

Kilo Watt Harmonics

THE OFFICIAL HOUSE ORGAN OF THE STEEL CITY
AMATEUR RADIO CLUB, PITTSBURGH, PA.

March 2011
Issue #3
Price: FREE!



<www.w3kwh.com>

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VE SESSION MARCH 14. SEE **PAGE 16** FOR THE DETAILS.

DON'T FORGET TO MOVE THEM THERE CLOCKS AHEAD 1 HOUR
BEFORE BEDTIME ON SAT 3/12. OTHERWISE, YOU'LL BE LATE
ALL DAY SUNDAY. TIME FOR SAVINGS TIME AGAIN!

Our next meeting date: March 15, 8PM. Come for the meeting,
stay for the fine dining and friendly socializing afterwards.

WELCOME TO OUR NEW MEMBER: KB3VHT

WELCOME BACK: AA3EE

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Stark County (OH) VHF QSO Party
announcement.....See attached .pdf files.

2011 dues renewal form.....At the very end
of the newsletter.

KiloWatt Harmonics March 2011

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Amateur Radio Club (SCARC)

Editor: Greg Babin, NB3C

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The Steel City Amateur Radio
Club is an ARRL-affiliated
organization.

THE BUSINESS MEETING IS
EVERY THIRD TUESDAY OF
THE MONTH @8PM. A SOCIAL
NIGHT IS HELD EVERY
WEDNESDAY NIGHT, EXCEPT
FOR THE WEDNESDAY
FOLLOWING THE BUSINESS
MEETING. ALL AMATEURS ARE
WELCOME TO ATTEND BOTH!

NEXT NEWSLETTER DEADLINE: APRIL 8. PUBLICATION DATE: APRIL 10.

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)
ATV Repeater: 426.250MHz (Off-line)
WA3TTS Beacon: 144.300MHz (CW)
WA3TTS Beacon: 50.070MHz (CW)
WA3TTS Beacon: 1296.269MHz (CW) (SEE PAGE 9)

ON THE COVER: Bob, WB3HDI (standing) gives a lucky rub to
Joe, WB3AGB (seated) to help stimulate Field Day propagation.

PLEASE KEEP ME IN THE
LOOP ON LOCAL NEWS/
EVENTS. REMEMBER: JUST
BECAUSE YOU KNOW WHAT'S
GOING ON DOESN'T MEAN I
KNOW WHAT'S GOING ON!

THANKS TO THE FOLLOWING FOR YOUR CONTRIBUTIONS THIS MONTH:

WB3HDI, W3SVJ, N3MSE,
AB3ER, WA3TTS, N3EQP, ARRL,
WA3BKD, N3NHS, W3UR,
Wikipedia

Business Meeting minutes: February 2011

Our February meeting was called to order by Bob WB3HDI @ 8:15 to give the kitchen crew a bit of extra time and for any stragglers that wished to attend. Pledge of Allegiance followed by remembrance of our SK's and roll call showed 13 brave souls in attendance.

Last month's meeting minutes were declared by all as accepted as printed in the newsletter.

Walt KA3YNO gave the Treasurers report with a quite convincing explanation of negative 18 cents which was entertaining and informative. Walt also gave the number of paid up members to date which stands at 29.

Karl WA3VXJ had some Clubhouse Committee stuff. The water pressure is back up in the building after the plugged up cartridge was changed out, in the in-line filter. Karl also reminded newer members not to drink the tap water as we have a cooler with bottled water. Our storage shed will need attention this year in the way of repairs and general upkeep. A short discussion on replacing this shed took place and further investigation is needed on repair versus replacement. More to come, on this item, in the near future. Karl thanked Bob HDI for salting the road so no one else would duplicate his wild ride down the hill a couple of weeks ago.

On the contest front, the Breeze Shooters CW Ground wave is this Saturday the 19th of February. The ARRL DX CW contest February 19-20, 2011 has some new entry categories. See the ARRL web site for full details. And the CQ World Wide 160 Phone Contest is February 25-27, 2011.

We have 2 new members. Well, 1 new and 1 re-cycled. SCARC welcomes John Mitchell KB3VHT. This past meeting was Johns' 3rd reading and he was voted in. Glad to have John aboard. The other applicant is Dave AA3EE. Dave is a legacy, and in some fashion related to Art WA3BKD. For the latter, Dave was assessed an extra 100.00 dollars just because we like him. Congrats to John and Dave, welcome and welcome back!

Our Newsletter Editor Greg NB3C has taken over the mailing portion of the SCARC newsletter from the head mailroom guy Nat W3SVJ. Greg also asked those in attendance if the calendars he puts into the newsletter are valuable and wanted by the members. A unanimous YES was echoed by all. Greg also asked for more LOCAL news.

Bob NU3Q mentioned that the St Paddy's Day parade and the Race for The Cure will be coming up and he will pass along more info on dates, ops needed, etc... as he gets it.

John N3EQP, our Librarian says that a Satellite Handbook requested by Doc KT3L and a new version of ON4UN's Low Band DX'ing will grace our Library soon.

Volunteer Exams will be held March 14, 2011. Contact Mark A13J for info. Mel WA3RVD made WAS (Worked All States). Congrats to you Mel! Art WA3BKD noted to all that he will have a table at the WASHFest coming up on the 27th of Feb. And depending upon skeds, Art also invited some of the WACOM group to visit the club and have a look around probably April or May. We should be snow and ice free by then. Art also filled in for Joe on the 50-50.

Good of the Order report on Joe WA3FWA by Walt YNO. For those that have not heard, Joe FWA had undergone surgery for a tumor growing on a nerve bundle near his right ear. This growth had taken Joes hearing in that ear and was threatening eyesight and other functions. As far as we know the procedure went well albeit Joe suffered a slight / mild stroke. Details were not many, but Joe was sitting up and talking and his prognosis is good. We wish Joe well and a speedy recovery as our good thoughts and prayers go with him.

A motion to adjourn was made by Nat SVJ, seconded by Art BKD and "AYEed" by all @ 9 PM. 50/50 raffle was won by Nathan, W3SVJ.

73, Bob WB3HDI (Bob submitted this month's minutes in the absence of Joe, WA3FWA, who is recuperating from surgery.)

Some notes on Joe FWA.

Joe is the kind hearted soul that takes care of the Ways & Means Committee and is Recording Secretary of SCARC and has done so for many, many years. A pretty good hobby photographer, likes a good joke, airplanes and has no problem laughing at himself. A good all around egg who keeps your thirst quenched, by keeping the pop machine filled. So the next time you get a cold drink or read the meeting minutes, think of Joe.

Hurry back OM.

NEXT MEETING: MARCH 15, 8PM @ THE CLUBHOUSE. HOPE TO CU THERE! (WEATHER PERMITTING, OF COURSE.)



This year we plan on emphasizing the rebuilding of the ARES program in Western Pennsylvania. Larry Keller is currently reaffirming with ARES leaders their interest in continuing in the position they currently are holding. Any individual interested in a leadership position in the ARES organization should contact Larry Keller, AB3ER for details. He can be reached at [<ab3er@arrl.net>](mailto:ab3er@arrl.net)

One main area that we are testing is to create a complete roster of ARES members. We are asking all individuals to register with the online platform we have had created so we get a concise up to date roster of members.

The following is a message from Larry regarding the new roster builder:

The roster build is going very well. Since opened 2 weeks ago, as of Friday 2/11, 237 WPA ARES members renewed or signed up on line. The system still has some kinks that are being addressed including ARRL servers down and input errors that must be corrected. Please let me know if you experience any problems. Your patience is appreciated. Like PennDot says, "temporary inconvenience, permanent improvement." Please continue to spread the word:

1. Register at [<www.arrl.org/ares-registration-form>](http://www.arrl.org/ares-registration-form).
2. ALL ARES members and perspective members must be registered on line (give a hand to those without a computer)
3. ECs approve all applications for their County. Those not approved will be considered "unassigned".

I want to remind everyone not to be confused by the two separate areas of ARES and ACS. ARES is and will continue to be our emergency service platform for the section. The ARES platform is an integral part of our service to our served agencies. NTS is the message handling platform for our ARES network. ACS on the other hand is a state program managed by PEMA for emergency management agencies during emergencies. The ARES platform along with RACES, CAP, REACT, Coast Guard auxiliary and others are partners with that program. Please remember to keep these two groups separated. Larry Keller and I represent the Western Pennsylvania section with PEMA on ACS. All ACS information regarding our involvement with ARES will be issued from us.

I am pleased to see the amount of activity being generated on the Tuesday evening NBEMS net. Check-ins from across the state as well as several stations from outside of Pennsylvania are checking in. Join them for a fun evening. With the new ARES platform NBEMS will become an integral part of our platform.

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 3983KHz every evening at approximately 5:00 PM local time during the winter due to propagation. The net will return to 6 PM when the time change occurs. The CW net is at 3585KHz 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. On Tuesday evening a PANBEMS net is conducted at 6 pm also on 3583.5 CW. Another net is held Sunday mornings at 10 AM. Please check in for valuable information. Additional information on various NBEMS nets is available at [<http://panbems.org/>](http://panbems.org/). There are also several nets on various VHF-UHF repeaters. Join the nets and lets all get Radio Active.

73, John V. Rodgers, N3MSE,
ARRL Western Pa. Section Manager

THE ARRL WPA SECTION:

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⇒ MIXED DECISION FROM THE CALIFORNIA COURT OF APPEALS IN PALMDALE, CALIFORNIA ANTENNA CASE

On January 27, the California Court of Appeals, Second Appellate District, issued its Opinion in the antenna case of Alec Zubarau, WB6X. In several respects, it is a win for Amateur Radio in California; however, the Court decreed that Zubarau was not entitled to his HF antenna, and said that his vertical antenna would suffice as a substitute for it.

The Court found that the Palmdale antenna ordinance, as it pertained to the height limit for vertical antennas, was "unenforceable" because it allowed a radio amateur to have a vertical antenna up to 75 feet high when measured from the ground but limited the "active element of the antenna array" to 30 feet. The ordinance did not define "array" or "active element" and did not specify from where the 30 permitted feet for such "array" was to be measured. The Court found that if even one reasonable interpretation of the ordinance could be found, the ordinance could be upheld, but that in this case, no one could understand what the limitations were and how they could be applied. That portion of the City's ordinance was therefore unconstitutional and unenforceable.

The Court also held that the ordinance was unenforceable to the extent that it attempted to regulate radio frequency interference. The City maintained that it could regulate RFI, but the Court, citing case law and argument in ARRL Amicus Curiae brief, held that only the FCC could regulate RFI. Any State or municipal law that attempts to regulate RFI is preempted.

Of some concern to Len Shaffer, however, is that the Court held that Palmdale properly ordered Zubarau to remove his permitted 55-foot crank-up tower. The Court opined that the small, VHF/UHF vertical on the roof constituted "reasonable accommodation" under PRB-1 and California PRB-1 statute (California Government Code Section 65850.3). The Court said that leaving Zubarau with a VHF/UHF antenna constituted a reasonable accommodation because it allowed him to be active in some part of Amateur Radio. There was no analysis of the "minimum practicable regulation" test in PRB-1 and the California statute, so that part of the three-prong PRB-1 test was left unexamined. Because the Court reversed the trial court on this finding, Zubarau had no longer clearly "substantially prevailed" in this case and so the Court remanded the case to the trial judge to re-examine the issue of attorney's fees claimed by Zubarau.

The Court's application of the "reasonable accommodation" standard of PRB-1 in this case is, in the view of Len Shaffer and ARRL, both unique and very narrow. Said ARRL General Counsel Chris Imlay, W3KD:

"While this decision is positive for Amateur Radio in California in two significant respects, the record in this case shows that the small, roof-mounted VHF/UHF antenna at WB6X was insufficient to conduct any international communications. Alec's tower is necessary in order to conduct international communications and to permit even a 50/50 chance of contacting Alec's native Belarus on any given day. The Court ignored this evidence and it did not apply the "reasonable accommodation" test articulated by FCC and in prior case law, and it did not

apply PRB-1's "least practicable restriction" test at all. In essence, the Court applied a balancing test which FCC and several Federal courts have said is improper in conducting the PRB-1 analysis. It is not true that any accommodation for a radio amateur is reasonable accommodation, and it is not sufficient to simply permit a radio amateur "some participation" in our avocation. Instead, PRB-1 permits effective, reliable Amateur communications. It is hoped that the Court will revisit this portion of its otherwise favorable decision and get it right the second time."

The court made three decisions that affect amateurs in California. First the court found that part of the Palmdale ordinance was unconstitutional because it was vague and could not be understood by a reasonable person. That part of the ordinance allowed an Amateur to have a vertical antenna up to 75 feet high when measured from the ground but limited the "active element of the antenna array" to 30 feet in height.

The court found that the ordinance did not define "array" or "active element" and did not say where the height of such array was measured from. After a number of questions were submitted regarding this ordinance, the court determined that no one could really understand what it meant and declared it unconstitutional. This part of the decision, said ARRL Volunteer Counsel Shaffer, will affect only hams living in Palmdale.

Material for the 'National news briefs' column is gleaned from various issues of the ARRL Bulletin, and is ©2011, ARRL.

The next issue decided by the court had to do with radio frequency interference. They said that only the Federal government could regulate RFI and any state or municipal law that tried to address it was preempted. That means it is not enforceable. That part of the decision affects hams throughout the state, according to Shaffer. He asks any California amateur whose municipality or county has an ordinance that limits Amateur Radio antennas or operations based on whether there is interference to consumer or other devices to contact Southwestern Division Vice Director Marty Woll, N6VI, at n6vi@arri.org.

The final part of the decision had to do with whether Palmdale followed the law when they made Alec Zubarau take down his permitted tower but allowed him to keep a VHF/UHF vertical on his roof. The court said they thought this was a reasonable accommodation because it allowed him to be active in some part of Amateur Radio. "This decision is troubling," said Shaffer, "and we are considering what options we may have regarding any further review of the issue. We will be conferring with various legal sources before any final determination is made."

⇒ FCC ADDS NEW COUNTRY TO CEPT RECIPROCAL AGREEMENT FOR AMATEURS

On Monday, February 7, the FCC released a Public Notice (DA 11-221), adding a new country to the CEPT reciprocal operating arrangements for US citizens who hold an FCC-issued General, Advanced or Amateur Extra class Amateur Radio licenses. US hams may now operate in Montenegro, as well as the other countries covered by the European Conference of Postal and Telecommunications Administrations (CEPT), subject to the regulations in force in the country visited, to operate in those countries.

(CONTINUED ON PAGE 10)

News from the DX world

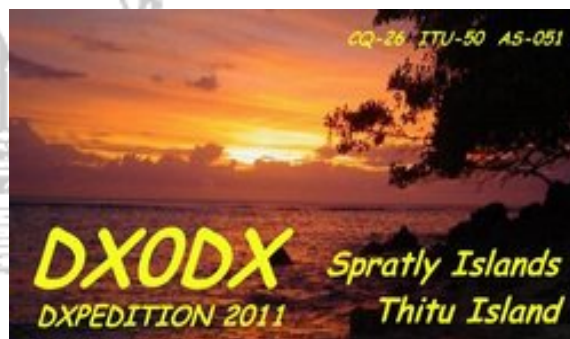
- ⇒ [KENYA. 5Z.](#) Sig, NV7E is QRV as 5Z4EE for the next four years. He is active on 160 to 10 meters. This includes entries in all the major contests. QSL to home call.
- ⇒ [NEW ZEALAND. ZL.](#) Members of the Papakura Radio Club Branch 65 in South Auckland are QRV using special event callsign ZL50VK until March 31 to celebrate the 50th anniversary of the club. QSL via ZL1VK.
- ⇒ [OPERATION APPROVED FOR DXCC CREDIT.](#) The following operation is approved for DXCC credit: Rwanda, 9X0SP, 2010 operation. If you had this operation rejected in a recent application, E-mail <dxcc@arrrl.org> to have your record updated.
- ⇒ [ST. VINCENT. J8.](#) Dave, G3TBK is QRV as J88DR until March 14. Activity is on all HF bands, with a preference to the newer bands, using CW, SSB and RTTY. This includes entries in the ARRL DX CW contest and the upcoming ARRL DX SSB and RSGB 74th Commonwealth contests. QSL to home call.
- ⇒ [ST. KITTS AND NEVIS. V4.](#) Jon, W5JON and Cathy, W5HAM are QRV as V47JA and V4/W5HAM, respectively, from Calypso Bay, IOTA NA-104, until March 30. Activity is on 80 to 6 meters using SSB. This includes entries in the upcoming ARRL DX SSB and CQ WPX SSB contests. QSL both calls via W5JON.
- ⇒ [WEST KIRIBATI. T30.](#) Jacek, SP5EAQ and Jacek, SP5DRH will be QRV as T30AQ and T30RH, respectively, from Tarawa, IOTA OC-017, from March 1 to 17. Activity will be on 160 to 10 meters using CW, SSB and RTTY. QSL to home calls.
- ⇒ [REVILLAGIGEDO. XF4.](#) A group of operators will be QRV as 4A4A from Isla Socorro, IOTA NA-030, from March 3 to 20. Activity will be on all bands with separate stations active using CW, SSB and RTTY. QSL via EB4DX.
- ⇒ [CAMBODIA. XU.](#) Nob, JA1FMZ will be QRV as XU7FMZ from March 2 to 28. Activity will be holiday style on 20 to 10 meters using SSB. This includes entries in the upcoming ARRL SSB DX and CQ World Wide WPX SSB contests. QSL direct to home call.

NEW MONTHLY COLUMNS ADDED! CHECK OUT THE PROPAGATION REPORT ON PAGE 16 AND THE DX QSL INFO ON PAGE 17.

ALSO, THERE ARE SOME COOL DXPEDITIONS COMING UP SOON. CHECKOUT PAGE 18 FOR A LISTING OF THEIR WEBSITES.



- ⇒ [DX0DX SPRATLY ISLANDS POSTPONED.](#) In the March 3 edition of *The Daily DX*, Editor Bernie McClenney, W3UR, reports that the planned DXpedition to the Spratly Islands has been postponed until April 2012. According to DX0DX Team Leader Chris Dimitrijevic, VK3FY, the postponement is due to circumstances beyond the control of the DX0DX Team and "in the best interests of the team of operators." The DX0DX DXpedition was originally scheduled to run January 6-February 1, 2011. Spratly currently sits at #32 on *DX Magazine's* "Most Wanted" List. (From the ARRL Bulletin, March 3rd edition.)



'News from the DX world' is gleaned from various issues of the ARRL DX Bulletin and is ©2011, ARRL.

- ⇒ [GHANA. 9G.](#) Rob, PA3DEW and Vincent, PA3FQX will be QRV as 9G1AA from March 1 to 20 while on work assignment at the Dorma Ahenkro Hospital. Activity will be on 20 and 15 meters using mostly SSB. QSL via PA3ERA.
- ⇒ [CRETE. SV9.](#) Willi, DJ7RJ is QRV as SV9/DJ7RJ until March 15. Activity is on 160 to 6 meters using CW and SSB, with a preference for the low bands. QSL to home call.
- ⇒ [EAST MALAYSIA. 9M6.](#) David, VO1AU is QRV as 9M6/VO1AU until March 15. He will participate in the ARRL SSB DX contest and the upcoming BERU contest. QSL via VO1MX.
- ⇒ [SABLE ISLAND. CY0.](#) Operators N0TG, K8LEE and N1SNB plan to be QRV as home calls/CY0 from March 7 to 15. Activity will be on 160 to 6 meters using CW, SSB and RTTY with three stations active simultaneously. QSL all calls via N0TG. (MORE ON PAGE 16)

Public Service: Local news/events

⇒ ROSTER BUILDER

The roster build is going very well. It opened in late January, and as of Friday 2/11, 237 WPA ARES members renewed or signed up on line. The system still has some kinks that are being addressed, including ARRL servers down and input errors that must be corrected. Please let me know if you experience any problems. Your patience is appreciated. Like PennDot says, "temporary inconvenience, permanent improvement." Please continue to spread the word:

1. Register at <www.arrl.org/ares-registration-form>
2. ALL ARES members and perspective members must be registered on line (give a hand to those without a computer)
3. ECs approve all applications for their County. Those not approved will be considered "unassigned".



WWW.ARRL.ORG

helping out should contact their local EC, DEC or me. We need all the help we can get!

⇒ NETS

Thanks to Dave KB3FXI and the PA-NBEMS net for distributing this bulletin. Harry, W3YJ coined the term, "Masters of Digital Disasters" - pretty catchy and worthy of a certificate. Stay tuned for developments.

The WPAARES Sat. net (3.983 MHz, 9:00 AM) had 14 check-ins on 2/12. This net is intended as a forum for WPA ARES information and to follow local propagation. If you don't want to check-in, listen-in. Comments for the net can be sent in advance by email to <ab3er@arrl.net>.

Tri-State ARES HF net- Meets on 3.953 MHz Sat at 9:30. This is a new net with some great exercises. On the 2/12 net, emergency power check-ins were encouraged. This net is a valuable resource for the Tri-State area and NW PA.

73, Larry Keller AB3ER, SEC WPA ARES

⇒ DISTRICT NEWS

District Meetings: SM Rodgers, N3MSE and SEC Keller AB3ER are scheduling meetings in each District. The N1 District meeting is scheduled for Feb 19. ALL ARES members are encouraged to attend. DEC's in S1, N2 and S2 will be contacted to schedule meetings in their District. Please help them in locating a meeting place and time convenient in your area. Meetings will discuss the direction of WPA ARES and the relationships to the PEMA / ACS and others. Suggestions for other topics greatly appreciated

N1 District DEC Mike KE3JP stepped down from his position as DEC. Chip, N3CDX will be acting as interim DEC until a permanent appointment is made. Mike's service to ARES as DEC is greatly appreciated. Thanks Mike!

⇒ WX EMERGENCY

February's major storm seems to have spared most areas of WPA from severe damage. Thanks to all who went into "standby mode" on local nets and SKYWARN. This was one of the first alerts for the ACS system. The after-action report is being compiled. There were some disconnects observed in the new system, but, that is expected of a new system. I will be happy to compile our experiences and send it along to the ACS folks.

⇒ REMINDER

Things change and it is important to keep our leadership rosters current. All ARES DEC's and EC's are asked to confirm their desire to continue to serve on the WPA ARES leadership team by Monday, Feb 14. Anyone interested in

Do you SkyWarn? Do you wanna?
If you're interested in taking the SkyWarn classes offered this spring, click on this link:
<<http://www.erh.noaa.gov/pbz/skymet.html>>



The URL for ARES registration is:
<<http://www.arrl.org/ares-registration-form>>
WPA is now listed under the Section field.

AA3EE	DAVE
AA3TK	TOM
AB3KD	JAY
AE3JM	JASON
A13J	MARK
AK3J	STEW
DC3RJ	JUERGEN
DL4ZAA	RALF
K3GJS	HARRY
K3JHT	JOHN
K3LAB	DOUG
K3RYA	BILL
KA3JKS	SUE
KA3LIW	DEAN
KA3MSE	LLOYD
KA3MXQ	ALAN
KA3YNO	WALT
KB3BZR	JERRY
KB3CWE	GARY
KB3GMN	CAROL
KB3LED	MARK
KB3LY	ELLIOT
KB3NZX	BOB
KB3ORO	JOYCE
KB3PNE	COLIN
KB3RUK	JIM
KB3SVF	GARY
KB3UEE	MIKE
KB3VHT	JOHN
KD7HR	GREG
KR8Q	MARK
KT3L	DOC
N3DQ	DELLA
N3DXE	BILL
N3EKL	JOHN
N3EQP	JOHN
N3EVM	BOB
N3GHI	BRUCE
N3GHO	GLORIA
N3SAF	LEE
N3SBF	RITCHIE
N3UUZ	CHUCK
N3VEF	BILLY
NB3C	GREG
NU3Q	BOB
NU3S	AL
W3BC	JOE
W3HH	DOUG
W3JQJ	MATT
W3LA	LEN
W3MAC	MAC
W3MHY	STAN
W3SVJ	NATE
W3UUH	JACK
W3WTW	TIM
W6LAC	BOB
WA3BKD	ART
WA3CYU	BOB
WA3FWA	JOE
WA3PYU	MIKE
WA3RVD	MEL
WA3TTS	MIKE
WA3VXJ	KARL
WA8NLX	RICK
WB3AGB	JOE
WB3CRC	DALE
WB3HDI	BOB
WQ3T	DAVID

WELCOME, GENTS:
AA3EE, KB3VHT

ATTENTION ALL AMATEURS:

Interested in becoming a member of SCARC? We have a business meeting every third Tuesday of the month, starting @ 8:00PM at the clubhouse. We also have a social night every Wednesday of the month except for the Wednesday immediately after the Tuesday business meeting. Shoot an E-Mail to any one of the Officers or me, your friendly Editor, and we'll set you up with instructions on how to join and get to the clubhouse. All amateurs are welcome to join! Hope to see you at a meeting/social night soon! (You'll find our E-Mail addresses on page 2.)

Local events

- ◆ Breezeshooters G/W SSB Contest, March 19
- ◆ 2 Rivers ARC HamFest, April 3rd, The Spectrum, Boston, PA.
- ◆ Pittsburgh Marathon, May 15.
<www.pittsburghmarathon.com>
- ◆ Breezeshooters Hamfest, June 5. Butler Farm Show Grounds, Route 68.
- ◆ Pgh Vintage GP: July 23/24 (Schenley Park race weekend). Corky, N3MJP is the contact man for this detail and you can reach him at 724-217-5458.
- ◆ NHARC Hamfest, July 10. NEW VENUE: West View VFW, 386 Perry Highway, Pittsburgh 15201.
- ◆ Somerset County ARC Hamfest, July 17 @ the Somerset Technology Center.
<www.k3smt.org>
- ◆ Skyview Hamfest, August 28. ARRL WPA Section convention @ the clubhouse grounds.
<www.skyviewradio.net>
- ◆ Uniontown ARC GabFest, September 3rd, @ the Uniontown ARC clubhouse grounds.
<www.w3pie.org>
- ◆ Butler County ARC HamFest, September 11 @ Unionville Fire Hall on Route 8 north of Butler.
<www.w3udx.org>
- ◆ Monessen Amateur Radio Club HamFest, October. (EXACT DATE UNAVAILABLE AT TIME OF PUBLICATION. I'll update when available.) Blaine Hill VFD, 409 Oxford Avenue Elizabeth, PA. <<http://w3csl.org/>>
- ◆ WACOM hamfest, November 6. Washington County Fairgrounds, 2151 North Main St. Washington, PA. <www.wacomarc.org>
- ◆ ARRL Western PA. SET, October 29??

I'll confirm dates as we get closer to each event.
Send any corrections you know of to me:
<KQ3DX@hotmail.com>



Library books Want List

John, N3EQP, our club librarian, is looking for requests for new books to be added to the club library. So, if you know of a book that you'd like to see added, shoot him an E-Mail over to the SCARC Members reflector. You can also catch up to him at any social nite/business meeting. Below is a listing of the books we currently have, ready for you to check out & use:

AMATEUR RADIO EMERGENCY COMMUNICATIONS COURSE LEVEL 3
ANTENNA BOOK 20TH EDITION
ANTENNA BOOK 21ST EDITION
ARRL'S WIRE ANTENNA CLASSICS
ASTRONOMER BY CHANCE
ELECTRONICS FOR EARTHLINGS
EMERGENCY COMMUNICATIONS HANDBOOK
EMERGENCY POWER FOR COMMUNICATIONS
FCC RULES & REGULATIONS
G WEST EXTRA CLASS BOOK
G WEST EXTRA CLASS MP3 DISKS
G WEST GENERAL CLASS MP3 DISKS
G WEST TECHNICIAN CLASS MP3 DISKS
GROUND SYSTEM PERFORMANCE
HAM RADIO FOR DUMMIES
HAND BOOK FOR RADIO AMATEURS 1990
HAND BOOK FOR RADIO COMMUNICATIONS 85TH EDITION
HF DIGITAL HANDBOOK
INTERNET LINKING WITH ECHOLINK
LOW POWER COMMUNICATIONS
MICROWAVE HANDBOOK 2ED
MORE QRP POWER
NEW WAYS TO USE TEST METERS
ON4UN'S LOW BAND DXING 4TH ED.
OPERATING MANUAL 8TH EDITION
REPEATER DIRECTORY 2007-2008
REPEATER DIRECTORY 2008-2009
REPEATER DIRECTORY 2009-2010
RFI BOOK 2ND EDITION
RFI BOOK 2ND EDITION COPY 2
SATELLITE HANDBOOK
SIMPLE AND FUN ANTENNAS FOR HAMS
THE ARRL OPERATING MANUAL
THE IMPOVERISHED RADIO EXPERIMENTER
THE QUAD ANTENNA
UNDERSTANDING, BUILDING AND USING BALUNS AND UNUNS
UP THE TOWER - THE COMPLETE GUIDE TO TOWER CONSTRUCTION
VHF | UHF HANDBOOK
VHF DIGITAL HANDBOOK
W1FB'S QRP NOTEBOOK
YOUR INTRODUCTION TO MORSE CODE

Southern Sudan DXpedition news

The Intrepid-DX Group and the DX Friends have combined efforts to announce our next DXpedition, to the newly created country of Southern Sudan, to take place after July 9th 2011.

The Intrepid-DX Group is the group which brought you the 2010 YI9PSE, IRAQ DXpedition. The DX Friends have brought you the 2006 S01R DXpedition to Western Sahara, the 2008 DXpedition to Rwanda as 9X0R, the 2009 DXpedition to Western Sahara as S04R, the 2010 DXpedition to Palestine as E4X and the 2010 DXpedition to San Marino as T70A.

Once again, ICOM America has agreed to be global radio sponsor, while ACOM-K1LZ has agreed to provide the venerable ACOM amplifiers for this operation.

It is hoped that the callsign ST0DX will be issued this next week following our meeting with the Government of Southern Sudan Mission in America.

As with previous DXpeditions, this will be a major effort, with a target of more than 150,000 QSOs. There will be up to ten stations on the air, using amplifiers along with high performance beams and vertical dipole arrays, 24 hours a day, for almost three weeks.

Our primary objective is to activate Southern Sudan with a view to giving as many DXers as possible a first contact with this new DXCC entity and, as a secondary objective, to give as many band-slots as possible.

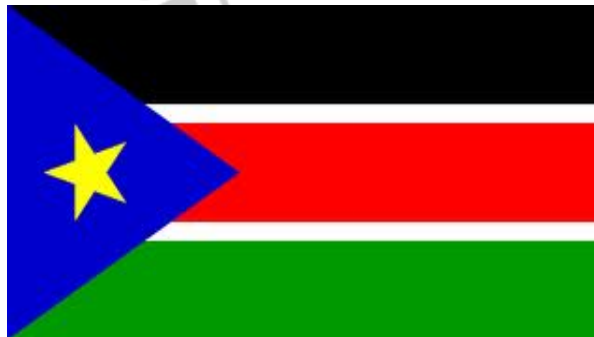
We will soon be seeking contributions from sponsors to help defray the very significant logistics costs of this DXpedition. For example, there is limited electricity in Southern Sudan so generators will have to be shipped.

Details of how to donate will appear on our website which will be live very soon. PayPal donations may be made directly via the site. All donations of \$10 USD or more will be acknowledged.

The logos of all DX clubs etc. which have helped to sponsor the DXpedition will be shown on the QSL card, as will the names and callsigns of those who make an individual contribution of \$100 USD or more.

This first Press Release is intended mainly to alert you to our upcoming DXpedition. More information will be available soon via our website.

Thank you,
The Intrepid-DX Group and The DX Friends. <www.intrepid-dx.com>



**SEE THE RELATED ARTICLE
ON PAGE 18**

WA3TTS 1296MHz Beacon update

Beacon is back up and sending fairly fast CW, like 18-20wpm. More work to do but the 1.3 GHz PLL block is keeping lock now with an optimized drive level from the external reference oscillator. No power to the xtal oven so the frequency may slowly wander a few KHz. Next move is to try a diplexer arrangement and tuner into my 4 stack omnis for 432....and a second RF PIN switch in series to lower the backwave level.

I'm accepting beam heading requests for anyone interested in trying to receive the 1296 beacon, so send me your six digit grid square locator.....<WA3TTS@verizon.net> 73, Mike, WA3TTS.....

The Ed Sez.....

Did 'ja get a chance to say 'Hello' to Chloe, KF7NSE? She was in town workin' on a project to bring amateur radio to the masses. Here for just a short time, she was basing her operation out of the Waffle House in East Liberty on Baum Boulevard, oh, for about a week or so. She'll be on her way home to Oregon for a while, but I understand she'll be back our way in the near future. Y'know, for a young lady to go up on the roof of a 2 story building (**by herself**), hang her own antenna (**by herself**), string her own coax (**by herself**), and get on the air with just a little help from our own Bob, 'HDI and Joe, 'AGB, is pretty impressive! She was quite active on the club repeater, introducing people at the WH to our little world of radio. Nice job, Chloe! Thanks for bringing some activity to our repeater and your efforts to introduce amateur radio to the masses! Who knows; mebbe we'll be hearing some new ops on the air (thanks to her efforts) soon.....Like Bob, 'HDI sez, she's a quick study and certainly no dummy.....

When March exits, so does the contest season. Well, just for a short while, anyway. CQ WPX SSB is comin' up the last FULL week-end. If interested in operating, let K3RYA know at his QRZ.com or E-Mail address. **BTW: CHECK OUT MY NEW MONTHLY COLUMNS: 'QSL VIA' & 'THE PROPAGATION REPORT' ON PAGES 16 & 17.**I'm outta room.....Thanks for reading.....73 de NB3C.....

New threat to 70cm band emerging in Congress

**National news
(from page 5)**

On February 10, Representative Peter King (R-NY-3), Chairman of the House Homeland Security Committee, introduced HR 607, the *Broadband for First Responders Act of 2011*. The bill been referred to the House Energy and Commerce Committee, which handles telecommunications legislation. HR 607 addresses certain spectrum management issues, including the creation and maintenance of a nationwide Public Safety broadband network. As part of that network, the bill provides for the allocation of the so-called "D-Block" of spectrum in the 700 MHz range for Public Safety use.

The D-Block consists of two, 5 megahertz-wide segments of spectrum (758-763 and 788-793 MHz) that became available when the FCC ended analog television broadcasts in June 2009 and reallocated the 698-806 MHz band for Public Safety and commercial broadband. It was anticipated that the D-Block would be auctioned for commercial use. There are several bills in Congress providing for the allocation of the D-Block for Public Safety use, and HR 607 is one of those. But HR 607 uniquely provides for the reallocation of other spectrum for auction to commercial users, in order to offset the loss of revenue that would occur as the result of the allocation of the D-Block to Public Safety instead of commercial auction. HR 607 lists the paired bands of 420-440 MHz and 450-470 MHz among the bands to be reallocated for commercial auction within 10 years of its passage.

"Of serious concern to the ARRL is the inclusion of the 420-440 MHz amateur allocation in the list of frequencies to be cleared for auction," said ARRL Regulatory Information Manager Dan Henderson, N1ND. "The ARRL and the Amateur Radio community certainly support the work of public safety agencies and understand their desire for an interoperable network; however, the inclusion of most of the amateur 70 cm spectrum as one of the replacement bands is illogical and unacceptable. The 420-440 MHz band is not Public Safety spectrum and should never have been included in any spectrum swap of Public Safety allocations."

Saying that the ARRL Washington team has already begun meeting with key Congressional staff on Capitol Hill, Henderson noted that Amateur Radio already shares the 70 cm band on a secondary basis with the governmental radiolocation services, such as the PAVE PAWS radar systems: "The 70 cm band is a critical and irreplaceable resource for Amateur Radio public service and emergency communications. The specification of the 420-440 MHz band in this legislation is ill-conceived. To be sure, the ARRL will vigorously oppose this legislation in its present form. It is, as evidenced by other legislation, completely unnecessary to the creation of a nationwide Public Safety broadband network or the use by Public Safety of the D-Block for that purpose. The role of the Amateur Service as a partner to Public Safety in the provision of public service and emergency communications necessitates the retention of full access to the entire 420-440 MHz band."

HR 607 is presently cosponsored by the Homeland Security Committee's Ranking Member, Representative Bennie Thompson (D-MS-2) as well as Representatives Shelley Berkley (D-NV-1), Yvette Clarke (D-NY-11), Billy Long (R-MO-7), Candice S. Miller (R-MI-10), Laura Richardson (D-CA-37), Mike Rogers (R-AL-3), and Michael Grimm (R-NY-13).

"As we continue to track the progress of HR 607, I urge ARRL members to watch for further information about the bill on the ARRL website," Henderson said. "When that additional information is released, it will include a request to contact your representative and express opposition to HR 607, as long as it includes a provision to auction off any Amateur Radio spectrum for commercial use. ARRL members may also sign up for the ARRL Legislative Update Newsletter and automatically receive information as it becomes available. Sign up by logging onto the ARRL website and select the 'Edit Your Profile' link located at the top of each page. Once on that page, select the 'Edit Email Subscriptions' tab and click on the box for ARRL Legislative Update." The ARRL Legislative Update is prepared on an "as needed" basis to those who have opted-in to receive it. A new edition addressing HR 607 will be forthcoming soon. ([SEE RELATED ARTICLE ON PAGE 12](#))

⇒ FCC ADDS NEW COUNTRY TO CEPT RECIPROCAL AGREEMENT FOR AMATEURS (FROM PAGE 5)

US amateurs with a General class license will be granted CEPT Novice Radio Amateur License privileges, in accordance with ECC Recommendation (05)06 (as amended). US amateurs holding an Advanced or Amateur Extra class license will be granted CEPT Radio Amateur License privileges in accordance with CEPT Recommendation T/R 61-01 (as amended). US hams who will be traveling to CEPT countries can now go to these links and see if any new countries have been added to the reciprocal agreements.

While operating an amateur station in a CEPT country, the US amateur must have a copy of the Public Notice, proof of US citizenship and evidence of their FCC license in their possession. They must show these documents to proper authorities upon request.

CEPT countries participating in ECC Recommendation (05)06 as of February 7, 2011 are: Belgium, Croatia, Czech Republic, Denmark (including Greenland and the Faroe Islands), Germany, Hungary, Iceland, Liechtenstein, Luxembourg, Montenegro,

Netherlands, Portugal, Romania, Slovak Republic, Slovenia and Switzerland.

CEPT countries participating in CEPT Recommendation T/R 61-01 as of February 7, 2011 are: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark (including Greenland and the Faroe Islands), Estonia, Finland, France (including Corsica, Guadeloupe, French Guyana, Martinique, St Bartholomew, St Pierre and Miquelon, St Martin, Reunion and its Dependencies, Mayotte, French Antarctica, French Polynesia and Clipperton, New Caledonia, and Wallis and Futuna), Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine and the United Kingdom (including Northern Ireland, the Channel Islands and the Isle of Man).

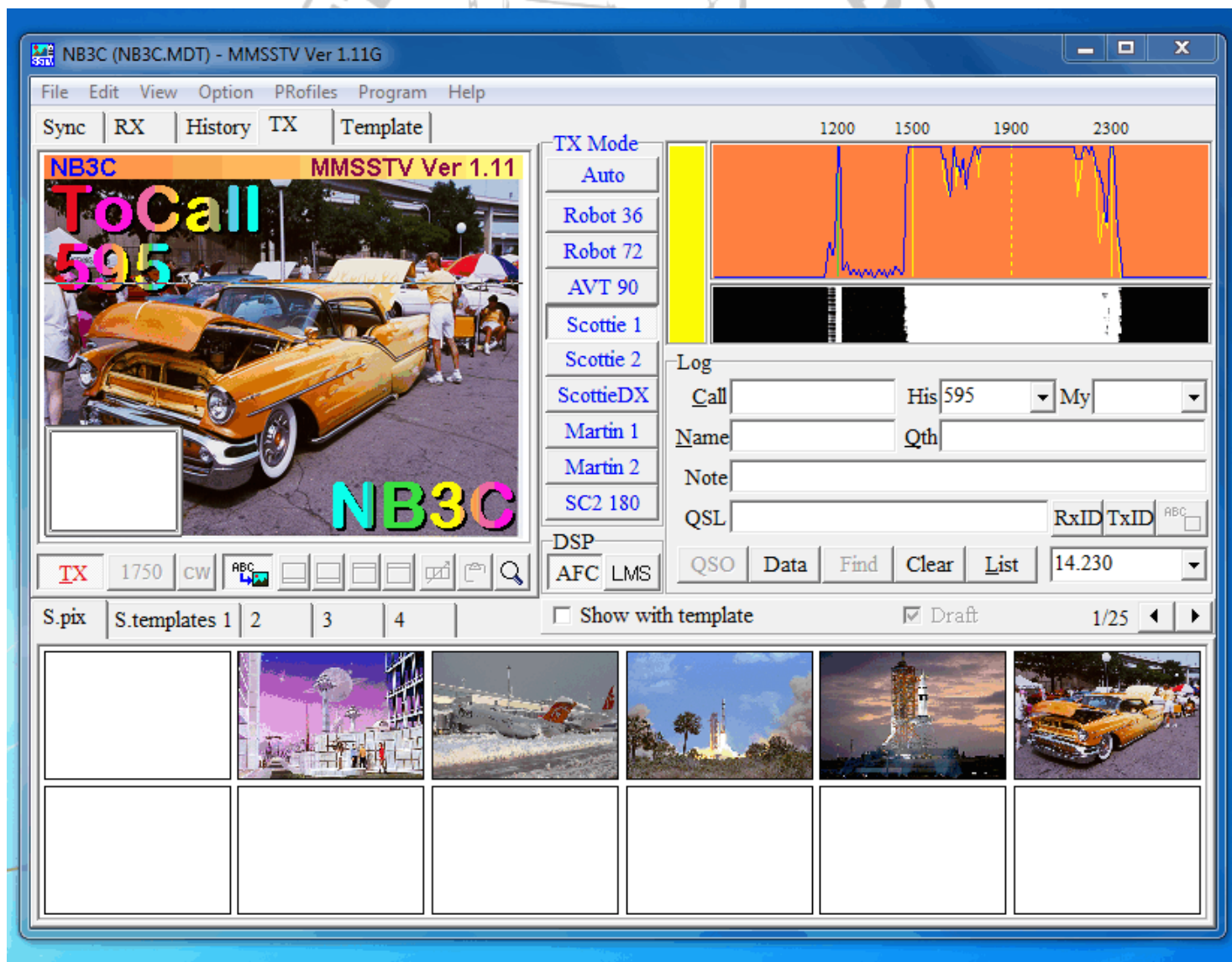
([MORE NATIONAL NEWS ON PAGE 12](#))

Software of the month

A (semi) frequent feature where I try to feature software that I hope those of you who are forced to read my rag will find useful in the shack. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, either pecuniary or monetary, in the software listed and described here. You should know the rest of my spiel by now.....Thanks for reading. 73 de NB3C.

My software pick for this month: MMSSTV
<www.mmhamsoft.amateur-radio.ca/>

MMSSTV is a really neat, FREE program you can download off the internet, and have up and running in just a few minutes. Now, down below is the program running on a Windows 7 machine (Yeah; it'll run just fine on a 32 or 64-bit platform). Right now I have the program set up to transmit the image you see of the classic automobile in the window at the left of the screen. When you set up the program initially, it'll ask you for your callsign, and it will automatically put it into any image you send, just like you see below.



Ever wonder what that 'warbling' sound is around 14230 or 3845KHz? That, my friend, is the sound of **Slow-Scan TeleVision** aka, SSTV. Not really television in the sense we all know it, but rather, its a way of sending single-frame video images over radio.

Now, back in the day of good old-fashioned analog TV, an image was sent at 30 frames per second, with a scan rate of 525 lines per frame. But then there broadcasters had the bandwidth to do it. With our bandwidth, we have to tone it down a little. 1 frame of SSTV can be sent anywhere from 8 secs (B&W) to just under 2 minutes, (RGB color) and occupies about 3KHz of bandwidth.

Down in the little thumbnail windows is where you would load a selection of images from your own personal collection that can be selected to send, simply by clicking on them. Double-clicking on one will send it up to the top window, with the ability to overlay a template of your choosing that contains your call, and a signal report, among other things. That orange-colored window on the top right, is where you can observe your transmitted (and received) signal.

Right now, as seen above, the program is transmitting a picture, (CONTINUED ON PAGE 13)

⇒ ARISSAT-1 DEPLOYMENT POSTPONED

According to the AMSAT News Service, the deployment of the ARISSat-1 satellite from the International Space Station - previously scheduled for Wednesday, February 16 -- has been postponed. The postponement was necessary because of changes in the work schedule for the February 16 space walk. Instead, ARISSat-1 deployment will be added to a spacewalk scheduled for July 2011.

When launched, ARISSat-1 will add another dimension to science classrooms worldwide, in addition to space communications for the Amateur Radio community. Unfortunately this delay will considerably narrow the window of opportunity for US school calendar activities, but may provide opportunities for summer learning activities. The project is a cooperative effort between AMSAT, ARISS (Amateur Radio on the International Space Station,) RSC-Energia (the Russian space agency) and NASA. The design, development and construction of the satellite were done entirely by AMSAT volunteers. Original plans called for the satellite to be hosted inside an old Russian spacesuit. But when the suit became unavailable, the radio equipment was modified and refitted to a newly designed space frame and named ARISSat-1.

After it is deployed from the International Space Station, ARISSat-1 is expected to be operational in orbit for up to six months. For more on ARISSat-1, check out the article from the February 2011 issue of *QST*.

⇒ AMATEUR MF ALLOCATION MOVES A STEP CLOSER

Amateur Radio has moved a step closer to a medium frequency (MF) allocation below the AM broadcast band. During the first week of the Conference Preparatory Meeting (CPM) for the 2012 World Radiocommunication Conference (WRC-12) of the International Telecommunication Union, held in Geneva February 14-25, delegates completed the drafting of nine pages of analysis of the technical and regulatory issues related to WRC-12 Agenda Item 1.23: consideration of a possible secondary allocation to the Amateur Service of about 15 kHz somewhere between 415 and 526.5 kHz. Two possible methods of satisfying the agenda item, along with the possibility of there being no change (and therefore no allocation), are set out in the CPM Report, along with the advantages and disadvantages of each.

What is now called Method A envisions an allocation of up to 15 kHz between 472 and 487 kHz. Method B calls for allocations of 461-469 kHz and 471-478 kHz. Another Method that had been developed at earlier meetings of Working Party 5A of the ITU Radiocommunication Sector, for an allocation of about 15 kHz between 493 and 510 kHz, was dropped from the draft CPM Report because no support for this approach had developed among the administrations participating in the preparatory process. A new digital system centered on 500 kHz is being developed by the maritime radio community, and an amateur allocation, even on a secondary, not-to-interfere basis, was found to be incompatible with the planned system.



"The hard work of a team of radio amateurs led by the International Amateur Radio Union (IARU) -- and with considerable help from friendly administrations -- has gotten us to this point," said ARRL Chief Executive Officer David Sumner, K1ZZ, who attended the first half of the CPM on behalf of the IARU. "While more support will need to be developed among other administrations if we are to achieve an allocation at WRC-12, our prospects are better now than they were a week ago." He gave particular credit to Ken Pulfer, VE3PU, who has coordinated the IARU effort and gained valuable support from the Canadian administration. "Ken and the IARU team have been working on this issue for three years," Sumner said.

ARRL Chief Technology Officer Brennan Price, N4QX attended the CPM as a member of the United States delegation. The US supports what is now called Method B, which also has sufficient support among other administrations in the Americas to have become an Inter-American Proposal of the Inter-American Telecommunication Commission (CITEL). At this stage, what is now called Method A has support from several administrations in Europe, Africa, Asia and Oceania.

WRC-12 will be held in Geneva next year from January 23 to February 17.

⇒ ARRL ASKS MEMBERS TO WRITE IN OPPOSITION TO HR 607 (ALSO SEE PAGE 10)

The ARRL is asking its members to contact their US representatives in opposition to the sections of HR 607 that could affect the Amateur Radio Service allocation at 420-440 MHz. HR 607 -- *The Broadband for First Responders Act of 2011* -- would address certain spectrum management issues, including the creation and maintenance of a nationwide Public Safety broadband network. It was introduced into the US House of Representatives February 10.

ARRL Regulatory Information Manager Dan Henderson, N1ND, clarified that the League opposes HR 607 *in its present form*. "We do not oppose the concept of dedicated spectrum for the development of a Public Safety infrastructure and wireless network. We object to the bill because of the inclusion of 420-440 MHz as part of the spectrum to be swapped and auctioned to commercial users." Below is the contact info for the ARRL's lobbying firm Chwat & Co.:

⇒ Chwat & Co. Contact Information

Because of lengthy screening and security delays for regular US mail to be delivered to congressional offices, the ARRL asks that when you wish to send a letter supporting the ARRL's position on legislation that you send your letter to our Washington lobbying firm, Chwat & Co.

Signed letters to Representatives and Senators may be sent to Chwat & Co.'s offices in one of the following methods:

By US Mail - Send to:

John Chwat
Chwat & Co.
625 Slaters Lane
Suite 103
Alexandria, VA 22314

By Fax - Send to: 703-684-7594

You may also send a signed letter via email to:
<arri@chwatco.com>

(CONTINUED ON PAGE 15)





In the pictures above, you'll see some images that I received on 20M SSTV, around 14230KHz. Are they perfect? No, but they're still pretty clean. Obviously, the stronger the signal, the cleaner the quality of the image. You can see some instances of fading in the above pics. A NICE PROGRAM, EVEN IF ALL YOU WANNA DO IS RECEIVE ONLY, LIKE ME.

using the 'Scottie 1' mode. You can select the mode you wish to use by simply clicking on the appropriate selection located between the orange transmit monitor window and the picture window on the left. Scottie 1 and 2, and Martin 1 and 2 seem to be the most popular modes you'll see used.



The program can be set up to automatically save all of your downloaded images too. Not only that, but you can also log all of your SSTV QSOs right in the program. No need to go back and forth between it and your logging program (unless you want to).

One thing I need to point out: You have to switch between receive windows and transmit windows on the main program; otherwise you ain't gonna see a thing when you're receiving. To do this, simply click on the 'RX' tab above your picture window to view received images. You'll actually see the image form on the screen as it is being transmitted. Then, when you're ready to send, simply click on the 'TX' tab, select an image, template, transmit mode (Scottie, Martin, etc.) & presto; you're ready to go.

Something else I need to point out: It takes a little practice to set up the program so when you're transmitting, your image is not slanting one way or the other. Best way to do this is either with a friend listening to you, or monitor your own transmitted signal on a different radio. By watching your own signal, you'll be able to tweak it as necessary. A little practice is all it takes, and you'll be sending perfect images every time. (SEE HELP MENU.)

When sending a picture, you simply go to the thumbnail images at the bottom, click on the 'S.pix' tab, double-click the image you wish to send, then click on 'S. templates', double-click on the template you like and the program will overlay the template on the picture. Click on the 'TX' button and you're good to go.

When receiving, click on the 'RX' tab above the picture window, and make sure that the 'AUTO' button is selected (between the picture window and the orange signal monitor window). When selected as such, it'll automatically start to receive in the proper mode. Whether it is hearing Scottie or Martin modes, it'll automatically select the proper one and start to receive it.

If you're running Windows Vista or 7 on your machine, you'll notice that attempting to adjust the soundcard audio levels from the 'Options' drop down menu will not work. That's because Microsoft changed the sound drivers in these platforms. You'll have to adjust your settings from the volume control panel in Windows itself. If you're running XP, everything will work within the program as advertised. (FIXED IN THE LATEST VERSION-Ed.)

I've included a chart of all the common SSTV transmissions modes you'll likely hear on the HF bands; this can be seen on [page 14](#). BTW: Check out the Website of the month article on [page 16](#). That's the website where you can download MMSSTV. (CONTINUED ON PAGE 14)

Software of the month (from page 13)

Family	Developer	Name	Color	Time (seconds)	Lines
AVT	Ben Blish / AEA ²	8	BW or 1 of R, G, or B	8 s	128×128
		16w	BW or 1 of R, G, or B	16 s	256×128
		16h	BW or 1 of R, G, or B	16 s	128×256
		32	BW or 1 of R, G, or B	32 s	256×256
		24	RGB	24 s	128×128
		48w	RGB	48 s	256×128
		48h	RGB	48 s	128×256
		104	RGB	96 s	256×256
Martin	Martin Emmerson	M1	RGB	114 s	240 ¹
		M2	RGB	58 s	240 ¹
Robot	Robot SSTV	8	BW or 1 of R, G or B	8 s	120
		12	YC	12 s	128 luma, 32/32 chroma × 120
		24	YC	24 s	128 luma, 64/64 chroma × 120
		32	BW or 1 of R, G or B	32 s	256 × 240
		36	YC	36 s	256 luma, 64/64 chroma × 240
		72	YC	72 s	256 luma, 128/128 chroma × 240
Scottie	Eddie Murphy ³	S1	RGB	110 s	240 ¹
		S2	RGB	71 s	240 ¹

Note 1: Martin and Scottie modes actually send 256 scan lines, but the first 16 are usually grayscale.

Note 2: AEA: Advanced Electronics Applications, Lynnwood WA., no longer in business. (Purchased by Timewave.)

Note 3: Eddie Murphy, from Scotland, not Eddie Murphy the actor.....(HA HA)

Space prohibits me from going into the setup here. Suffice it to say that there is a fine help program included with it, and as always, I'll be glad to help out any way I can. E-Mail me at <KQ3DX@hotmail.com>. We'll discuss it over lunch. You're buyin! (HA HA). Thanks for reading along (or not)! 73 de NB3C. (THE ABOVE CHART IS COURTESY OF THE WIKIPEDIA WEBSITE.)



Some more pics I copied
from 20M.

<<<<<<<<>>>>>>>>



⇒ ARRL ASKS MEMBERS TO WRITE IN OPPOSITION TO HR 607 (PAGE 12)

⇒ SOME FAQs ON CONTACTING YOUR LEGISLATORS

Q. Why are we asked to send letters to Chwat & Co to deliver to our members of Congress? Why should I do that instead of contacting my member directly?

A. There are several reasons. First, when letters from constituents are hand-delivered to a Congressional office, it gives our Washington team the opportunity to have some direct "face time" with the Congressperson and/or their key staff. Hand delivering a stack of letters supporting a bill makes a greater impact than having those letters trickle in through the US mail system.

Because of security concerns, when you mail a letter to your member of Congress, it is automatically directed to a warehouse in Maryland for security screening, including tests for possible dangerous substances. This can delay delivery of even routine letters by up to six weeks.

Q. I noticed on my Congressperson's website a form where I can send in my comments using a web form. Should I use that instead of mailing a letter to Chwat?

A. While those web forms are convenient for constituent use, our Washington team says they really are not effective communications for a concerted lobbying effort. Again, the impact of several dozen letters being hand-delivered to the Congressional office is far more effective than a web form or telephone calls to their office.

Q. I have sent my letters to Chwat's office as directed in the past, but never heard back from the Congressman's office. Should I be concerned that my letter wasn't delivered?

A. Rest assured that all letters received by our Washington lobbyist's office are delivered to the appropriate Congressional office. Different members of Congress are not always as efficient as others in sending acknowledgements to their constituents.

⇒ LISTED BELOW ARE THE LINKS TO CONTACT YOUR CONGRESSMAN OR SENATOR:

<<https://writerep.house.gov/writerep/welcome.shtml>>

<http://www.senate.gov/general/contact_information/senators_cfm.cfm>

⇒ THREE YACHTSMEN KILLED BY SOMALI PIRATES WERE HAMS

Four Americans -- including three Amateur Radio operators -- who were being held hostage on their yacht by pirates off the coast of Oman have been killed. Scott Adam, K9ESO, and his wife Jean, KF6RVB, along with Bob Riggle, KE7IIV, and Phyllis Macay were on board the S/V *Quest* when pirates boarded their vessel on Friday, February 18. The Adams were based in the Los Angeles area; Riggle and Macay were from Seattle.

According to the US Central Command, the boat was in the Indian Ocean, headed toward the Somali coast when on Friday, the 58 foot yacht sent a distress signal. The boat was being trailed by US Navy forces; it was about a

two day sail from the Somali coast. They had begun tracking the yacht after being alerted that a Danish naval helicopter had seen the *Quest* off Oman under the pirates' control. The Central Command oversees US anti-piracy operations in the Indian Ocean.

Officials were in the process of negotiating for the Americans' release when gunfire was heard around 1 AM (EST) on Tuesday, February 22. "As (US forces) responded to the gunfire, reaching and boarding the *Quest*, the forces discovered all four hostages had been shot by their captors," a statement from US Central Command said. "Despite immediate steps to provide life-saving care, all four hostages ultimately died of their wounds."

PA. MOBILE OPERATION THREATENED

I have been made aware of a proposed bill introduced into the Pa. Senate by Sen. Ferlo. The legislation designated as Senate bill (SB583) would prohibit the operation of any communications device while mobile. The legislation does not exempt Amateur Radio in any manner and needs to be quickly amended to protect our rights. This bill has been referred to the transportation committee and needs to be defeated or revised.

The text of the proposed bill is available at <<http://www.legis.state.pa.us/>> in the top right you can search for the SB583 and then see a complete copy of the bill. I also have the text available as a .pdf for anyone needing a copy.

You can then see a complete copy of the text of the proposed bill.

I urge everyone to voice their concerns with regard to this proposed legislation as well as to spread the word about this threat to our operations for both emergency and general use.

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

⇒ NEW ZEALAND AMATEURS ASSIST IN EARTHQUAKE'S AFTERMATH

A 6.3 magnitude earthquake struck the Canterbury region in New Zealand's South Island on Tuesday, February 22 at 12:51 PM local time (2351 on February 21 UTC). According to IARU Region 3 Disaster Communications Committee Chairman Jim Linton, VK3PC, 10 radio amateurs are using their two emergency broadcast vans to keep rescue teams and Civil Defense staff in touch. One is at a major welfare center, providing portable communication so they can talk to Civil Defense, and the other vehicle is on its way to assist search-and-rescue teams in an area where communication is poor.

"Richard, ZK4FZ, said Amateur Radio operators from around the country are volunteering to help out," Linton said. "Others are sending updates on the disaster to families of people in Christchurch who are overseas."

Website of the month

A (semi) frequent feature where I try to highlight websites I hope you'll find useful and informative. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, either pecuniary or monetary in this here website, etc., etc., ad infinitum. Thank you for your attention73 de NB3C.

If you're paying attention, you'll probably notice that I highlighted this one a year or two back. But since the software featured in this month's 'Software of the month' article is downloaded here, I thought I'd feature it again.

The MMHamSoft website:

<<http://mmhamsoft.amateur-radio.ca/>>

Not only can you download MMSSTV, which is featured in this month's 'Software of the month' column ([page 11](#)), but you can also get some other pretty cool programs here too, such as 'MMTTY', which you can use for RTTY, and 'MMVARI', which can be used for RTTY, and BPSK too, among others. BTW: All of these downloads are FREEBIES! Free stuff is great!

Looking for a free antenna analyzer program? Check out 'MMANA-GAL'. A nice little description of this program is available on the website, and you can see what the program looks like and what info it displays. (So do the other programs you can download.) Another cool program you can download and play with is 'DSP-Filter', a PC-based DSP filtering program.

Something else worth mentioning: There's a whole bunch'a add-on programs you can get, such as interfaces for Ham Radio Deluxe & DXKeeper, not to mention a program that you can use to remote control MMTTY or MMSSTV from a remote computer via the internet.

Bookmark it and check it out; I think (I hope) you'll find it useful. That's it this month. Thanks for reading along (or skipping over). 73 de NB3C.....

NEXT VE SESSION: MARCH 14, @ THE CLUBHOUSE. TESTING STARTS AT 7:00PM. PLEASE PLAN TO ARRIVE BY 6:45PM TO COMPLETE ALL THE NECESSARY PAPERWORK. THE VEs ASK THAT YOU PLEASE PRE-REGISTER TO GUARANTEE YOUR SESSION. ALL DISABILITIES MUST BE PRE-REGISTERED. FOR MORE INFO, SHOOT AN E-MAIL TO MARK, AI3J AT: <ai3j@w3kwh.com>, OR YOU CAN RING HIM ON: 412-833-6049.

Propagation report

Solar activity is on the rise again, but the average sunspot and solar flux numbers are down, compared with last week. This week, the average daily sunspot number declined more than 14 points to 50.9, and the average daily solar flux was off 7 points to 96.8. The average daily planetary A index rose from 6.1 to 9, and the average mid-latitude A index was about the same, declining from 5.4 to 5.1. The most active day for geomagnetic indexes was March 1, with a planetary A index of 31. The planetary K index rose as high as 6 on that day. NOAA and USAF predict solar flux at 115 on March 3, 120 on March 4-10, 110 on March 11-15 and 105 on March 16-17. The planetary A index is forecast at 15, 12 and 10 on March 3-5, 5 on March 6-13 and 7 on March 14-15. The monthly average of sunspot numbers for December through February was 22, 32.2 and 53.5. Look for more information -- including a take on why Solar Cycle 24 has been so weak -- on the ARRL website on Friday, March 4. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page: <www.arrl.org/propagation-of-rf-signals>.

Propagation info is from the ARRL
Bulletin and is ©2011 ARRL.

DX news (from pg. 6)

- ⇒ [COLOMBIA, HK](#). Cody, KC2LSD is QRV as HK3/KC2LSD from Bogota until March 17. Activity is on 40 to 10 meters using all modes. This includes an entry in the ARRL SSB DX contest. QSL to home call.
- ⇒ [ITALY, I](#). Special event station IO4UI is QRV until September 30 in celebration of the 150th anniversary of the unification of Italy. QSL via I4JEE.
- ⇒ [ANTARCTICA](#). Lars, SM4TUV is QRV as 3Y8XSA from the Troll station on Dronning Maud Land, IOTA AN-016, until the end of 2011. QSL to home call.
- ⇒ [COSTA RICA, TI](#). A group of operators are QRV as TI8M. Activity is on all bands. In addition, they will be active in the ARRL SSB DX contest. QSL via TI2KAC.
- ⇒ [ANTIGUA AND BARBUDA, V2](#). Bob, W4OWY and Mark, W9OP will be QRV as V25WY and V25OP, respectively, from March 8 to 18. Activity is on 160 to 6 meters using CW, SSB and RTTY. QSL to home calls.
- ⇒ [NAMIBIA, V5](#). Gert, ZS6AYU will be QRV as V5/ZS6AYU from March 6 to 16. Activity will be holiday style during his late afternoons and early mornings on 30 to 15 meters using CW. QSL direct to home call.
- ⇒ [ALBANIA, ZA](#). A group of operators will be QRV as ZA/I2GPT from March 9 to 13. Activity will be on 40, 30, 20 and 17 meters using CW and SSB. QSL via I2GPT.
- ⇒ [NEW ZEALAND, ZL](#). John, 9M6XRO will be QRV as ZL/GD3OOK from Waiheke Island, IOTA OC-201, from March 7 to 11. Activity will be on the HF bands. QSL direct via M0URX.

9A50Z via 9A1CAZ (Bureau)
 9K2/SP4R via SP4GFG
 C56EME via PA3CEE
 CE3G via CE3WDH
 CR2A via OH2BH
 CR3L via DJ6QT
 CS2C via OK1RF
 CT9/DL5AXX via DL5AXX
 DR40AGCW via DL3BZZ
 EA8OM via DJ1OJ
 ED8A via EA8AY (LoTW only)
 GB0ANT via M0OXO
 HB0/HB9LCW via HB9LCW
 HB10K via EA7FTR
 HG0A via HA5JI
 HG3A via HA-Bureau
 HG7T via HA7TM
 HK3ARR via YV5ARR
 HS0ZGQ via DK8MZ
 I12V via IK2AQZ
 IO2ANT via I2AZ
 IP2ANT via IK2QPR
 IP3ANT via IN3UFW
 J6/DL1VKE via DL1VKE
 KH2/N2NL via W2YC
 KH6LC via WA6WPG
 KH7X via K2PF
 LA/LY1AKM via LY1AKM
 LS1D via LW9EOC
 LY100SP via LY3BY
 NH0S/KH2 via JF2SKV
 OE/DB2TK/P via DB2TK
 OL8M via OK1DRQ
 PA6R via PI4RTD
 PA6Y via PI4RCK
 PI4DX via PD1DX
 PY1/DJ4CW via AI4U
 PZ5P via UA4LU
 S9DX via DL1RTL
 SD0R via SM0KCR
 SN51MHN via SQ7MHN
 TF3CW via LX1NO (direct only)
 TI5A via TI5KD
 TJ9PF via F5OGL
 TM0R via F5GGL
 TM3T via F5UQN
 TM90RCNF via F8KKH
 TT8DX via DJ6SI
 VP9/W6PH via W6PH
 W0S via JA1HGY
 W7A via AI4U
 ZA1E via I2MQP
 ZF2AM via K6AM

QSL info appears courtesy of
 the 425DX news and the
 Ohio-Penn DX Bulletin.
 Thanks to both for
 permission to use here.

CALL	MANAGER	CALL	MANAGER	CALL	MANAGER
1A0KM	IK0FTA	CR2X	OH2BH	OY4TN	M0URX
3B8/EA3BT	EA3BT	CR5WFF	CT1EJB	OY6FRA	OY1JD
3B8/EA3WL	EA3BT	CR6A	CT1GFK	P29CS	M0URX
4J8VHF	RW6HS	CU2KG	OH2BH	P40CG	W2CG
4L50	N3SL	CU6NS	EA5KB	P40YL	AI6YL
4S7BRG	LZ3HI	CX7OV	EA5KB	PJ2/DF7DQ	EA5GVH
4S7KKG	DC0KK	DQ1175E	DL5DCL	PP5EG	K3IRV
4S7LRG	SM6LRR	E51KJD	KE6KJD	PR150PLM	PR7AYE
5B4AIF	EB7DX	E51SC	G4KIU	PR5S	PR7JP
5B4AJC	UA3DX	E76MB	E77E	PY7ZBK	HB9BEI
5H1Z	F6AML	E79D	E77E	RI1ANC	RN1ON
5H3EE	DL4ME	EA8OM	DJ10J	RI1ANR	RK1PWA
5N7M	OM3CGN	EK6LP	RN4LP	RI1FJ	UA2FM
5R8FL	G3SWH	EK6TA	DJ0MCZ	RL3A	W3HNK
5R8HL	SM1ALH	EM44U	UT7UT	SI9AM	SM3CVM
5R8PR	IK2QPR	EP3PK	IK2DUW	SP9YFF	SQ9IDG
5R8UI	IZ8CCW	ER4KAA	RA4LW	SV0XCA/5	LZ1WL
5W8A	YT1AD	EX8VZ	RW6HS	T30HC	DL9HCU
7P8JW	N6JW	FH/DH1BL	DL7BC	T88ME	7N1RTO
8P9ME	N3ME	FM4LV	W3HNK	T88RX	JE1RXJ
8P9UR	W3UR	FM5WD	W3HNK	T88TF	JA1VND
8Q7VR	UR9IDX	F08RZ	F8BPN	TG9NX	N4FKZ
9A3BSL	N2RIT	GB0LB	G0BRC	TT8FC	EA4AHK
9J2KK	JK1NSR	GB2HLS	M0HFC	TY5ZR	IK2IQD
9K50UU	9K2UU	GX4KPT	M0DOL	V31BD	K5WW
9M2/R6AF	R6AF	H2E	5B4AGE	V44KAI	W5TFW
9M2ADX	JH8PHT	H44DX	VK4FEAT	V85AVE	EA7FTR
9M6RHM	NI5DX	H44MS	DL2GAC	V85RY	EA7FTR
9M6TMT	NI5DX	HG3DX	HA1DAE	VK6ANC	VK6IR
9M6XRO	M0URX	HI0UD	ON4IQ	VK8NSB	M0URX
A410F	NI5DX	HK1MW	K4AMW	VK9XA	JA3BZO
A61Q	EA7FTR	HK3JCL	DK8LRF	VK9XL	JH3PBL
A73A	EA7FTR	HP3AK	W4JS	VP80RK	VE3XN
AX6IR	VK6IR	HV0A	IK0FVC	VU3DJQ	EA7FTR
C6AGN	W1DIG	HZ1ZH	EA7FTR	VY2NU	YT6W
C6AGU	HA7RY	JW7QIA	LA7QIA	XT2RJA	K3QF
C6AKQ	N4BP	JY4NE	K3IRV	XU7KOH	ON7PP
C6ANM	WA2IYO	KH0WW	JP1IOF	XX9LT	XX9AH
CN2DJ	F8AEJ	KL5DX	N5XZ	YB0AKM	EA7FTR
CN8KD	EA5XX	KP2M	AI4U	YI1RZ	IK2DUW
CN8NK	EA5XX	KP4BD	EA7FTR	YS3CW	I2JIN
CN8QN	EA7FTR	LZ12EYAC	LZ1BJ	ZF2LC	W2SM
C06WD	8P9NX	NP3CW	EB7DX	ZL9BI	pirate
C08LY	EA7ADH	NP4A	W3HNK	ZL9BS	pirate
CP4BT	EA5KB	OY10F	M0URX	ZP5K0	PY4KL

4S7NE Nelson Ranasinghe, 140 Armitage Drive, Glendenning NSW 2761, Australia
 7X4AN Mohamed Boukhiar, P.O. Box 30133, 08080 Barcelona, Spain
 8R1Z Lennox O'Brian Smith, Lot 74 D'Urban Street, Wortmanville, Georgetown, Guyana
 9Y4VU Franklyn Brooker, 45 Sea View Drive, Battoo Lands, Marabella, Trinidad and Tobago
 A45XR Krzysztof Dabrowski, P.O. Box 2038, CPO 111, Oman
 A92IO Dave Court, P.O. Box 31183, Budaiya, Bahrain
 EA3NT Christian Cabre, P.O. Box 1243, 43080 Tarragona, Spain
 IK0FTA Sergio Roca, Ufficio Roma Nomentano, Casella Postale 7132, 00162, Roma RM, Italy
 TC2011EWU P.O. Box 76, 16105 Gencosman / Bursa, Turkey
 VE3XN Garry Vernon Hammond, 5 McLaren Avenue, Listowel ON N4W 3K1, Canada

- ⇒ **PJ4D QSL STATUS:** Joe, W3HNK, informs that he has received the long-awaited PJ4D cards from his printer and is attempting to clear all the cards out over the past weekend!
- ⇒ **QSLs VIA LoTW:** 5V7TT, 7Z1HL, A35AY, AH0BT, DL1TRK, J79EA, FG4NO, IQ8PQ, JA1CQK, JA1RTX, JA9GLW, JH3EDG, JW8AJA, LA6XAA, LA8OM, MD0CCE, MW0ZZK, OM3DX, R0/KE5JA, SM4CTT, TF4Y, V31YN/P, VK2GWK, XU7ACY, ZF2LC, ZL50VK and ZL8X
- ⇒ **QSLs RECEIVED VIA MAIL:** 5C5W, A35AY, A61Q, BT4EXPO, C6ANM, CN8KD, E71A, EW8A, IM0/OL5Y, KL7RRC/P, LU3JVO, MU/F5CWU, PJ2T, PJ5/AH6HY, PJ7E, TG9NX, VK9XXY, YS1/HB9KNA and ZD9T

The future country of Southern Sudan

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

As reported widely in the world press, the results of the recent referendum on the future of the Southern Sudan region are now public, and with an overwhelming majority, the people have readied the way for another independent state. Also, the current mother country, the Republic of Sudan, has agreed to honor the referendum results while the President of the United States has pledged U.S. recognition of the new country in July, 2011.

The current plan calls for that country to declare its independence on July 9 this year, likely to be followed by its well-prepared entry to world organizations, such as the United Nations. Several alternative names for the new republic are still under consideration – probably the name Sudan will not be part of the new republic's nomenclature.

With that scenario in mind, a working group has been established to enable Amateur Radio to enter the scene with a professional, supportive role in the context of introducing the new country to the world of Amateur Radio. It should be noted that this potential new country is emerging with a limited administrative structure, and the first Amateur Radio activation should - prior to the operation - be accompanied with a well-thought-out plan prepared in partnership with Southern Sudan's relevant authorities, such as telecommunications, security and education.

The group of Alex, 5Z4DZ/PA3DZN; Robert, S53R and Martti, OH2BH has organized such an effort in discussions with Southern Sudan's institutions and other related parties in the region.

Many of Southern Sudan's current institutions are represented in Nairobi, the home base of 5Z4DZ. Nairobi makes a practical hub for the project, facilitating the conduct of negotiations and travel to Juba, the region's future capital.

S53R and his team, with several well-known hams, are based in the region and maintain the telecommunications structure for UNWFP with related professional contacts. Their regional offices are in Southern Sudan with all needed facilities and equipment.

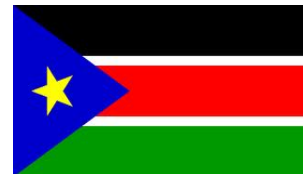
The plan is to use OH2BH's past work and material for the establishment of Amateur Radio in evolving societies as a Foundation for assisting the newborn nation to draft and utilize Amateur Radio to its full potential in a professional setting when Southern Sudan joins the international family of nations.

As public interest in Southern Sudan will run high over the next several months, this group has invited Bernie, W3UR to be its spokesman in dealings with the Amateur Radio community. The group will also be holding discussions about the provision of potential help to Southern Sudan's prospective Amateur Radio Service with several entities, such as NCDXF, in addition to obtaining resources from Japan.

The group wants to encourage the DX community to closely follow the rather complicated process unfolding around the emerging new nation, and hopes for a peaceful continuation of the process as the official referendum results are announced, leading up to the ultimate declaration of independence by the new country.

Updates will be released from time to time between now and July, and it is predicted that prospects for a new DXCC counter are some months away with preparations well underway.
(SEE RELATED ARTICLE ON PAGE 9)

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Written by Bernie McClenny.



Got some interesting DXpeditions coming

Got some interesting DXpeditions coming up in the near future. Check out these websites for further developments (JUST CLICK ON 'EM):

<<http://arsi.info/dxpeditions/vu4pb-mar-2011>> ANDAMAN ISLANDS
<<http://www.cy0dxpedition.com/>> SABLE ISLAND
<<http://7o7s.de/>> SOCOTRA ISLAND (AF-028) (YEMEN)
<www.intrepid-dx.com> SOUTHERN SUDAN
<www.t32c.com> CHRISTMAS ISLAND (Pacific Ocean)

P5RS7
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

Ops needed for Pittsburgh Marathon

The Pittsburgh marathon is back for another run this spring! May 15, 2011 will be the date of the marathon's 22nd running, and with registration already exceeding last year's participation of over 15,000 runners, it will be the largest in the history of the event. Once again, amateur radio has been asked to help make this event a success.

We will be providing communications vital to ensuring the safety of both the athletes running in the marathon and of the many spectators. There are many positions around the 26.2 mile course that need to be covered, including mile markers, aid stations, buses and sweep vehicles, shadows for race officials, and others. To fully cover all of these positions, we will need over 150 volunteer amateur radio operators, including you!

If you're new to the hobby or have never participated in a public service event, please don't let that stop you from joining us. We have a variety of positions for new and experienced hams alike, and will provide you with the information and support you need. This is an excellent opportunity to gain the experience needed to help out during an emergency, all while having fun and doing a service to our community.

Online registration is quick and easy. Just visit <marathon.central.org>, click "Volunteer Now!", and fill out the form. You will receive your assignment and detailed instructions in early May, 2011. There will also be a pre-race meeting the day before the marathon, at which we'll review what to expect on race day, answer any questions you have, and provide your T-shirt, hat, and marathon credentials.

I'm trying to recruit around 150 hams to help with this year's Pittsburgh Marathon, which will run on May 15, 2011, and would appreciate your assistance.

Jeffrey Hutzelman N3NHS <jhutz@cmu.edu>

Amateur Radio Coordinator, Pittsburgh Marathon

How did we make out in the Breezeshooters G/W test?

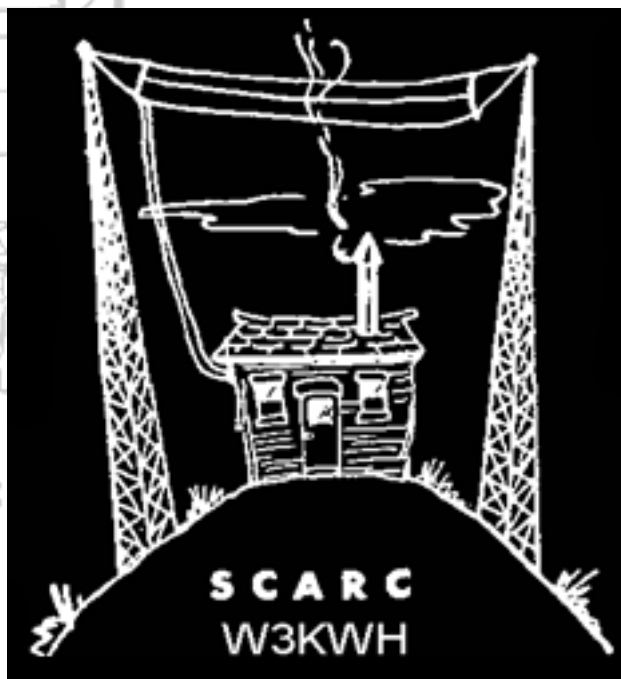
Results of SCARC's participation in the 2011 Breeze Shooters ground wave CW test held 2-19-11:

Four SCARC members Carl WA3VXJ, John KB3VHT, Mac W3MAC, and Art WA3BKD went at it with the Hams in the tri-state area for the annual B.S. ground wave contest. SCARC worked just about everyone taking part in this local test. The intrepid crew made 21 contacts for a total of 36 points. As is the case with all contests we take part in, fellowship and food was a big part of the evening.

March 19, 2011 will be the B.S. SSB ground wave contest. Lets put W3KWH on the air and show 'em how its done.....

73 Art WA3BKD

Interested in operating? Let our contest coordinator Bill, K3RYA know. You can send a note to the club reflector, or you can drop him a note at his QRZ.com address. Same goes for the upcoming CQ WPX SSB test on March 26-27.



It's very important to write your elected officials about the threats facing us here in Pennsylvania, and nationally on 440MHz! See pages 12 & 15 for contact info. Don't delay, write today!



**I WANT YOU
ELECTED REPS
TO LEAVE
440MHZ ALONE**

www.says-it.com/unclesam/

February 2011
 S M T W T F S
 6 7 8 9 10 11 12
 13 14 15 16 17 18 19
 20 21 22 23 24 25 26
 27 28

March 2011

The Steel City ARC March Contest/Event Planner

April 2011
 S M T W T F S
 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 WACOM 2M Net Skyview Business Meeting WACOM 10M Net 222 Tuesday AGCW YL-CW Party	2 SCARC Social Nite NHARC Business Meeting Alleg Co ARES Net QRP Fox Hunt 144 Wednesday	3 WACOM Business Meeting	4 QRP Fox Hunt	5 ARRL Int'l DX Test SSB Wake-Up QRP Sprint
6 ARRL Int'l DX Test SSB WASH 2M Net DARC 10-Meter Digi Test SARL Hamnet 40m Simulated Emerg Test	7 Breezeshooters Net GPVHF Business Meeting RSGB 80m Club Champ. Digi	8 WACOM 2M Net WACOM 10M Net 222 Tuesday ARS Spartan Sprint	9 SCARC Social Nite Alleg Co ARES Net QRP Fox Hunt CWops Mini-CWT Test AWA John Rollins Memorial DX Test 144 Wednesday	10 WASH Business Meeting CWops Mini-CWT Test AWA John Rollins Memorial DX Test	11 QRP Fox Hunt	12 END EST: SPRING FWD 1 HR B-4 BEDTIME AGCW QRP Contest ARCI HF Grid Sq. Sprint AWA John Rollins Memorial DX Test (also 3/ 13)
13 DST BEGINS WASH 2M Net EA PSK31 Contest SKCC Weekend Sprint NA Sprint RTTY WI QSO Party	14 Breezeshooters Net WI QSO Party NAQCC-EU Monthly Sprint	15 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	16 Alleg Co ARES Net RSGB 80m Club Champ. CW 144 Wednesday	17 NAQCC Straight Key/Bug Sprint	18 SARL VHF/UHF Analog Contest	19 Breeze Shooters G/W SSB SARL VHF/UHF Analog Contest 10-10 Int. Mobile Test BARTG HF RTTY Contest Russian DX Test AGCW VHF/UHF Test
20 Spring Equinox 1332 EDT WASH 2M Net SARL VHF/UHF Analog Contest BARTG HF RTTY Contest Russian DX Test	21 Breezeshooters Net BARTG HF RTTY Contest VA QSO Party	22 WACOM 2M Net WACOM 10M Net 222 Tuesday	23 SCARC Social Nite Alleg Co ARES Net SKCC Sprint 144 Wednesday	24 RSGB 80m Club Champ. SSB	25	26 CQ WW WPX Test SSB WASH Breakfast
27 CQ WW WPX Test SSB WASH 2M Net	28 Breezeshooters Net QRP Homebrewer Sprint	29 WACOM 2M Net WACOM 10M Net 222 Tuesday	30 SCARC Social Nite Alleg Co ARES Net 144 Wednesday	31		

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
 & <www.sk3bg.se/contest>

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

April 2011

The Steel City ARC April Contest/Event Planner

May 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	2 ARCI Spring QSO Party SP DX Contest MO QSO Party
3 2 Rivers ARC Hamfest WASH 2M Net ARCI Spring QSO Party SP DX Contest MO QSO Party	4 Breezeshooters Net GPVHF Business Meeting RSGB 80m Club Champ CW	5 WACOM 2M Net Skyview Business Meeting WACOM 10M Net 222 Tuesday	6 SCARC Social Nite NHARC Business Meeting Alleg Co ARES Net 144 Wednesday	7 WACOM Business Meeting SARL 80m QSO Party	8	9 MT QSO Party JIDX CW Contest NM QSO Party EU Spring Sprint CW GA QSO Party
10 WASH 2M Net MT QSO Party JIDX CW Contest NM QSO Party GA QSO Party Hungarian Straight Key Test	11 Breezeshooters Net	12 WACOM 2M Net WACOM 10M Net 222 Tuesday	13 SCARC Social Nite Alleg Co ARES Net 144 Wednesday NAQCC Straight Key/Bug NAQCC-EU Monthly Sprint RSGB 80m Club Champ SSB	14 WASH Business Meeting	15	16 Holyland DX Contest TARA Skirmish Digital Prefix Test ES Open HF Championship EU Spring Sprint MI QSO Party Ontario QSO Party
17 WASH 2M Net Michigan QSO Party Ontario QSO Party ARRL Rookie Roundup SSB	18 Breezeshooters Net	19 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	20 Alleg Co ARES Net 144 Wednesday	21 RSGB 80m Club Championship Data	22	23 10-10 Intl Spring Contest Digi SP DX RTTY Contest Helvetia Contest NE QSO Party
24 WASH 2M Net 10-10 Intl Spring Contest Digi SP DX RTTY Contest Helvetia Contest NE QSO Party	25 Breezeshooters Net	26 WACOM 2M Net WACOM 10M Net 222 Tuesday	27 SCARC Social Nite Alleg Co ARES Net 144 Wednesday	28	29	30 WASH Breakfast QRP to the Field (also 5/1) FL QSO Party (also 5/1) BARTG Sprint 75

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
& <www.sk3bg.se/contest>

Stark County VHF QSO Party



Make as many contacts as you can on 2 Meter FM Simplex!

Stark County contacts are worth **2 Pts**,
all others are worth **1 Pt!**

36 Multipliers!

3 Bonus Stations Will Be On The Air!

Download Entry forms, Rules, and Information at:

<http://www.w8lky.org/2mcontest/aarc2mtrtest.pdf>,

or

e-mail: 2mcontest@w8lky.org!

Sponsored by:

The Alliance Amateur Radio Club

2mcontest@w8lky.org

www.w8lky.org



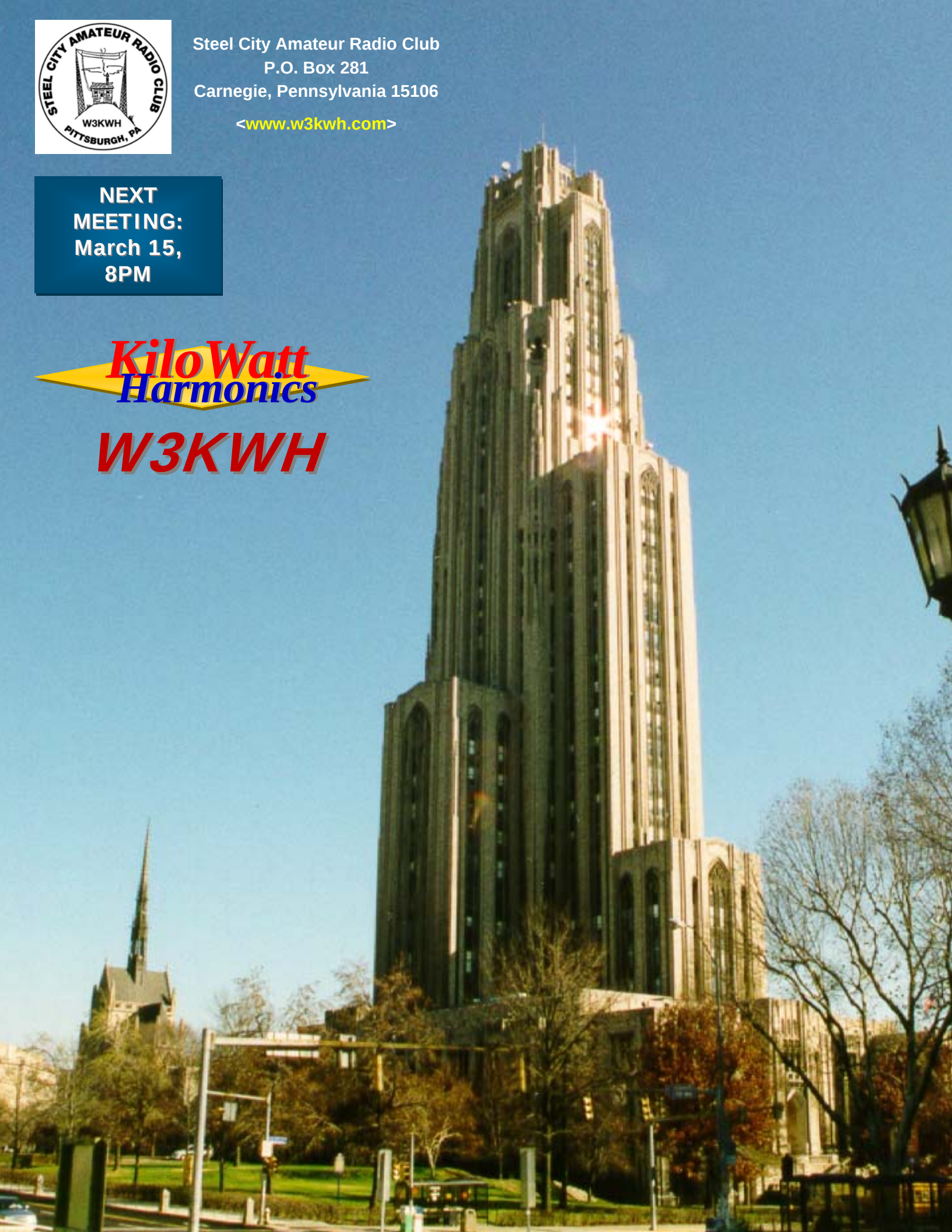
Steel City Amateur Radio Club
P.O. Box 281
Carnegie, Pennsylvania 15106

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

**NEXT
MEETING:
March 15,
8PM**

***Kilo Watt
Harmonics***

W3KWH



***Use the 2011 dues renewal
form on the other side to
renew your club membership.***



SCARC DUES RENEWAL FORM FOR THE CALENDAR YEAR 2011

NAME: _____ **CALL:** _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE NUMBERS:

Day _____ **Evening** _____

BIRTHDATE: _____ **LICENSE CLASS:** _____ **EXPIRES:** _____

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:

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.**