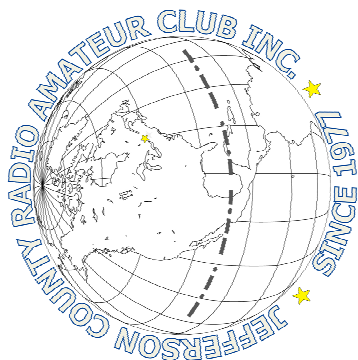


J.C.R.A.C. FEEDLINE



THE JEFFERSON COUNTY RADIO AMATEUR CLUB, INC.
P.O. BOX 6464 WATERTOWN, NY 13601

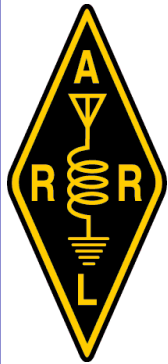


ARRL GRANT FUNDS NEW HF RADIO

The American Radio Relay League Foundation has awarded the club a \$1050 grant toward the purchase of a new Kenwood TS-480SAT HF Radio. The radio will be installed at the club's facility to be used primarily as a Get On The Air (GOTA) station during events and at any time the club facility is open.



GOTA stations are intended to get unlicensed members of the general public or newly licensed amateur radio operators on the air so that they may experience the excitement of operating. The Kenwood TS-480SAT was chosen to fill this position in our radio room because of its ease of use, clear audio and durability. The radio can also be interfaced with a computer for control of the radio and operation of digital modes.



The radio will be purchased through Gigaparts, Inc. and may be available at the December club meeting if any club members would like to come take a look at it. The officers of the club would like to thank Gigaparts for offering the radio at their dealer cost of \$918.95. The savings will allow the club to put the remainder of the grant money into a general equipment fund for future purchases and repairs. — JCRAC Staff

DECEMBER 2011 EDITION

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2012 SLATE OF OFFICERS

Michelle Barton-Cox, KC2UOD	-	President
Ray Slate, KC2UOQ	-	Vice President
TBA	-	Secretary
Ric Letson, NB2E	-	Treasurer
Phil Cox, KC5AMQ	-	Activities Dir.
George Tibbles, KC2GCQ	-	1 Yr Trustee
Denver Druesedow, WD9DVM	-	2 Yr Trustee
Edgar Barr, KB2KHR	-	3 Yr Trustee

VE TEAM A HUGE SUCCESS

The club's volunteer examiner team, started in 2010, has administered over 30 exams so far. Of those thirty exams twelve have been license upgrades which have provided local hams with additional operating privileges.

The team operates under the auspices of the ARRL's VEC program with Phillip Cox, KC5AMQ, as the Team Liason.

Test sessions are held on the second Saturday of the month directly prior to the club meeting.

Testing is also available on-site for groups wishing to become licensed.

For more information or to arrange a license class or test session contact info@kc2elx.net

AMATEUR RADIO REPRESENTED AT THE WHITE HOUSE

On September 12, at the invitation of White House Cybersecurity Coordinator Howard A. Schmidt - W7HAS, the ARRL briefed several members of the National Security Staff on the capabilities of the Amateur Radio Service to communicate in emergencies. *"The White House is looking for ways that the great work of Amateur Radio operators can continue to support emergencies in the future with particular attention to increased use and dependency on internet based technologies,"* Schmidt said.

The ARRL presentation, conducted by Emergency Preparedness Manager Mike Corey - W5MPC along with President Kay Craigie - N3KN and Chief Executive Officer David Sumner - K1ZZ focused on Amateur Radio's current and evolving capabilities to provide Internet messaging connectivity. --©ARRL Briefs

Howard Schmidt was appointed as the White House's Cybersecurity Coordinator in December of 2009 and brings with him over 30 years of experience in Amateur Radio. His interests include RTTY, Earth-Moon-Earth Bounce and Collins HF equipment. His position at the White House provides him with a unique opportunity to not only ensure the safety of the White House's communications networks but to also act as a spokesman for amateur radio within the White House when necessary.



Howard A. Schmidt, W7HAS (left) invited the ARRL to the White House to brief staff on the part that Amateur Radio plays in Emergencies. Standing with Schmidt outside the West Wing are (left to right) ARRL President Kay Craigie, N3KN, ARRL Chief Executive Officer David Sumner, K1ZZ, and ARRL Emergency Preparedness Manager Mike Corey, W5MPC.

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- Committee members needed for the hamfest committee.
- Volunteers needed for upcoming public service events.
- Equipment reviews of amateur radio related items wanted.
- Ideas for presentations and guest speakers needed.

CLUB STARTS INK CARTRIDGE FUNDRAISER

The club has started accepting used ink and toner cartridges for recycling as a fundraiser. Cartridges may be dropped off at any regular meeting. By dropping these items off we will earn between \$0.20 and \$12.00 per cartridge to help fund the club's future purchases.

This is an easy, no cost fundraiser that can take place year-round to help put money in the club's accounts. We also have access to pre-printed cardboard drop-off boxes which can be placed in retail stores. In-store drop boxes allow members of the general public to support the club without any out of pocket cost. If any members know of a retail store that may be open to hosting a drop off box please contact the treasurer at treasurer@kc2elx.net.



—Ric Letson, NB2E

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UPCOMING HOT DX

CYØ Sable Island DXPedition	05 October—31 December 2011	QSL via VE1AWW
T8CC Palau DXPedition	1 December—16 December 2011	QSL via UA4CC
3D2AG Rotuma DXPedition	08 December—09 January 2012	QSL via 3D2AG

ARRL January VHF Sweepstakes

January 21—23, 2012

Begins 1900 UTC Saturday, ends 0359 UTC Monday

Rules at: <http://www.arrl.org/january-vhf-sweepstakes>

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60 METER RULES CHANGED

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.

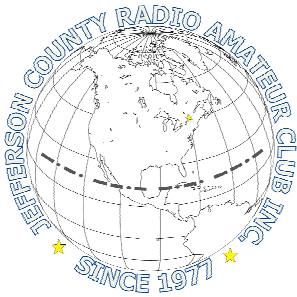
Three additional emission types are authorized. Data (emission designator 2K80J2D, for example, PACTOR-III), RTTY (emission designator 60H0J2B, for example, PSK31) and CW (150HA1A, i.e. Morse telegraphy by means of on-off keying). For CW, the carrier frequency must be set to the center frequen-

cy. 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 for 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.



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Watertown, NY 13601

We're on the web!
<http://www.kc2elx.net>

Publication Info

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Caption describing picture or graphic.

Mailing Address Line 1

Mailing Address Line 2

Mailing Address Line 3

Mailing Address Line 4

Mailing Address Line 5

PRESIDENTS VOLUNTEER SERVICE AWARD

As of November of 2011, The Jefferson County Radio Amateur Club is now recognized as a certifying organization for the President's Volunteer Service Award.

The award is intended to recognize individuals for their volunteer service. Any community or volunteer service activity may be recognized. As a certifying organization the club can not only approve volunteer hours accumulated while working for the club, but also may certify volunteer hours performed with other organizations.

If you have volunteer hours that you would like to submit for certification please contact Ric Letson, NB2E and provide proof of the hours you have worked. Alternatively, you may provide contact information for the organization

with which you volunteered and he can follow up with them to approve your hours.

There are three basic award levels which consist of bronze, silver and gold. Which award a volunteer qualifies for depends on the number of hours and the volunteer's age. As an example: Although 125 hours are required for an adult to earn the Bronze award a child under 14 may earn the Bronze award in as little as 75 hours.

An additional award called the President's Call To Action Award is given in recognition of over 4000 hours of community and volunteer service over a lifetime.

Each recipient of an award will receive a certificate, lapel pin and letter from the President of the United States.