



QSP



December 2011

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

The December Christmas Dinner Meeting is Thursday Dec. 22nd at Western Sizzlin Steakhouse on W. Crawford

December VE Report

Program: Installation of Officers for 2011

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For the December 14th Session:

We had Two Candidates, for the Technician Exam, John Rogers, of Wichita, Ks, and Jeffery Houston, of McPherson, Ks. Both PASSED, and are awaiting their new licenses to be issued. Bernard Botson, KDØØXA, attempted to upgrade to General Class, but missed a few too many—he Will be Back!

VE's for the Session were:

Sid, NØOBM, Ron, WAØPSF, Harvey, KØRY, Don, KAØEIC, and Alvin, WØME.

Next Exam session is:

Wednesday January 11th, 2012, at 7:00 PM, at the Saline County Sheriff's Office Classroom.

Sid NØOBM VE Team Leader

Minutes of the November Meeting

The November meeting was called to order by Vice President Leon, WAØJFC, at 7:30 with Pledge of Allegiance, followed by round of introductions with 18 members and guests present.

Leon called for minutes of last meeting and Alvin, WØME, asked the minutes be approved as printed is QSP, motion made and seconded, and approved as printed.

Mitch, KAØIFW, gave the treasurers report:

\$ 848.99 in Checking

\$1048.54 in savings

\$1897.53 Total

accepted as read, he also reported receiving a new Johnson County ARC news letter.

VE and EC report by Sid, NØOBM,

No one to test this month (somewhat unusual), and not much going on at the EC Lets hope no big Winter Storms!

Repeaters are working

No old business to report.

New business: CKARC Club dues are now due!

The Christmas dinner meeting will be on December 22nd at the Western Sizzlin Steak House on West Crawford Street at 6:30 PM.

Sorry to hear that Mike, KBØLZQ's, mother-in-law had Passed away.

KDØKYD, Michelle would like to have some help working with some high-schoolers. See Michelle for further details.

Move to adjourn by KCØJNK seconded, and adjourned at 7:50 PM.

sec WØME

Reminders

City of Salina Siren Test Net, January 9th at 4:30 PM **if the Weather cooperates!**
(No test on the 2nd—a sit is considered a Holiday)

ARRL-VEC Test Session on Wednesday **January 11th at 7:00 PM.**

Board meeting follows the exam session on **January 11th** at 8:00 PM (or after Testing—which ever is later) in the Saline Co. Sheriff's Office Classroom.

ARES Meeting is **January 19th** at **8:00 PM** in **Emergency Management.**

CKARC Meeting is **January 27th** 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>

FCC Releases New Rules for 60 Meters

11/21/2011

On November 18, the FCC released a *Report and Order (R&O)*, defining new rules for the 60 meter (5 MHz) band. These rules are in response to a *Petition for Rulemaking (PRM)* filed by the ARRL more than five years ago and a June 2010 *Notice of Proposed Rulemaking (NPRM)*. In the *R&O*, the FCC replaced one of the channels in the band, increased the maximum authorized power amateur stations may transmit in this band and authorized amateur stations to transmit three additional emission designators in the five channels in the 5330.6-5406.4 kHz band (60 meters).

The Amateur Radio Service in the United States has a secondary allocation on 60 meters. Only those amateurs who hold General, Advanced or Amateur Extra class licenses may operate on this band. Amateur stations must not cause harmful interference to -- and must accept interference from -- stations authorized by any administration in the fixed service, as well as mobile (except aeronautical mobile) stations authorized by the administrations of other countries. Here is a summary of the changes. Please note that these changes have not yet taken effect. These new rules will take effect **30 days after they are published in the *Federal Register***. The ARRL will announce on its website when the rules are published.

The frequency 5368.0 kHz (carrier frequency 5366.5 kHz) is withdrawn and a new frequency of 5358.5 kHz (carrier frequency 5357.0 kHz) is authorized. The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. If another type of antenna is used, the station licensee must maintain a record of either the antenna manufacturer's data on the antenna gain or calculations of the antenna gain.

Three additional emission types are authorized. **Data** (emission designator 2K80J2D, for example, PACTOR-III), **RTTY** (emission designator 60H0J2B, for example, PSK31) and **CW** (150HA1A, i.e. Morse telegraphy by means of on-off keying). For CW, the carrier frequency must be set to the center frequency. For data and RTTY the requirement to transmit "only on the five center frequencies specified" may be met by using the same practice as on USB, i.e. by setting the suppressed carrier frequency of the USB transmitter used to generate the J2D or J2B emission to the carrier frequency that is 1.5 kHz below the center frequency.

Automatic control on data and RTTY is not permitted; a control operator must be in a position to exercise either local or remote control over the transmitter. The FCC noted that "amateur operators must exercise care to limit the length of transmissions so as to avoid causing harmful interference to Federal stations." This is a very important caveat: If a Federal station requires amateurs to cease using a frequency, the amateur station must be able to do so without delay.

A reasonable person might wonder what the difference is between data and RTTY. According to former ARRL Chief Technology Officer Paul Rinaldo, W4RI, there used to be a difference, but there's not much of one today. "Years ago, a B designator (telegraphy for automatic reception [i.e. narrow-band direct-printing telegraphy emissions]) meant decoding and display on a teletypewriter (TTY) or other mechanical machine," he explained. "A D designator signified transmission of data, telemetry or telecommand intended for data processing or just storage possible future use.

When computers or computer-like devices were introduced to emulate RTTY transmission and/or reception, the line between telegraphy and data transmission blurred to the point of little or no practical distinction."

PACTOR-III and PSK31 are cited in the new rules as examples of data and RTTY emissions, respectively, that will be authorized; however, in paragraph 28 of the *R&O*, the Commission states that amateur stations will be permitted to use "any unspecified digital code, subject to the requirements of Section 97.309(b)." Therefore, as a practical matter it appears that any J2D data emission is to be permitted up to a bandwidth of 2.8 kHz, provided that care is exercised to limit the length of transmissions.

Amateur Radio and the 60 Meter Band

The 60 meter band is part of the larger 5.060-5.450 MHz band, which is a federal/non-federal shared band that is allocated to the fixed service on a primary basis and to the mobile (except aeronautical mobile service) on a secondary basis. The 5.060-5.450 MHz band is primarily used by federal agencies for ship-to-shore and fixed point-to-point communications. Non-federal use of the 5060-5450 kHz band includes state government licensees and licensees in the Industrial/Business Pool that operate standby and/or backup communication circuits for use during emergency and/or disaster situations, entities prospecting for petroleum and natural gas or distributing electric power, coast stations and aeronautical fixed stations.

The Commission added the Amateur Radio Service as a secondary allocation after determining that such frequencies could be useful to the Amateur Radio community for completing disaster communications links at times when existing frequencies in the 3.500-4.000 MHz (80 and 75 meter) and 7.000-7.300 MHz (40 meter) bands are not available due to ionospheric conditions. It concluded that such an allocation represented the best compromise available to give the amateur service access to new spectrum while assuring the federal government agencies that their use is protected.

At the request of the National Telecommunications and Information Administration (NTIA), the Commission restricted amateur stations operating on the five channels in the 60 meter band to upper sideband (USB) voice transmissions (phone emission 2K80J3E), and to a maximum effective radiated power (ERP) of 50 W peak envelope power (PEP). The Commission adopted these operating restrictions to decrease the interference potential between amateur stations and federal stations.

In October 2006, the ARRL filed a *Petition for Rulemaking* with the FCC, requesting that the Commission amend Parts 2 and 97 of its Rules to replace one of the allocated center frequencies (5368 kHz) with a less encumbered frequency (5358.5 kHz), to increase the maximum ERP from 50 to 100 W PEP and to authorize the use of additional emissions types, limited to emission designators 150HA1A, 60H0J2B and 2K80J2D. In its *Petition*, the ARRL pointed out that its proposals were designed to facilitate more efficient and effective use of the secondary Amateur Radio Service allocation in the 60 meter band. As part of its petition, the ARRL attached a letter from NTIA, indicating that it would "look favorably" on the ARRL's proposed modifications.

From the ARRL Website

January 2012 Contest Calendar

From the WA7BNM Contest Calendar

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

SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
AGCW Happy New Year Contest	0900Z-1200Z, Jan 1
ARS Spartan Sprint	0200Z-0400Z, Jan 3
NCCC Sprint Ladder	0230Z-0300Z, Jan 6
PODXS 070 Club PSK Fest	0000Z-2400Z, Jan 7
Original QRP Contest	1500Z, Jan 7 to 1500Z, Jan 8
ARRL RTTY Roundup	1800Z, Jan 7 to 2400Z, Jan 8
EUCW 160m Contest	2000Z, Jan 7 to 0700Z, Jan 8
DARC 10-Meter Contest	0900Z-1059Z, Jan 8
Midwinter Contest	1000Z-1400Z, Jan 8
NCCC Sprint Ladder	0230Z-0300Z, Jan 13
Hunting Lions in the Air Contest	0000Z, Jan 14 to 2400Z, Jan 15
WW PMC Contest	1200Z, Jan 14 to 1200Z, Jan 15
North American QSO Party, CW	1800Z, Jan 14 to 0600Z, Jan 15
NRAU-Baltic Contest, CW	0630Z-0830Z, Jan 15
NRAU-Baltic Contest, SSB	0900Z-1100Z, Jan 15
NCCC Sprint Ladder	0230Z-0300Z, Jan 20
LZ Open Contest	0000Z-0400Z, Jan 21
Hungarian DX Contest	1200Z, Jan 21 to 1200Z, Jan 22
North American QSO Party, SSB	1800Z, Jan 21 to 0600Z, Jan 22
ARRL January VHF Sweepstakes	1900Z, Jan 21 to 0359Z, Jan 23
NCCC Sprint Ladder	0230Z-0300Z, Jan 27
CQ 160-Meter Contest, CW	2200Z, Jan 27 to 2159Z, Jan 29
REF Contest, CW	0600Z, Jan 28 to 1800Z, Jan 29
BARTG RTTY Sprint	1200Z, Jan 28 to 1200Z, Jan 29
UBA DX Contest, SSB	1300Z, Jan 28 to 1300Z, Jan 29

Membership Renewal Form



CKARC, Inc.
P. O. Box 2493 Salina, Kansas 67402-2493

Name: _____ Call: _____ Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ - _____ - _____ email: _____

Cell Phone: _____ - _____ - _____

ARRL Member No.: _____ Exp. Date: _____ Birth-
day: ____/____ (Month & Day ONLY)

Spouse Name: _____ Call: _____

ARRL Member No.: _____ Birthday: ____/____

May we publish your Phone & Email in the CKARC Rosters? Y N

Roster will **NOT** be published on the Web site (Please circle Y for Yes or N for No)

QSP is the CKARC Newsletter, do you wish to receive the QSP
via Email or Postal Delivery? Email Postal (Check one or the other)

While ARRL Membership is not a Requirement for membership in the CKARC, Inc.
it is highly recommended. In order to retain "Special Service Club" status, we must remain a
minimum of 51% ARRL Membership.

CKARC Dues : \$15.00/Year Family Member: \$5.00

ARRL Dues : \$39.00/Year

* For additional years, or Family Membership Information,
please contact the Treasurer.

Central Kansas Amateur Radio Club
P. O. Box 2493
Salina, Ks. 67402-2493

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<http://www.centralksarc.com>

Your copy of QSP is Here!

December Meeting is Thursday, December 22, 2011
@ **6:30** PM, at Western Sizzlin Steak House

QSP On-Line at:
<http://www.centralksarc.com/qsp.html>

SUBMISSION DEADLINE FOR THE JANUARY QSP IS JAN. 18, 2011

CKARC January Birthdays

KBØNOV	Neil	Cox	1/4
WBØWTM	Robert	Paul	1/6
KAØBBX	Darin	Gray	1/6
WAØJFC	Leon	Gray	1/8
F/Member	Phyllis	Shurts	1/12
KØRY	Harvey	Tewes	1/16
NØOBM	Sid	Ashen-Brenner	1/19
KDØVA	Stephen	Haly	1/19
KCØSMG	Robert	Sheehy, Jr.	1/26
WAØPSF	Ron	Tremblay	1/30