3ER, and others for their efforts in preparing the scenario for the set. This looks like a great opportunity for a fun operation. Please participate and be sure to report your results. The section net will be operating on 3983 KHz. Don't forget that we are celebrating the 75th anniversary of the ARES program. This event started in September of this year. The ARRL has special T-shirts, coffee mugs and also challenge coins available for purchase. Check out the website at <<http://www.arrrl.org/ares>> Additional information about the anniversary is available at <<http://www.arrrl.org/ares-anniversary>>. PIO's and local clubs can find media information there as well.

I would like to remind everyone that if you have any photos you would like to post on the section pages at arrrl.org please forward to me to be posted. Please have the appropriate permission for the use of the photo and people in them. Clubs beginning to schedule meetings for next year that would like a section official to speak at their meetings can send a request to me for consideration. Plans are being considered for a complete revision of the section emergency plan and also a new platform for digital communications. This was part of our discussion at the SET planning meeting last weekend. Anyone with ideas or suggestions should forward them to myself at <[n3mse@arrrl.org](mailto:n3mse@arrrl.org)> or Larry at <[ab3er@arrrl.net](mailto:ab3er@arrrl.net)>.

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 during the summer and 10 AM in the fall on 3983 KHz. Please check in for valuable information. There are also several traffic nets on various vhf-uhf repeaters. Join the nets and lets all get Radio Active.

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

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# News From The National Front.....

## ⇒ UNITED STATES SUPPORTS SECONDARY AMATEUR RADIO ALLOCATION AT 461-469 AND 471-478 KHZ

The Federal Communications Commission and the National Telecommunications and Information Administration -- the spectrum regulators for United States private sector and government users, respectively -- have agreed to support a secondary MF allocation to the Amateur Radio Service at 461-469 kHz and 471-478 kHz at the 2012 World Radiocommunication Conference (WRC-12), to be held in Geneva, Switzerland from January 23-February 17. FCC and NTIA officials formally presented the proposal at a meeting of the Second Permanent Consultative Committee of the Inter-American Telecommunication Commission, held August 30-September 3 in Fortaleza, Brazil.

## ⇒ ARRL AWARDS COMMITTEE MAKES STATEMENT ON DISSOLUTION OF NETHERLANDS ANTILLES

To clarify the administrative process by which the anticipated changes to the two existing Netherlands Antilles DXCC entities will be made, the ARRL Awards Committee has determined that at 0400 UTC (12:00 AM local time in the islands) on October 10, 2010, the two Netherland Antilles DXCC entities will be deleted. Commencing at 0400 UTC (12:00 AM local time) on October 10, 2010, operation from the islands of Curacao, Bonaire, Sint Maarten, Saba and St Eustatius will count for a yet-to-be-determined number of new entities under the DXCC List Criteria and Political Entities, Rule 1 and/or Rule 2 Geographic Separation Entities. When the Awards Committee determines what Rule 1 or Rule 2 actions apply, it will announce the final disposition of the entities on the DXCC list. The DXCC desk will not accept confirmations for these new entities until after January 1, 2011.

## ⇒ ARRL HONORARY VICE PRESIDENT HUGH TURNBULL, W3ABC, SK

ARRL Honorary Vice President Hugh Turnbull, W3ABC, of Silver Spring, Maryland, died September 14 at age 93. Turnbull served the ARRL as Atlantic Division Vice Director (1980-1982) and Director (1982-1996). The ARRL Board named him Vice President in 1996 and Honorary Vice President in 2000.

Aside from his long and distinguished service to the ARRL, Hugh was actively involved in several DC-area Amateur Radio clubs and organizations, including the Foundation for Amateur Radio, a group of clubs from the Maryland, Washington, DC and

Northern Virginia area that awards scholarships to deserving radio amateurs. In 2005, the Quarter Century Wireless Association awarded Turnbull a special plaque recognizing his "exceptional contributions to Amateur Radio in general and for outstanding work in the selection of recipients for the QCWA scholarship awards." He was also a charter member of the Goddard Amateur Radio Club. A licensed and active radio amateur since 1932, Hugh's engineering career included employment with the FCC, the Voice of America and NASA. Upon hearing of his death, ARRL President Kay Craigie, N3KN, who served as Atlantic Division Vice Director during Hugh's tenure as Director, said: "Hugh's life was devoted to serving his country and Amateur Radio. Many times I heard him say that each of us should 'give something back' to ham radio. He was my first mentor in ARRL leadership, and it was my good fortune to have his example to learn from." ARRL Chief Executive Officer David Sumner, K1ZZ, added: "Hugh was an exemplary member of 'The Greatest Generation' who unselfishly took on whatever needed to be done for the common good."

According to his daughter, Karen Shangraw, Turnbull will be buried with full military honors at Arlington National Cemetery.

## ⇒ JAPANESE AND CANADIAN AMATEURS CLAIM FIRST 2200 METER JA-VE QSO

Kunikazu Togashi, JA7NI, in Daisen, Akita, Japan, and Scott Tilley, VE7TIL, of Vancouver, British Columbia, completed a transpacific QSO on 2200 meters (137 kHz) on September 28. Tilley called this a first between Canada and Japan. The distance between CN89dk (VE7TIL) and QM09fi (JA7NI) is 7162 km. While not the DX record for 2200 meters, Tilley told the ARRL that the QSO comes in second to the distance achieved in 2004 by operators at the Wellington Amateur Radio Club Quartz Hill User Group, ZM2E, in New Zealand and Vladimir Burakov, UAOLE, in Vladivostok, Russia.

## ⇒ INDIAN STATE TO USE AMATEUR RADIO TO ASSIST IN LOCAL ELECTIONS

In one of the remotest parts of India, there are virtually no communication sources -- no cell phone towers, no landlines, no Internet access. But in democracies, elections are the key, even in the most isolated parts of the world. The Indian state of Kerala -- located on the western side of India's southern coast near the tip of the subcontinent -- will be holding its local elections -- called panchayat -- in October. The tribal hamlet of Idamalakkudi is located in Idukki, one of Kerala's 14 districts. It is to this village where upwards of 1400 people will gather to cast their votes for their local leadership for the Idamalakkudi tribal Grama Panchayat. And as isolated as the village is, members of the Emergency Communication Society and Idukki Ham Radio Club will be on hand to assist.

*'News From The National Front' is gleaned from various issues of the ARRL Bulletin and is ©2010, ARRL. Thanks to the ARRL for permission to reprint here.*

- ⇒ **BAHRAIN, A9.** David, A92GE has been QRV on 20 meters using CW between 0330 and 0430z. QSL to home call.
- ⇒ **CANARY ISLANDS, EA8.** Barry, G4BUD is QRV as EA8/homecall from Fuerteventura until October 14. He is active using QRP power with SSB and PSK. QSL to home call. In addition, operators AI, DJ5AA and Bernd, DL2DXA are QRV as EA8/homecalls from La Palma, IOTA AF-004, until September 24. Activity is holiday style on 80 to 10 meters. They will also try to activate Lighthouses Fuencaliente, ARLHS CAI-037, or Punta del Muro, ARLHS CAI-036, using QRP power. QSL to home calls.
- ⇒ **LIBERIA, EL.** Dickson, EL2DT has been QRV on 17 meters using SSB around 1300 to 1700z. QSL via EL2FM.
- ⇒ **MAYOTTE, FH.** Lionel, FH8ND has been QRV on 17 meters using SSB from 1600 to 1900z. QSL via F1OKV.
- ⇒ **EGYPT, SU.** Gab, HA3JB is QRV as SU/homecall from Cairo until the end of November. Activity is on the HF bands using CW, RTTY, SSTV, PSK31 and some SSB. This includes being entries in the upcoming CQ WW RTTY and Phone contests. QSL direct to home call.
- ⇒ **OPERATION APPROVED FOR DXCC CREDIT.** The following operation is approved for DXCC Credit: Prince Edward and Marion Island, ZS8M, current operation. If you've had cards rejected for this operation send an email to [dxcc@arrl.org](mailto:dxcc@arrl.org) for an update to your DXCC record.
- ⇒ **ARRL AWARDS COMMITTEE STATEMENT ON DISSOLUTION OF THE NETHERLANDS ANTILLES.** To clarify the administrative process by which the anticipated changes to the two existing Netherlands Antilles DXCC entities will be made, the ARRL Awards Committee has determined that at 0400Z (12:00 AM local time in the islands) on 10 October 2010, the two Netherland Antilles DXCC entities will be deleted. Commencing at 0400Z (12:00 AM local time) on 10 October, 2010, operation from the islands of Curacao, Bonaire, Sint Maarten, Saba, and St Eustatius will count for a yet-to-be-determined number of new entities under the DXCC List Criteria, and Political Entities, Rule 1 and/or Rule 2 Geographic Separation Entities. When the Awards Committee determines what Rule 1 or Rule 2 actions apply, it will announce the final disposition of the entities on the DXCC list.

The DXCC desk will not accept confirmations for these new entities until after 1 January, 2011.

- ⇒ **CYPRUS, 5B.** All radio amateurs on Cyprus may use the prefix 5B50 until October 31 to celebrate the 50th anniversary of the Republic of Cyprus.
- ⇒ **TANZANIA, 5H.** Pat, W8FV will be QRV as 5H9PD from Mwanza from October 2 to 30. Activity will be mostly on 40 to 10 meters using CW and some PSK31. QSL to home call
- ⇒ **IRAN, EP.** Ali, EP4AK has been active on 15 meters SSB around 1330z. QSL direct.
- ⇒ **PHILIPPINES, DU.** Hiro, JJ5GMJ is QRV as DU1/home call from Palawan Island, IOTA OC-128, and is here for another year and a half. Activity is on 160 to 6 meters. This includes entries in several upcoming CW contests. QSL to home call.

'News From The Dx World' is gleaned from various issues of the ARRL DX Bulletin and is ©2010, ARRL. Many thanks to them for permission to reprint here.

- ⇒ **ITALY, I.** Fred, IK7JWX is QRV as IR7WFF until December 31 from several national parks as part of the World Flora Fauna program in the provinces Lecce, Brindisi, Taranto and Bari. QSL to home call.
- ⇒ **SOUTH ORKNEY ISLANDS.** Diego, LU1ZA is QRV from the Orcadas Base on Laurie Island, IOTA AN-008. Activity is on the HF bands and generally during his weekends from 1800 to 2300z. His length of stay is unknown. QSL via LU4DXU.
- ⇒ **BELGIUM, ON.** Special event station ON509Q is QRV in celebration of the 50th anniversary of the independence of the Democratic Republic of Congo. QSL via bureau.
- ⇒ **NETHERLANDS, PA.** Fred, PA0FAW is QRV as PC75HV until October 28 from Hoge Veluwe National Park. Activity is on the HF bands using mostly CW, with some SSB and digital modes. QSL to home call.
- ⇒ **ZIMBABWE, Z2.** Bob, AC7GP is QRV as Z2/home call from Harare until November 1. Activity is generally during the weekdays on HF using SSB, RTTY and PSK31. This includes activity in the upcoming CQ WW SSB contest. QSL to home call.



# QCWA September Meeting Hi-lights

## QCWA MEETING

The meeting of the Quarter Century Wireless Association was held on June 19<sup>th</sup> and our keynote speaker was Bruce N3GHI. He had pictures and an honorary replica of the plane he was assigned to when he was in the service. He had many stories of close calls and the bomber runs they had made.

Here he is telling George Kitazawa NS3O, who recently became a SK, some of the details encountered on one of their flights. Note the replica of the plane.



On Sept. 25<sup>th</sup>, the fall meeting was held at Rocky's II in McKees Rocks. Art Kuntz W3WM was our speaker and told of the starting of Pgh. Chapter in 1947 with well over 100 members. He told of some of the offices he has served in both the local and National Chapter over the years and the many 2 1/2 hour trips from DuBois to Pgh. for many of the chapter duties. He has been a very dedicated member and our chapter gave a certificate of honor to him. Brian K9VKY our Chapter President, Dale WB3CRC and Bob K3ZAU made the presentation.

We also had Sam WA3DIP fill out the form for a new member and we welcome him into our chapter. Our next meeting will be tentatively the first weekend in December, but a notice will be sent out prior to that for confirmation.



If you are interested in joining our chapter, please come to our next meeting and enjoy the fellowship and share some of your amateur radio memories and things that make you proud that you're an amateur radio enthusiast.

73, Dale WB3CRC

W3LBE & Brother

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

# October 2010

## The Steel City ARC October Contest/Event Planner

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 TARA PSK Rumble ARRL EME Test Oceania DX SSB Test CA QSO Party EPC Russia DX Test
3 Monessen Hamfest ARRL EME Test Oceania DX SSB Test CA QSO Party EPC Russia DX Test	4 Breezeshooters Net GPVHF Business Meeting	5 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting ARS Spartan Sprint	6 SCARC Social Nite Alleg Co. ARES Net 144 Wednesday 432 MHz Fall Sprint NHARC Business Meeting	7 SkyView 2M Net WACOM Business Meeting SARL 80M QSO Party	8 YLRL Anniv. Test	9 PA QSO Party YLRL Anniv. Test Oceania DX CW Test Scandinavian DX Test AZ QSO Party
10 PA QSO Party YLRL Anniv. Test Oceania DX CW Test Scandinavian DX Test AZ QSO Party	11 Breezeshooters Net	12 WACOM 2M Net WACOM 10M Net 222 Tuesday	13 SCARC Social Nite Alleg Co. ARES Net 144 Wednesday NAQCC Key/Bug Test CW Ops Mini CWT Test	14 SkyView 2M Net WASH Business Meeting CW Ops Mini CWT Test RSGB 80M CW Sprint	15	16 IA QSO Party NY QSO Party Worked All Germany Test Feld-Hell Sprint JARTS WW RTTY Test
17 WASH 2M Net NY QSO Party Worked All Germany Test IL QSO Party JARTS WW RTTY Test	18 Breezeshooters Net IL QSO Party Run For The Bacon QRP	19 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	20 Alleg Co. ARES Net WACOM YL Net 144 Wednesday	21 SkyView 2M Net	22	23 10-10 Fall CW Test Stu Perry Topband Chal. W/VE Islands QSO Party Araucaria VHF Test
24 WASH 2M Net 10-10 Fall CW Test Stu Perry Topband Chal. W/VE Islands QSO Party Araucaria VHF Test	25 Breezeshooters Net	26 WACOM 2M Net WACOM 10M Net 222 Tuesday	27 SCARC Social Nite Alleg Co. ARES Net 144 Wednesday SKCC Sprint RSGB 80M SSB Sprint	28 SkyView 2M Net	29	30 CQ WW SSB Test WPA SET ARRL EME Test 10-10 Fall Digi Test 50MHz Fall Sprint
31 CQ WW SSB Test WASH 2M Net ARRL EME Test 10-10 Fall Digi Test 50MHz Fall Sprint						

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



October 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

# November 2010

## The Steel City ARC November Contest/Event Planner

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 <i>Breezeshooters Net</i> <i>GPVHF Business Meeting</i>	2 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> 222 Tuesday <i>Skyview Business Meeting</i> <i>ARS Spartan Sprint</i>	3 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i> <i>WACOM YL Net</i> 144 Wednesday <i>NHARC Business Meeting</i>	4 <i>SkyView 2M Net</i> <i>WACOM Business Meeting</i>	5	6 <i>ARRL Sweepstakes CW</i> <b>DON'T FORGET TO 'FALL BACK' 1HR ON THEM THERE CLOCKS B-4 BEDTIME!</b> <i>Ukrainian DX Test</i>
7 <b>DST ENDS</b> <i>ARRL Sweepstakes CW</i> <i>WACOM Hamfest</i> <i>WASH 2M Net</i> <i>Ukrainian DX Test</i> <i>DARC 10M Digi Test</i>	8 <i>ARRL Sweepstakes CW</i> <i>Breezeshooters Net</i>	9 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> 222 Tuesday	10 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i> <i>WACOM YL Net</i> 144 Wednesday <i>CW Ops Mini CWT Test</i>	11 <i>SkyView 2M Net</i> <i>WASH Business Meeting</i> <i>CW Ops Mini CWT Test</i> <i>RSGB 80M SSB Sprint</i>	12	13 <i>WAE DX RTTY Test</i> <i>JIDX SSB Test</i> <i>KY QSO Party</i> <i>OK/OM DX Test CW</i> <i>CQ-WE Test</i>
14 <i>WAE DX RTTY Test</i> <i>WASH 2M Net</i> <i>JIDX SSB Test</i> <i>KY QSO Party</i> <i>OK/OM DX Test CW</i> <i>CQ-WE Test</i>	15 <i>Breezeshooters Net</i>	16 <i>SCARC Business Meeting</i> <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> 222 Tuesday	17 <i>Alleg Co. ARES Net</i> <i>WACOM YL Net</i> 144 Wednesday	18 <i>SkyView 2M Net</i> <i>NAQCC Straight Key/Bug Test</i>	19 <i>YO Int'l PSK31 Test</i>	20 <i>ARRL Sweepstakes SSB</i> <i>SARL Field Day Test</i> <i>LZ DX Test</i> <i>All-Austrian 160M Test</i> <i>Feld-Hell Sprint</i>
21 <i>ARRL Sweepstakes SSB</i> <i>WASH 2M Net</i> <i>SARL Field Day Test</i> <i>LZ DX Test</i> <i>All-Austrian 160M Test</i>	22 <i>ARRL Sweepstakes SSB</i> <i>Breezeshooters Net</i> <i>Run For The Bacon QRP Test</i>	23 <i>WACOM 2M Net</i> <i>WACOM 10M Net</i> 222 Tuesday	24 <i>SCARC Social Nite</i> <i>Alleg Co. ARES Net</i> <i>WACOM YL Net</i> 144 Wednesday <i>SKCC Sprint</i> <i>RSGB 80M CW Sprint</i>	25 <i>Thanksgiving</i> <i>SkyView 2M Net</i>	26	27 <i>CQ WW DX CW Test</i> <i>WASH Breakfast</i>
28 <i>CQ WW DX CW Test</i> <i>WASH 2M Net</i>	29 <i>Breezeshooters Net</i>	30 <i>WACOM 10M Net</i> <i>WACOM 2M Net</i> 222 Tuesday				

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

# *Kilo Watt Harmonics*

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



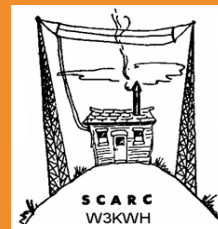
**W3KWH**

**NEXT MEETING:  
8PM  
19 OCT**



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

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



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