

HAM RAG



Visit our website for more club and area ham information
In the Rockford area at <http://www.w9axd.org>

RARA Mission Statement

A member association with common interest of public service to the community through the use of amateur radio.

August 2011

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Amateur's Code

The Amateur's Code

The Radio Amateur is

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

—The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928.

NEXT MEETING

FRIDAY

August 12, 2011

7:00P.M.

Location:

Foundation Room
Saint Anthony OSF
5666 East State Street
Rockford, Illinois

Latest news and events on our web page: <http://www.w9axd.org>



From the Treasurer

Treasurer's Report: For the period 26 June 2011 to 24 JULY 2011
submitted to the Ham Rag by John G. Olson 2011 RARA treasurer.

Income :	\$ 52.80
Expenses:	\$ 0.00
Ending Checkbook Balance:	\$3654.25 (per check register 24 JUL 2011)
Ending Repeater checking balance:	\$ 300.00 (per 30 JUN 2011 statement)
Ending Savings Balance	\$3218.83 (per 30 JUN 2011 statement)***
Ending total cash on hand:	\$7173.08 (net gain of \$52.80)

*** Savings account statements are issued by Alpine Bank quarterly

We depend on your timely dues payment.

Silent Key

LARRY J. CARLSTROM, 69 ROCKFORD - Larry J. Carlstrom, 69, died Monday, July 25, 2011, in the comfort of his home, with family. He fought a long battle with the devastating effects of treatments for a brain tumor. Born Oct. 18, 1941, in Rockford to Cecil and Roberta (Darrington) Carlstrom. He was a graduate of East High School. On March 29, 1980, he married Marcia Lind.

Larry worked for RCA Service Corp., for many years and was widely known for his electronic knowledge. He enjoyed boating on the Rock River, Ham Radio (K9LC), talking and traveling. He was extremely proud of the accomplishments of his children. In earlier years he enjoyed water skiing and piloting his own plane.

Survivors include wife, Marcia; children, Lindy Carlstrom, M.D. of Indiana, Lora (Joe) Verdina and Jay Carlstrom; sisters, Pearl and Alice; brother, Robert; sisters-in-law, Marla (Doug) Long and Mardel (Dan) Ulrich; and several nieces and nephews. Predeceased by three brothers, and his parents. Special thanks for the great help and positive attitude of caregivers, Jeff R., and to Joe C., for the rides to "Doug's Diner".

Service at 3 p.m. Monday, Aug. 1, in Olson Funeral & Cremation Services, Ltd., Fred C. Olson Chapel, 1001 Second Ave., with visitation from 2 p.m. to time of service; Pastor Brent Dahlseng from Grace Lutheran Church will officiate. Private family burial. Memorials to the family for a memorial to be established at a later date. To share a memory or condolence, visit olsonfh.com.
Published in Rockford Register Star from July 30 to July 31, 2011

The K7RA Solar Update

ARLP031 Propagation de K7RA

Solar activity increased markedly this week, with the sunspot number rising to 130 on Monday, August 1, the highest since a reading of 131 on April 14, 2011. Average daily sunspot number more than doubled this week compared to last, rising nearly 54 points to 99.3.

On Thursday I received a Significant Event Report from Rob Steenburgh, KA8JBY, Space Weather Forecaster at NOAA Space Weather Prediction Center:

"A trio of significant active regions produced a series of radio blackout (solar flare) events in the past few days. To date, three radio blackouts reaching the R2 (Moderate) level have been observed. Earth-directed coronal mass ejections have been associated with each of the biggest radio blackout events on August 2-4. Solar radiation enhancements have also occurred in conjunction with each of these events, with the solar radiation storm event threshold being exceeded to reach the S1 (Minor) level in conjunction with the August 4 event".

"Three coronal mass ejections (CMEs) are currently en route to Earth, with the commencement of geomagnetic storming expected early to mid-day on August 5 with the arrival of the CMEs associated with the August 2-3 events. The third of the string, seemingly the fastest CME, may catch up with the first two in the next 12-18 hours, compressing the plasma and enhancing the embedded Magnetic field. Storming levels are expected to attain G3 (Strong) conditions. The current Solar Radiation Storm may experience a kick with the shocks, and attain S2 (Moderate) thresholds".

"Some level of geomagnetic disturbance is expected to continue through August 7 as the series of CMEs affect the Earth. Continued activity is likely from these regions as they continue to rotate off the visible solar disk over the next 7 days. The Space Weather Prediction Center will continue to monitor this event as it unfolds".

Thanks, Rob!

A NASA video shows a couple of the CMEs. Check http://www.nasa.gov/mission_pages/sunearth/news/News080411-dblpunch.html. The latest forecast on Thursday night has planetary A index for August 5-9 at 50, 30, 20, 15, and 10, then 8 on August 10-12, then 5, 8, 10, 15, 12, 10 and 8 on August 13-19. Solar flux predicted for August 5 is 115, 110 on August 6-7, 100 and 95 on August 8-9, then 85 on August 10-12, then 100 on August 13-16.

The planetary A index at 50 is quite high.

Geophysical Institute Prague predicts active conditions on August 5-7, unsettled to active August 8, quiet to unsettled August 9, and quiet conditions August 10-11.

July is over, so let's look at some of the numbers. The average daily sunspot number for the month of July was 67.2, up from 55.5 for June. The moving three month average of daily sunspot numbers for May through July, centered on June was 61.5. The 3-month moving average centered on January through June was 35.3, 55.7, 72.3, 74.4, 65.9 and 61.5.

Vince Varnas, W7FA of Portland, Oregon wrote on July 30: "For the last week the ST0R DXpedition to South Sudan has had very weak signal strength here in the Portland area, particularly at night on the 17 meter band (18 MHz). Generally they are S-3, at best".

"At 0209 UTC on July 30 there was a M9 solar flare from a big sunspot. At 0522 UTC I heard and worked the ST0R station on CW with much, much louder signal strength, both directions. (They were at the noise or slightly above a few hours earlier. When I worked them on SSB on July 26 at 2303 UTC they were about S-4.) They were S-8 to 9 on the S-meter. The difference in signal strength between 'normal' and last night was about 30 db. Since it is a scientific fact that solar flares can and do enhance the reflectivity of the F layer, my conclusion is that this is what produced the markedly stronger signals from ST0R".

Thanks, Vince.

The K7RA Solar Update

Sergej Ignatov, UZ2HZ of Kremenchug, Ukraine asked about a link to the Penticton source for thrice-daily solar flux readings, as the link he was using no longer works. Yes, they changed servers again, so the URL has changed. Try ftp://ftp.geolab.nrcan.gc.ca/data/solar_flux/daily_flux_values/fluxtable.txt in your web browser. The column you want is third from the right, the observed flux values, and the local noon (2000z) readings. Although readings are taken three times per day, the noon reading is the official solar flux for the day, also shown at <http://www.swpc.noaa.gov/ftpdir/indices/DSD.txt> in whole number resolution.

As geomagnetic conditions change over the next few days, you can check <http://www.swpc.noaa.gov/ftpdir/indices/DGD.txt> for the planetary K index, updated every three hours. You can also check out <http://www.swpc.noaa.gov/ftpmenu/forecasts/45DF.html> every day after 2100z for an updated daily forecast of solar flux and planetary A index.

Joe Molon, KA1PPV of Stamford, Connecticut writes: "Well it happened again. Not much happening southbound but this time the door to Europe was wide open.

I had heard about the M Class flare and decided to check up on solar conditions because I knew it might get really good before it goes into the toilet. I saw a SF of 116 with an A Index of 3 and a K Index of 1 and that is all I needed.

In one hour I logged IZ5RVG, DL2OCE, IC8TEM, IZ5MXA and EB5DZC.

Not that unusual for someone running 100W into a beam but, as usual, I did it the hard way with 1.5 watts all on 20 meters. Got 599 on all except for the last when the noise crept up.

I was using my Small Wonder Labs PSK kit for 20m with 1.5W into a Diamond BB7V 25 feet AGL. The propagation Gods opened the gate and I walked right through. Wow! It was great to get everyone that I tried for. That never happens in QRPLand. Good DX. Yep! It's about time! Now watch the power grid get knocked out tomorrow when the CME shows up!"

Thanks, Joe! Sounds like fun.

If you would like to make a comment or have a tip for our readers, email the author at k7ra@arrl.net.

For more information concerning radio propagation, see the ARRL Technical Information Service at <http://arrl.org/propagation-of-rf-signals>. For an explanation of the numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>. An archive of past propagation bulletins is at <http://arrl.org/w1aw-bulletins-archive-propagation>. Find more good information and tutorials on propagation at <http://mysite.ncnetwork.net/k9la/index.html>.

Monthly propagation charts between four USA regions and twelve overseas locations are at <http://arrl.org/propagation>.

Sunspot numbers for July 28 through August 3 were 84, 88, 101, 128, 130, 98, and 66, with a mean of 99.3. 10.7 cm flux was 107.3, 111.7, 112.7, 118.6, 124.9, 121.6, and 119.9, with a mean of 116.7.

Estimated planetary A indices were 3, 5, 16, 8, 9, 3, and 3, with a mean of 6.7. Estimated mid-latitude A indices were 3, 3, 10, 7, 6, 3, and 3, with a mean of 5. NNNN /EX

Gordo's Short Circuits

BY GORDON WEST, * WB6NOA

Little-known Grandfathered License Opportunities

Your pal at the radio club holds an original Technician class license, earned before March 21, 1987 (photo B). He never let it expire. Good news! With no written exam, this "Grandfathered Technician" may do a paper upgrade for full General Class privileges. "The FCC Report and Order, effective April 15, 2000, grants examination credit to various licensees for examinations they previously passed," comments Fred Maia, W5YI.

There's more good news for your neighbor down the street who once held a Technician Class license back in the '70s or early '80s, but let it expire. Holders of expired Technician Class licenses, issued on or before March 21, 1987, receive General Class Element 3 credit when they successfully pass the relatively simple Technician Class Element 2 exam. That's right: An expired Tech license earned before March of 1987, when the old Tech test was 50 questions and contained

many General Class subjects, can be used to upgrade today.

Find a volunteer examination team who knows of the grandfathered-license process, and likely they have old paper *Callbooks* to look up old license claims. Most longtime operators have long since cleaned out their drawers full of their original licenses, but the *Callbook* should work.

For Advanced Class operators there is no automatic Extra Class upgrade. Going from Advanced to Extra Class requires passing the 50-question Element 4 test.

Finally, the new General Class question pool kicked in on July 1, 2011, and the new questions are not any more difficult than older Element 3 exams, but do get the new study

materials to see relevant questions that have been added plus a slug of obsolete technical questions deleted!



Photo B— Many Technician Class operators licensed before 1987 can qualify for a no-test General Class upgrade.

July 2011 • CQ • 81

FRIDAY MORNING BREAKFAST

Meets every Friday morning from 8 am until about 9:30 am. An informal gathering of ham folks, no affiliations necessary, good food and good company.

Everyone is welcome to attend.

"The Stockholm Inn"
2420 Charles Street
Rockford, IL 61108



AMATEUR RADIO EXAM NOTICE

July 16th there were 4 applicants resulting in 3 new licenses and 1 upgrade.

New:

Jeffrey T Anderson - Technician
Dion N Fotinakes - General
Jason R McDonough - Technician

Upgrade:

Michael E Barry KC9UGV - Extra

Amateur Radio exams are held in Rockford IL on the 3rd Saturday of every month. The next session is August 20, 2011 at 9:00 AM. Walk-ins welcome.

Location:

OSF St Anthony Hospital
5666 E State St
Rockford IL

Exams will be held in the St Francis Room (just right of the front entrance after you enter).

Check-in is from 9:00 AM til 10:30 AM.

What You Need To Bring To A W5YI-VEC Session:

1. Your original Amateur Radio license AND A COPY.
2. Any valid CSCE that you are using for exam credit AND A COPY.
3. Two forms of Identification with your signature on them. One must be a picture ID (drivers license, passport, school ID, library card, credit card, etc.)
4. Test fee \$14.00 cash or check payable to W5YI-VEC.

Rusty Cordell WB9QYV

wb9qyv@aol.com

AREA Repeaters

146.610 -	ENC/DEC pl 114.8	W9AXD
147.000 +	ENC/DEC pl 114.8	W9AXD
223.880 -	ENC/DEC pl 118.8	W9AXD
ATV input 1250 Mhz/ 434 Mhz		W9ATN
	output 421.25 Mhz	
146.805 -	ENC/DEC pl 114.8	K9AMJ
224.440 -	ENC/DEC pl 118.8	K9AMJ
147.255 +	ENC/DEC pl 114.8	WX9MCS
444.725 +	ENC/DEC pl 107.2	WX9MCS
	Linked to FISHFAR	

2010 RARA Officers and Board

Officers:

President - Tom Shouler, N9VJU, 815-877-9129
Vice President - OPEN
Secretary - John Lawrence, N9OTC, 815-397-4624
Treasurer - John Olson W9JGO

Directors:

Gordon Seaman, KC9NEX, 815-234-5034
Steve Thorne, K9LLI, 815-399-9161
Web Master - Robert Larson, KC9ICH, 815-226-1875
Ham Rag Editor - Jim Holich, AB9SX, 779-522-8796
Repeater Chairman - Chuck Ingle, AB9KA, 815-979-1049

Hamfest Information

Peoria Superfest 2011
September 17th and 18th, 2011
Exposition Gardens
1601 West Northmoor Road
Peoria IL, 61601
Talk-in 147.075 (PL + 103.5)

Chicago FM Club
Saturday and Sunday September 10th and 11th, 2011
Boone County Fairgrounds
8791 Route 76
Belvidere, Illinois
6 a.m. to 3 p.m. both days
Complete listing at <http://www.chicagofmclub.org/radioexpo2011.html>

59th Annual W9DXCC Convention & Banquet
Saturday September 17th 2011
Holiday Inn—Elk Grove Village
630-844-8301

Southeast Iowa Hamfest
Sunday, October 2, 2011
Muscatine County Fairgrounds
101 Clay Street
West Liberty, Iowa
7 a.m. Tickets \$5.00
Repeater 146.31/91, CTSS 192.8 Hz
Tom Brehmer n0loh@arrrl.org

Calling Frequencies

CALLING FREQUENCIES

HF To 6M -- DX, DXpedition, SSB, CW, AM, FM, RTTY, SSTV

Note: By tradition, 20M and up is Upper Sideband, 40M and below is Lower Sideband. An exception is the new **60M Ham Band** -- use USB. This protocol came about as a matter of convenience in early SSB transceiver design and has remained to this day. And yes - you can operate either sideband legally where phone is allowed. And yes you can operate CW on the phone bands -- but best stay with the protocols. See URL:

 **CONSIDERATE OPERATOR FREQ GUIDE**

AND URL:

 **USA AMATEUR RADIO BAND PLANS**

160 METERS

1.810 QRP CW Calling frequency

1828.5 -- DXpeditions CW Operations are frequently here

1.830-1.840 CW, RTTY and other narrowband modes, intercontinental QSOs only

1.840-1.850 CW, SSB, SSTV and other wideband modes, intercontinental QSOs only

1.825 - SSB QRP Calling Freq

1910 - SSB QRP Calling Freq

PSK31

80/75 METERS

3.500-3.510 CW DX Window

3.505 DXpeditions CW are frequently here

3.560 QRP CW Calling frequency

3.590 RTTY DX

3.790-3.800 SSB DX Window

3.710 QRP Novice/Tech CW Calling Freq

3.845 SSTV

3.885 AM Calling Frequency

3.799 DXpeditions SSB are frequently here

3.985 QRP SSB Calling frequency

PSK31

60 METERS -- SEE ARRL WEBSITE

On 60M - CH5 is the unofficial DX calling frequency!

Calling Frequencies

40 METERS

7.000 - 7.010 CW DX Window

7037 Pactor Calling frequency

7.040 RTTY DX

7.040 QRP CW Calling Freq

7.050 XTAL Controlled Rigs

7.290 AM

7.065 DXpedition SSB USA split to 7.150 and above

7.005 DXpeditions CW are frequently here

7.110 QRP Novice/Tech CW Calling Frequency

7.171 SSTV

7.285 QRP SSB Calling frequency

7.290 AM Calling frequency

PSK31

30 METERS

10.106 QRP CW Calling frequency

10.110 -- DXpeditions CW are frequently here

PSK31

20 METERS

14.025 DXpedition CW Freq -- Usually Split

14.060 QRP CW Calling frequency

14.080 DXpedition RTTY Freq

14.080 to 14.100 Primary Range for RTTY

14.100 NCDXF Beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see **NCDXF/IARU International Beacon Network**

14.195 Rare DX & DXpeditions Frequently Operate SSB Here -- Generally Listening Up-Split

14.230, 14233, 14236 SSTV

14.285 QRP SSB Calling frequency

14.286 AM Calling Frequency

14.336 MHz County Hunters when ever 20 is open and mobiles are around. For More County Hunters Frequencies see -- **COUNTY HUNTERS**

Calling Frequencies

17 METERS

18.075 DXpeditions CW are frequently here -- Usually Split

18.080 CW QRP Calling Freq

18.110 NCDXF Beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see NCDXF/IARU International Beacon Network

18.130 SSB QRP Calling Freq

18.145 DXpeditions SSB are frequently here -- Usually Split

PSK31

15 METERS

21.025 Rare DX & DXpeditions Frequently Operate CW Here - Generally Listening Up-Split

21.060 QRP CW calling frequency

21.080 to 21.100 RTTY Primary Range

21.080 RTTY DXpeditions are frequently here

21.110 QRP Novice/Tech Calling Freq

21.150 NCDXF/IARU beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see NCDXF/IARU International Beacon Network

21.295 Rare DX & DXpeditions Frequently Operate SSB Here -- Generally Listening Up-Split

21.340, 21430 SSTV

21.385 QRP SSB calling frequency

PSK31

12 METERS

24.895 Rare DX & DXpeditions Frequently Operate CW Here -- Generally Listening Up-Split

24.910 QRP CW Calling FREQ

24.930 NCDXF Beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see NCDXF/IARU International Beacon Network

24.950 QRP SSB Calling Freq

24.945 Rare DX & DXpeditions Frequently Operate SSB Here -- Generally Listening Up-Split

PSK31

Calling Frequencies

10 METERS

28.025 CW Rare DX & DXpeditions Frequently Operate Here – Split

28.060 QRP CW Calling frequency

28.080 RTTY Rare DX & DXpeditions Frequently Operate Here -- Split

28.080 to 28.100 Primary Range for RTTY

28.1010 10/10 Intl CW Calling Frequency

28.110 QRP Novice/Tech Calling FREQ

28.190-28.225 Beacons

28.200 NCDXF/IARU beacons (**STAY OFF OF THIS FREQUENCY**) Many Hams rely on these beacons for propagation determination. For Details - see **NCDXF/IARU International Beacon Network**

28.380 10/10 SSB Intl Calling Frequency

28.385 QRP SSB Calling frequency

28.425 10/10 SSB Intl Calling Frequency – Another is 28.400

28.495 SSB Rare DX & DXpeditions Frequently Operate Here -- Split

28.600 Old General Callin Frequency - Still used by Old Timers

28.675~28.685 SSTV Operating Frequency -- IARU Region 1

28.680 SSTV Operations USA/Canada

28.825 10-10 Backscatter Net - Paper Chasers Net

28.885 6M DX Liaison Frequency -- Listen here for 6 Meter DX opening announcements and discussions.

28.945 FAX Operating Frequency

29.000-29.200 AM Operations

29.300-29.510 Satellite Downlinks

29.520-29.580 Repeater Inputs

29.600 FM Simplex - Calling Frequency

29.620-29.680 Repeater Outputs

PSK31

Calling Frequencies

SIX METER FREQUENCIES

50.06-50.09 Beacons

50.0-50.1 CW

50.090 CW Calling Freq

50.06 QRP CW Calling Freq

50.7 RTTY Calling Frequency

50.100 to 50.130 DX Window (USB)

50.110 DX Calling Frequency (USB) Usually Non-USA Stations Call Here.

50.115 DXpeditions Frequently operate CW and SSB here

50.125 USA National SSB Simplex Frequency (USB) Lots Of USA Hams Call Here For Local and Across Country

50.1-50.6 Weak Signal, AM

50.260 is the WSJT Meteor Scatter calling frequency in the USA

50.270 FSK Meteorscatter

50.300 FM Simplex Calling Frequency (West Coast)

50.385 USB PSK31

50.4 National AM Simplex Frequency

50.885 QRP SSB Calling Freq

51.910 FM Internet Linking

52.525 National FM Simplex Calling Frequency

6 Meter Simplex Frequencies --51.500 51.520 51.540 51.560 51.580 51.600 52.490 52.510 52.525* 52.540 52.550 52.570 52.590

Calling Frequencies

A Typical 6 Meter Band Plan.

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(May Vary From Region to Region)		
50.000 - 50.100 CW, Beacons 50.100 - 50.300 SSB, CW 50.100 - 50.125 DX Window 50.125 SSB Calling Frequency 50.260 WSJT Calling Frequency 50.270 FSK Meteorscatter 50.290 PSK31 (SSB)	50.300 - 50.600 All Modes 50.300 FM Simplex Calling Frequency (West Coast) 50.400 AM Calling Frequency	50.600 - 50.800 Digital 50.680 SSTV 50.800 - 51.000 Remote Control 51.000 - 51.100 Pacific DX Window 51.120 - 51.180 Digital 51.120 PSK31 (FM)
51.200 - 51.480 FM Repeater Inputs 51.500 - 51.600 FM Simplex 51.620 - 51.680 Digital 51.700 - 51.980 FM Repeater Outputs	52.020 - 52.040 FM Simplex 52.060 - 52.480 FM Repeater Inputs 52.525 FM Simplex Calling Frequency 52.540 FM Simplex	52.560 - 52.980 FM Repeater Outputs 53.000 - 53.020 FM Simplex 53.040 - 53.480 FM Repeater Inputs
53.100 Remote Control 53.200 Remote Control 53.300 Remote Control 53.400 Remote Control	53.500 Remote Control 53.520 FM Simplex 53.540 - 53.980 FM Repeater Outputs	53.600 Remote Control 53.700 Remote Control 53.800 Remote Control 53.900 FM Simplex

VHF TO DAYLIGHT BEACONS, CALLING AND SIMPLEX FREQUENCIES

VHF TO DAYLIGHT BEACONS -- 2 meters to 1 centimeter

Repeater Pairs and Simplex Frequencies - From The South Eastern Repeater Association

CALLING FREQUENCIES -- Courtesy of Rob Bellville and the Lincoln Amateur Radio Club

2M CW..... 144.100 MHz

2M QRP CW Calling Freq ----144.060

2M PSK 144.144 to 144.150

2M SSB..... 144.200 MHz

2M QRP SSB Calling Freq ---- 144.285

2M FM..... 146.520 MHz (National Simplex Freq)

1.25M PSK 222.07 to 222.15

1.25M CW..... 222.100 MHz

1.25M SSB.... 222.100 MHz

1.25M FM..... 223.500 MHz

70cm SSB..... 432.100 MHz

70cm PSK 432.2 and up

70cm FM..... 446.000 MHz

33cm CW/SSB.. 903.100 MHz

33cm FM..... 906.500 MHz

23cm FM..... 1294.500 MHz

23cm CW/SSB..1296.100 MHz

13cm CW/SSB..2304.100 MHz

Calling Frequencies

VHF/UHF/SHF SIMPLEX FREQUENCIES

2 METERS

146.400, 146.415, 146.430, 146.445, 146.460, 146.475, 146.490, 146.505, 146.535, 146.550, 146.565, 146.580, 146.595, 147.405, 147.420, 147.435, 147.450, 147.465, 147.480, 147.495, 147.510, 147.525, 147.540, 147.555, 147.570, 147.585

From the JPLARC in Southern California

144.31 to 144.375, unchannelized, 144.405 to 144.475, unchannelized 144.49 (International Space Station uplink: transmit here & listen to 145.80 for the downlink)

145.51 to 145.595, unchannelized

145.71 to 145.785 in 15 kHz steps (for fixed simplex base station use, i.e. IRLP, Echolink)

146.43 (ATV simplex only), 146.52 (national simplex), 146.535, 146.55 146.565 (local ARDF freq.; usable when there is no "T hunt" in progress) 146.58, 146.595, 147.48, 147.51, 147.525, 147.54, 147.555, 147.57

1.25 METERS

223.420, 223.440, 223.460, 223.480, 223.520, 223.540, 223.560, 223.580, 223.600, 223.620, 223.640, 223.660, 223.680, 223.700, 223.720, 223.740, 223.760, 223.780, 223.800, 223.820, 223.840

70 CM

445.9125 445.9250 445.9375 445.9500 445.9625 445.9750 445.9875 446.0000 *

446.0125 446.0250 446.0375 446.0500 446.0625 446.0750 446.0875 446.1000

446.1125 446.1250 446.1375 446.1500 446.1625 446.1750

* 446.000 is the National FM Voice Simplex Calling Frequency

900 MHz

National "Traditional" FM Voice Simplex Channels

(also for use with 25 MHz duplex offset radios)

906.000 to 907.000 MHz - channel every 25 KHz

906.500 - National Calling Frequency

1.2 GHz

1294.00 - 1295.00 Narrow Band FM simplex, every 25 KHz

1294.50 National simplex calling channel

Calling Frequencies

QRP CALLING FREQUENCIES -- USA

Qrp Power : The Best Recent Qrp Articles from Qst, Qex and the Arrl Handbook -- by Joel Kleinman (Editor), Zack Lau (Editor)

Buy the Book Today!

**NOTE 1. The ARRL Band Plan designates this as a RTTY DX frequency. See URL:
<http://www.arrl.org/FandES/field/regulations/bandplan.html#40m>**

BAND	CW	SSB
160M	CW--1.810	SSB -- 1.910
80M	CW-- 3.560	SSB --3.985
80M	CW-- 3.579 (Colorburst Crystal Frequency)	--
80M	CW--3.710 (Novice)	--
40M	CW--7.040 NOTE 1.	SSB --7.285
40M	CW--7.035 (QRP-L)	--
40M	CW--7.110 (Novice)	--
40M	CW--7.112 (NorCal crystals)	--
30M	CW--10.106	--
30M	CW-- 10.116 (QRP-L)	--
20M	CW-- 14.060	SSB --14.285
17M	CW--18.096	SSB --18.130
15M	CW--21.060	SSB --21.385
15M	CW-- 21.110 (Novice)	--
12M	CW--24.906	SSB --24.950
10M	CW--28.060	SSB -- 28.885
10M	CW--28.110 (Novice)	SSB --28.385 (Novice)
6M	CW-- 50.060	SSB --50.885
2M	CW--144.060	SSB --144.285
2M	--	FM--144.585

**NOTE 1. The ARRL Band Plan designates this as a RTTY DX frequency. See URL:
<http://www.arrl.org/FandES/field/regulations/bandplan.html#40m>**

Calling Frequencies

QRP CALLING FREQUENCIES -- EUROPE

Qrp Power : The Best Recent Qrp Articles from Qst, Qex and the Arri Handbook -- by Joel Kleinman (Editor), Zack Lau (Editor)

Buy the Book Today!

BAND	CW	SSB
160M	--	SSB --1.843
80M	--	SSB --3.690
80M	--	SSB --3.690
40M	CW--7.030	SSB --7.090
40M	CW--7.060	--
15M	--	SSB --21.285
10M	--	SSB -- 28.360
6M	--	SSB --50.285

ISLAND HUNTER FREQUENCIES (IOTA) IOTA CW: 3.530, 7.030, 10.115, 14.040, 18.098 and 21.040 MHz

IOTA SSB: 3.755, 7.060, 14.260, 18.128, 21.260, 24.950, 28.460 and 28.560 MHz

US Island Hunters: 7.250, 14.250 to 14.260 (main), 21.350, 28.450 MHz

CW - anywhere.

COUNTY HUNTERS NETS AND CALLING FREQUENCIES

From The County Hunter Web

County hunters usually can be found participating in the Emergency and Mobile County Hunters Net. This net is in operation almost any time band conditions allow. Generally, these times are 1300 to 2200 UTC, but they can be extended when there are active mobiles.

The primary SSB operating frequency of the county hunting net is 14.336 MHz, and is considered the net home frequency. A secondary net usually is in operation at 7.185 MHz, except between 1545 to 1700 UTC, when it moves to 7.243 MHz. Occassionally, mobile operators will shift to other bands. The usual frequency on 75 meters is 3.903 MHz, while 15 and 10 meters are at 21.338 MHz and 28.336 MHz

The CW operating frequencies of the CW net can be found at 14.0565 MHz on 20 meters and 7.0385 on 40 meters. The frequency on 30m is 10.1225 These nets are not as active but put out a call, and someone will usually come back. The abbreviation "CHN" is used to designate the net.

Calling Frequencies

COMMON PSK31 FREQUENCIES

The plan for PSK31 activity has always been (since PSK31 started) to concentrate activity starting from the bottom edge of the IARU RTTY bandplan, expanding upwards as activity increased. The exception is in the 10 mts band in order to give non full privileges ham to meet. It was defined as 150 Hz above it. Keep in mind that all you need is about 100 Hz as channel separation.

These recommended frequencies are in accordance with the IARU bandplan for region 1. There may be differences for regions 2 and 3

1838.150

3580.150

7035.15 for region 1 and region 3, and 7080.15 for region 2 *

10142.150

14070.150

18100.150

21080.150 (although most activity can be found 10 kHz lower)

24920.150

28120.150

* This is due to the fact that the 7 MHz band is much wider in region 2 (the Americas), and the IARU bandplan reflects this.

HF Portable Calling Frequencies

BAND	CW/Data	SSB
160M	--	SSB -- 1.8495 LSB (Regions 1 & 3)
160M	CW/Data -- 1.8075	SSB -- 1.9125 LSB (USA)
80M	--	SSB -- 3.6875 LSB (Regions 1 & 3)
80M	CW/Data -- 3.5775	SSB -- 3.9975 LSB (USA)
40M	--	SSB -- 7.0875 LSB (Regions 1 & 3)
40M	CW/Data -- 7.0675	SSB -- 7.2475 LSB (USA)
30M	CW -- 10.1175	--
30M	CW/Data -- 10.1375	--
20M	CW/Data -- 14.0975	SSB -- 14.3425 USB
17M	CW/Data -- 18.1075	SSB -- 18.1575 USB
15M	CW/Data -- 21.1075	SSB -- 21.4375 USB
12M	CW/Data -- 24.9275	SSB -- 24.9775 USB
10M	CW/Data -- 28.1075	SSB -- 28.3375 USB
6M	--	SSB -- 50.1625 USB



ARRL Midwest Division Convention

& Summerfest 2011

August 5-7, 2011

Cedar Rapids, Iowa

Sponsored by Cedar Valley ARC

<http://convention2011.cvarc.rf.org>



Friday & Saturday, August 5th & 6th:

Clarion Hotel & Convention Center - Cedar Rapids, Iowa (IA)

525 33rd Avenue S.W., Cedar Rapids, Iowa 52404

- **Friday August 5th (3 – 6 PM), "OMAP/BeagleBoard-xm" embedded computer tutorial**— focusing on amateur radio and SDR uses of the technology
- **Saturday August 6th evening Banquet** – *Limited Seating*, please register early!
Banquet Speaker: ARRL President, Kay C. Craigie, N3KN
- **Saturday August 6th Forums and Presentations** from 8 AM to 4 PM

ARRL Presentation and Informal Meeting Area	DX Forum
Numerous Technical Presentations	Classic Radios by Joe Veras K9OCO
Operating topics	Kit Building (AAØZZ CW keyer, NMØS "HamCan" QRP)
Youth in Amateur Radio Forum	Free Admission for kids 12 & under
- **ARRL-sponsored VEC session** 9 AM Saturday (convention registration not required)
- **ARRL Award Field checking** of QSL cards
- **Wouff-Hong Ceremony**

Registration deadline for banquet is August 1st, 2011 Kit building order cutoff is July 22nd, 2011
 Banquet seating and kit building event numbers are limited; first come, first serve, so register early!
 CHECK the <http://convention2011.cvarc.rf.org> website for updates and additional details as they become available or contact Barry Buelow, WØIY, at convention2011@rf.org



Summerfest 2011

Sunday, August 7th 8:00 AM - 1 PM \$5 at door

Eastern Iowa's premier Hamfest

Location:

Teamster's Hall
5000 J Street SW
Cedar Rapids, IA 52404

Talk-In:

146.745 MHz -600 KHz no PL
or
146.520 Simplex

- **LARGE outdoor free flea market**, plenty of FREE parking.
- Well known vendors including **Radio City** and **WBØW**.
- Indoor Tables, in air conditioned comfort, are **\$10** each.
- Vendor Setup August 6th evening and 6 AM August 7th see <http://cvarc.rf.org> for details.
- **ARRL VEC testing** available starting at 9:30 AM.



ARRL Midwest Division Convention



Friday & Saturday, August 5-7

Clarion Hotel & Convention Center - Cedar Rapids, Iowa

Friday, August 5, 2011 events:	Quantity	Price ea.	Subtotal
BeagleBoard-XM/OMAP Embedded processor uses in Amateur radio demo and tutorial (INCLUDES Saturday Convention) Advance registration required. Limited seating! Bring your board and laptop! See our website for more details		\$20	

Saturday, August 6, 2011 events:	Quantity	Price Ea.	Subtotal
Convention Registration		\$10	
Banquet Ticket Featuring ARRL President Kay Craigie N3KN AUGUST 1 st Deadline or until sold out—register early!		\$35	

Saturday, August 6, 2011 extras:	Quantity	Price Ea.	Subtotal
Kit Building: AAØZZ PIC Keyer Kit JULY 22 nd deadline or until sold out—register early!		\$20	
Kit Building: NMØS "HamCan" 40m QRP transceiver JULY 22 nd deadline or until sold out—register early!		\$30	
VEC Testing (Pay VEC fee at the test session)		Reg NOT Required	
Wouff Hong (Convention Registration Required)		No Charge	
Please make checks out to: Cedar Valley ARC	Total	\$	

Sunday, August 7, 2011	Quantity	Price Ea.	Subtotal
Summerfest (Hamfest at Teamsters Hall approx 1 mile from hotel)		\$5 Please pay at the hamfest	

Name: _____ Call: _____
 Address: _____
 _____ email address: _____
 _____ Telephone Number: _____

Mail this form to: **Convention**
Cedar Valley Amateur Radio Club
P.O. Box 2352
Cedar Rapids, IA 52406-2352

Please contact the Clarion Hotel directly for rooms. Request the "ARRL Midwest Convention" rate of \$90/night by July 22nd, 2011. Reservations: 877-949-2992 Fax: 319-362-1420 Hotel Direct: 319-366-8671. For more information see <http://www.clarioncr.com>



P.O. Box 8465, Rockford, IL 61126

Website: www.w9axd.org

E-mail: jholich@comcast.net

Nets

Monday 8 PM	RARA Info.	146.610 - 114.8
Thursday 7 PM	ARES	147.255 + 114.8
Thursday 8 PM	SATERN	146.610 - 114.8

place address label here

August 2011

ROCKFORD AMATEUR RADIO ASSOCIATION MEMBERSHIP APPLICATION

Single Adult: \$25.00 Adult w/Family: \$30.00
 Single Senior: \$15.00 Senior w/Family: \$20
 Student: \$15.00

Above rate includes the RARA monthly newsletter, Ham Rag, via email.

Ham Rag Via U.S. Postal Service: \$12.00 extra

Name _____ Call Sign _____

Address _____

City _____ State _____ Zip _____

Home Phone _____

Work Phone _____

Email _____

Renewal _____ New _____ Retired _____

Radio Interests _____

Other Interests _____

Suggestions: _____

RETURN COMPLETED FORM TO:

ROCKFORD AMATEUR RADIO ASSOCIATION
 P.O. BOX 8465
 ROCKFORD, ILLINOIS 61126