



QSP



February 2012

QSP On-Line at: <http://www.centalksarc.com/qsppage.htm>

The February Meeting is
Friday Feb. 24th at
KWU's Peters Science
Hall Room 211

February VE Report

For the February 8th Session:

We drew a blank. No one for Testing.

Next Exam session is:

Wednesday March 14th, 2012, at 7:00 PM, at the Saline County Sheriff's Office Classroom.

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Sid NØOBM VE Team Leader

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Minutes of the January Meeting

The Meeting was called to order by Paul, KS1P, the new President at 7:30. with Pledge of Allegiance followed by a round of introductions. Paul then introduced new officers to the rest of the club. John, KCØJNK, Vice President, Alvin, WØME, Secretary, Mitch, KAØIFW, Treasurer.

Then Mitch, KAØIFW, gave the Treasurer's Report:

\$814.84 in the Checking Account, and \$1048.64 in the Savings Account.

Mitch received two pieces of mail, the Johnson Co. News Letter and a bill for the Post Office Box rental for the year (which he paid).

The Secretary's Report was approved as printed in QSP.

Sid, NØOBM gave the VE/EC Report:

The December VE Testing results were listed in the January Issue of QSP, because the December issue was "put to bed" before the results of the session were back from the FCC. The next VE Test session will be on Feb 8th with the CKARC board meeting to follow. On February the 22nd, the National Weather Service Wichita Office will present "Storm Fury on the Planes" 2012 edition in Salina at the 4H Building in Kenwood Park at 6:30 PM CST.

John, KDØMTA, has agreed to be the Field Day Chairman for 2012, so lets all help John with Field Day.

Mike, KBØLZQ, has agreed to be the Activities Director for this year.

A special "Thanks" to Ron and Kathleen for being our hosts for this evening's meeting!

Tonight's Program was by our Vice President, John, KCØJNK, on the Salvation Army's SATERN program.

WØME, Sec.

Reminders

City of Salina Siren Test Net, March 5th at 4:30 PM if the Weather cooperates!

ARRL-VEC Test Session on Wednesday **March 14th at 7:00 PM.**

Board meeting follows the exam session on **March 14th** at 8:00 PM (or after Testing—which ever is later) in the Saline Co. Sheriff's Office Classroom.

ARES Meeting is **March 15th at 8:00 PM** in **Emergency Management.**

CKARC Meeting is **March 30th** at 7:30 PM at KWU Peter's Science Hall Room 211

There is a full **Calendar of Events** on the CKARC Web site <http://www.centalksarc.com>

WRC-12 Comes to a Close in Geneva

02/17/2012

The World Radiocommunication Conference 2012 (WRC-12) concluded its deliberations today with the signing of the Final Acts that revise the Radio Regulations, the international treaty governing the use of radio-frequency spectrum and satellite orbits. More than 3000 representing 165 out of ITU's 193 Member-States attended the four-week Conference, braving the extreme winter conditions prevailing in Geneva. More than 100 Observers from among the ITU's 700 private sector members, along with international organizations also attended WRC-12. A number of WRC-12 delegates are radio amateurs.

The Conference was steered under the Chairmanship of Tariq Al Awadhi of the United Arab Emirates, along with six Vice Chairmen: Decker Anstrom (United States), Eric Fournier (France), Albert Nalbandian (Armenia), Mahiddine Ouhadj (Algeria), Habeeb Al-Shankiti (Saudi Arabia) and Alan Jamieson (New Zealand).

ITU Conference Forges Global Consensus

"The Conference set out to tackle very complex issues related to radiocommunications and I am delighted that after four weeks of sometimes difficult negotiations we have arrived at consensus that will shape the way we communicate in the future," said WRC-12 Chairman Tariq Al Awadhi.

ITU Secretary-General Hamadoun Touré, HB9EHT, expressed satisfaction at the outcome of the Conference. "WRC-12 has helped define new and better ways to regulate radio services and applications, and represents a major contribution in making the world a better place for all," he said. "The work done here will make the world a better place to communicate -- and that will make the world a better place to live in."

He highlighted the achievements of WRC-12 in allocating spectrum resources for mobile broadband, and for addressing the digital dividend issue which “now provides for a great deal of global harmonization of the use of the 700 MHz band for all regions by the services which most need it”. He also commended the delegates on the attention given to Earth observation radiocommunication applications, which are crucial for monitoring and combating climate change and for disaster prediction.

“Over the last four weeks, delegates from around the world have strived towards paving the way for the future of wireless communications,” François Rancy, Director of ITU’s Radiocommunication Bureau (ITU-R) said. “By carefully reviewing and revising the Radio Regulations, we have now firmly established the foundations for radiocommunication technologies to serve the interests of users worldwide.”

Rancy added that the Conference was a resounding success, having achieved consensus on all technical matters as well as on other, more difficult issues. Emerging from an overnight debate to finalize all technical and regulatory decisions, WRC-12 also adopted a resolution for cooperation and assistance to the Palestine Authority to foster the development and technical operations of its radiocommunication systems.

WRC-12 addressed some 30 agenda items related to frequency allocation and frequency sharing for the efficient use of spectrum and orbital resources, thus ensuring high quality radiocommunication services for mobile and satellite communications, maritime and aeronautical transport as well as for scientific purposes related to the environment, meteorology and climatology, disaster prediction, mitigation and relief.

Key WRC-12 Highlights

Amateur Radio Service: WRC-12 delegates approved a 7-kilohertz-wide MF secondary allocation to the Amateur Radio Service between 472-479 kHz. The new allocation has a power limit of 1 W EIRP. A provision has been made, however, for administrations to permit up to 5 W EIRP for stations located more than 800 km from certain countries that wish to protect their aeronautical radionavigation service (non-directional beacons) from any possible interference. In addition to these protections for aeronautical radionavigation, the Amateur Service must avoid harmful interference to the primary maritime mobile service.

Spectrum for International Mobile Telecommunications (IMT): In addition to the use of the 790-862 MHz in Regions 1 and 3, WRC-12 considered further spectrum allocations to the mobile service, including International Mobile Telecommunications (IMT) to facilitate the development of terrestrial mobile broadband applications in the frequency band 694-790 MHz. This issue has been placed on the WRC-15 agenda, together with the need to consider additional spectrum allocations for the mobile service.

Increase Efficiency in the Use of the Spectrum/Orbit Resource: In addition to the clarification of the notion of bringing into use of satellite network frequency assignments (satellite deployed and maintained at the notified orbital position for a continuous period of ninety days), WRC-12 also mandated the ITU Radiocommunication Bureau to initiate inquiries to administrations to provide information on the movement of satellites. Improved due diligence information -- including more detail information on the identity of the spacecraft used for the operation of the frequency assignments -- was also agreed to foster the long term access and development of the Broadcasting Satellite Service (BSS) in the 21-4-22 GHz band in Regions 1 and 3. WRC-12 improved the satellite coordination by reducing the coordination arc in parts of the most congested spectrum and agreed to look into the possibility of further reductions.

Early Warning, Disaster Mitigation and Relief Operations: *With reference to emergency telecommunications, WRC-12 addressed the application of new technologies, such as IMT and intelligent transport systems (ITS) to support or supplement advanced public protection and disaster relief applications. WRC-12 instructed ITU-R to continue studying aspects of radiocommunications and ICT that are relevant to early*

warning, disaster mitigation and relief operations and encouraged administrations to consider using identified frequency bands when undertaking their national planning for the purposes of achieving regionally harmonized frequency bands or ranges for advanced public protection and disaster relief solutions.

Earth Observation's Societal and Economic Value Recognized: WRC-12 focused on the importance of Earth observation radiocommunication applications in collecting and exchanging Earth observation data to maintain and improve the accuracy of weather forecasts, which contribute to the protection of life and preservation of property around the world. The Conference reaffirmed that Earth observation applications have considerable societal and economic value and urged administrations to protect the Earth observation systems in the related frequency bands.

Satellite Remote Passive Sensing: WRC-12 updated spectrum use aimed at the future of Earth observation applications with the development of passive sensors flying on meteorological and environmental satellites to monitor water vapor and oxygen spectral lines, which are needed for ice cloud and precipitation measurements and for storm monitoring and climate studies.

Oceanographic Radars Get Support: WRC-12 adopted the relevant protection levels for interference caused by oceanographic radars. These radars operate using groundwaves that propagate over the sea to measure coastal sea surface conditions in support of environmental, oceanographic, meteorological, climatological, maritime and disaster mitigation operations and for the surveillance of coastal pollution, fisheries management, search and rescue, beach erosion and maritime navigation.

Maritime Services: WRC-12 addressed maritime communication requirements to support safety systems for ships and port operations. The conference included new provisions in the Radio Regulations to improve satellite detection of automatic information systems using VHF channels.

Transmitting Frequencies in the VHF Maritime Mobile Band: The conference also considered the use of new technologies in the maritime service needed to the Table of Transmitting Frequencies in the VHF Maritime Mobile Band, which defines the channel numbering for maritime VHF communications based on 25 kHz channel spacing, as well as where digital technologies could be deployed.

Aeronautical Services: WRC-12 decided that necessary spectrum would be available for the introduction of applications and concepts in air traffic management that can support data links carrying safety-critical aviation information. These systems will enhance aeronautical communications capability and -- in conjunction with more precise navigational capabilities -- allow flight routing to be more efficient, resulting in fewer delays, shorter flight times on average, lower fuel costs and reduced CO2 emissions. ITU-R will continue to study any compatibility issues between the broadcasting service and aeronautical mobile (route) service in the band 108–117.975 MHz that may arise from the introduction of digital sound broadcasting systems.

Aviation Safety: The growth in the aviation industry calls for expanded capacity of mobile communication links that can operate over the horizon. WRC-12 decided that notifying administrations of mobile-satellite service networks shall accommodate the spectrum needed for distress, urgency and safety communications of the global maritime distress and safety system (GMDSS) and for the aeronautical mobile-satellite (route) service communications.

Aeronautical Mobile (Route) Service: These systems are critical for various air traffic and flight safety communications. Some of the communication systems, such as traffic information, automatic dependent surveillance-broadcast, and flight information provide easily accessible air traffic information to multiple air traffic managers at the same time, allowing for more efficient use of airspace. The allocation of the frequency band 960–1164 MHz to the aeronautical mobile (route) service is intended to support the introduction of applications and concepts in air traffic management which are data intensive and which could support data links that carry safety critical aeronautical data.

Aeronautical Mobile to Protect Other Primary Services in 37-38 GHz Band: A number of countries are deploying space research service Earth station receivers in the band 37–38 GHz to support manned near-Earth missions and deep-space missions. WRC-12 decided to exclude the aeronautical component of this mobile service allocation to ensure proper protection of existing and planned space research and mobile services.

Aerospace Surveillance: WRC-12 addressed the lack of spectrum available for aerospace surveillance and tracking the launch and maneuvering of spacecraft, and provided an additional allocation in the frequency band 154-156 MHz to the radiolocation service in some countries.

Thanks to the ITU Press Office for the information

From the ARRL Web Site

Ham Radio Addicting?

bob raynor (N4JTE) on February 20, 2012

IS HAM RADIO ADDICTIVE? OR; You know when you're a Hamaddict when;

You wait for a nice snowstorm to build your next antenna. They will always work better!

Will actually spend 10 minutes listening to the other station describe his triple bypass surgery in order to finally get a signal report.

Tell the xyl you need a minute to check something on the radio and show back up 3 hours later.

Spend Valentines Day at Radio Shack looking for 12 volt relays.

Read and absorb every word on W8JI'S website!

Go to Eham or DX summit before checking your email.

Line your birdcage with a complimentary issue of CQ magazine.

Have your ham radio activities come up during your divorce proceedings.

Venture into your backyard at 2am in 10 degree weather to check for icing on your antennas with a spotlight able to be seen from space.

Buy a house based on available antenna trees with proper orientation.

Quit smoking so your equipment will maintain its resale value.

Never read the manual to your new radio till after a week or so, when you are totally convinced it might actually be helpful.

Don't kick the cat because your final pull up line has found the only remaining leaf in your yard and has successfully tangled at 50 ft high in your only antenna tree.

Have enough buried and knotted up copper wire in your backyard to feed a third world country.

Have told a nosey new neighbor that you are a NSA volunteer listening station.

Keep your comments to yourself when the self proclaimed antenna expert with crappy audio and a 2 by 2 signal is having an orgasm about his multiband 20 ft vertical being able to work Italy, and will share the design on his QRZ page.

Leave your own Super Bowl party early so you can check your new antenna on the greyline.

Set up a remote station at work to play with some digital during your "free" time.

Drive 400 miles to pick up an amp to avoid shipping costs and possible damage.

Intercept the UPS guy before that new big box ends up on your porch. Lying to xyl never a good idea, subterfuge much better method.

Always remember to answer "Is that thing in the backyard permanent?" with "Of course not, just a quick experiment be gone in a few days" Not.

Still working on that antenna book that's going to take care of retirement bills.

Dislodge a chimney brick while pulling down a stuck homebrew Windom because of perceived coupling with wire beam. Turns out to be bad barrel connector in the shack!

Spend way too much time writing articles for eHam.

Note; Hi, my name is Sue (the xyl), and I approve this article!

"Borrowed from eHam.net"

March 2012 Contest Calendar

From the WA7BNM Contest Calendar

<http://www.hornucopia.com/contestcal/index.html>

QRP Fox Hunt	0200Z-0330Z, Mar 2
ARRL Inter. DX Contest, SSB	0000Z, Mar 3 to 2400Z, Mar 4
Wake-Up! QRP Sprint	0600Z-0800Z, Mar 3
DARC 10-Meter Digital Contest	1100Z-1700Z, Mar 4
SARL Hamnet 40m Simulated Emerg Contest	1200Z-1400Z, Mar 4
RSGB 80m Club Championship, Data	2000Z-2130Z, Mar 5
ARS Spartan Sprint	0200Z-0400Z, Mar 6
AGCW YL- CW Party	1900Z-2100Z, Mar 6
AWA John Rollins Memorial DX Contest	2300Z, Mar 7 to 2300Z, Mar 8 and 2300Z, Mar 10 to 2300Z, Mar 11
RSGB Commonwealth Contest	1000Z, Mar 10 to 1000Z, Mar 11
AGCW QRP Contest	1400Z-2000Z, Mar 10
EA PSK63 Contest	1600Z, Mar 10 to 1600Z, Mar 11
Idaho QSO Party	1900Z, Mar 10 to 1900Z, Mar 11
North American Sprint, RTTY	0000Z-0400Z, Mar 11
SKCC Weekend Sprint	0000Z-2400Z, Mar 11
Wisconsin QSO Party	1800Z, Mar 11 to 0100Z, Mar 12
NAQCC-EU Monthly Sprint	1800Z-2000Z, Mar 12
CWops Mini- CWT Test	1300Z-1400Z, Mar 14 and 1900Z-2000Z, Mar 14 and 0300Z-0400Z, Mar 15
RSGB 80m Club Championship, CW	2000Z-2130Z, Mar 14
SARL VHF/UHF Analogue/Digital Contest	1600Z, Mar 16 to 1000Z, Mar 18
10-10 Int. Mobile Contest	0001Z-2359Z, Mar 17
BARTG HF RTTY Contest	0200Z, Mar 17 to 0200Z, Mar 19
Russian DX Contest	1200Z, Mar 17 to 1200Z, Mar 18
Oklahoma QSO Party	1300Z, Mar 17 to 0100Z, Mar 18 and 1300Z-1900Z, Mar 18
Virginia QSO Party	1400Z, Mar 17 to 0200Z, Mar 18 and 1200Z-2400Z, Mar 18
AGCW VHF/UHF Contest	1400Z-1659Z, Mar 17 (144) and 1700Z-1759Z, Mar 17 (432)
Feld Hell Sprint	1600-1800 local, Mar 17
North Dakota QSO Party	1800Z, Mar 17 to 1800Z, Mar 18
Run for the Bacon QRP Contest	0100Z-0300Z, Mar 19
NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Mar 22
RSGB 80m Club Championship, SSB	2000Z-2130Z, Mar 22
CQ WW WPX Contest, SSB	0000Z, Mar 24 to 2400Z, Mar 25
QRP Homebrewer Sprint	0000Z-0400Z, Mar 26
SKCC Sprint	0000Z-0200Z, Mar 28
CWops Mini- CWT Test	1300Z-1400Z, Mar 28 and 1900Z-2000Z, Mar 28 and 0300Z-0400Z, Mar 29
Missouri QSO Party	1800Z, Mar 31 to 0500Z, Apr 1 and 1800Z-2359Z, Apr 1

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<http://www.centralksarc.com>

Your copy of QSP is Here!

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@ 7:30 PM, at KWU Peters Science Hall Room 211

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SUBMISSION DEADLINE FOR THE MARCH QSP IS MAR. 21, 2011

CKARC March Birthdays

F/Member	JoAnn	Matthews	3/1
KAØEIC	Don	Fitzgerald	3/5
WØUB	Vance	Eckstrom	3/14
F/Member	Crystal	Boyle	3/23
WØUTS	Bert	Voth	3/26
KCØVDV	Barbara	Mallon	3/28
KAØLTQ	Dennis	Kelley	3/29