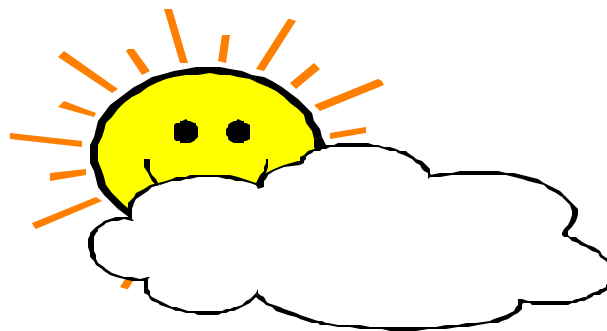




CAPERS

Candlewood Amateur Radio Association - Post Office Box 3441 - Danbury, CT
Visit us on the Web at <http://www.danbury.org/cara>

President – Frank Etzler – N8WXQ - phone - 860-350-3523
Vice President – Harlan Ford – KB1ILY – phone- 203-798-8096
Secretary – Martha Babbitt – KB1IES - phone - 860-350-8804
Treasurer – Bill Webb – W1AFX - phone - 203-775-0536



Meeting: Friday, May 12 at 8 p.m.

Issue: May 2006

MESSAGE FROM THE PRESIDENT

I trust all are enjoying the spring weather.

The New England QSO Party gets underway May 6 and 7. I hope that each member will have a chance to put New England on the air for at least a few QSO's. I hope you have fun with this event. I know that the crew operating W1AW will have fun. (Ed. Note: for more info: www.neqp.org)

The CARA 6m repeater is coming together. There will be a new controller with voice ID. The coordination process is ongoing with other coordinating organization in neighboring areas. No problems are anticipated. In the summer months we can expect some sporadic E skip for other states to come in on 6m. The repeater should be good for some long distance communications as well.

Unfortunately, our last meeting at St. Paul's Church will be the June meeting. The Church has decided to use the meeting room for other activities. Several alternate sites have been identified. The new meeting location will be announced as soon as arrangements have been confirmed.

I will give this month's program and the topic will be mechanical television in the 1920's



and 1930's.

This year is the 100th anniversary of voice communication over the air. It is also the 80th anniversary of television. The accomplishments of Charles Jenkins and John Logie Baird in the 1920's and 1930's established the market for television communications. I hope that you will be excited to learn more about the dawn of television. Both ATV and narrow band television offer exciting technical challenges



Early TV experiments of John Baird

to amateurs. Ed Gable, K2MP, curator of the AWA museum, a few years ago recreated the transatlantic television communications that were done during the dawn of television.

I look forward to seeing each of you to the meeting.

73 de Frank, N8WXQ

Meetings

CARA's regular meeting in May and June will be held on the second Friday of the month beginning at 8 p.m., at St. Paul's Church Hall, Brookfield Center, CT. Informal "rag chewing" begins at 7:30 p.m. After the June meeting, the club will be meeting at a new, yet-to-be-announced location.

April Yankee Clipper Meeting Focuses on Contesting for the Non-Contester

Special thanks to Mike W1JQ and Dave W1CTN as well as our own Dan W1QK for an informative meeting and program in April on contesting for the non-contester. Mike and Dave represent the Yankee Clipper Contest Club (YCCC) and delivered an informative presentation on getting started in contesting. Dan covered the in's and out's of VHF contesting.

Mike pointed out that he generally uses medium power—a hundred watts or so—and wire antennas, so contesting is not a sport only for the ham with lots of high-power equipment and rotor-driven beam antennas. Certainly antenna location is important—high and in the direction you're hunting for contacts—as is frequently calling CQ, a point that Dan emphasized as well for VHF contesting. Whether HF, VHF or UHF, never assume no one is on the band just because it's quiet. Call, and you have a good chance someone will hear you and respond.

For more information about contesting, logging software and upcoming contest events, here are some Web sites to start your search:

www.ycc.org, www.writelog.com,
<http://n1mm.com>,
www.hornucopia.com/contestcal/,
www.arrl.org/contests/calendar.html

CARA Standing Committees

Just a reminder to all members that these are the standing committees that help make CARA run. Our members and their ideas are our strength. Sign up for one of these committees if you have not already done so. Talk to any of the club officers at a regular meeting!

Repeater and Digital Equipment

Repeater coordination
Repeater maintenance

Packet cluster maintenance
Other digital equipment

Operating Activities

Field Day- June 2006
New England QSO Party – May 2006
WACC
Special event station or fall contest

Hamfest

Plan and organize – September 2006
Publicity

Membership

Annual dues notification and follow up
Annual new member drive

Education and Elmering

Organize or sponsor class for entry-level license
Organize Elmer support network for new hams
Organize two 3-person ARES deployment teams

Program Committee

Organize and arrange monthly program
Staff and Net Control for Sunday 7:30 p.m. CARA net
CARA CAPERS newsletter

Nets

CARA Weekly Net: Sunday nights at 7:30 p.m. 147.30+ (PL 100)

CW Connecticut Net, Nightly, at 7 p.m. on 3.640. “*Newbie Night*” Thursdays.

WestConn Net: Nightly at 8:30 p.m. 147.18+ (PL 114.8)

Tips Net: Tuesday evenings at 7:30 p.m. on 146.73- (PL77) (linked statewide).

R-Com Weekly Net: 145.47- (PL100) Thursday Evenings, 8 p.m.

ConnARES Local VHF Net (now part of Area 5) : Second Monday of each month, 8 p.m. on CARA repeater: 147.30+ (PL 100)

Conn ARES Issues Net: 3.965 mHz +/- on Thursdays @ approx. 6:15 p.m. (following CT Phone Net).

CARA Nominating Committee Note

At the April CARA meeting, Ken KD1DD accepted the position of nominating committee chairman for 2006. A motion was made, seconded and carried that the current slate of officers and directors be re-nominated for 2006-2007. Others interested in running for any of these positions or in nominating individuals for these positions are invited to do so at the May meeting.

VE Schedule for 2006

Please make a note of the Volunteer Examination schedule for the remainder of 2006:

June 3rd (at St. Paul's Church)

September 16th (location to come)

December 2nd (location to come)

For additional information on what you need to bring with you, and to advise Frank that you plan to attend a VE session, please contact Frank, N1PE, frsileo@att.net.

W1AW 2006 Spring/Summer Operating Schedule

Morning Schedule:

Time Mode Days

1300 UTC (9 AM ET) CWs Wed, Fri

1300 UTC (9 AM ET) CWf Tue, Thu

Daily Visitor Operating Hours:

1400 UTC to 1600 UTC - (10 AM to 12 PM ET)
1700 UTC to 1945 UTC - (1 PM to 3:45 PM ET)

(Station closed 1600 to 1700 UTC (12 PM to 1 PM ET))

Afternoon/Evening Schedule:

2000 UTC (4 PM ET) CWf Mon, Wed, Fri
2000 " " CWs Tue, Thu
2100 " (5 PM ET) CWb Daily
2200 " (6 PM ET) RTTY Daily
2300 " (7 PM ET) CWs Mon, Wed, Fri
2300 " " CWf Tue, Thu
0000 " (8 PM ET) CWb Daily
0100 " (9 PM ET) RTTY Daily
0145 " (9:45 PM ET) VOICE Daily
0200 " (10 PM ET) CWf Mon, Wed, Fri
0200 " " CWs Tue, Thu
0300 " (11 PM ET) CWb Daily

Frequencies (MHz)

CW: 1.8175 3.5815 7.0475 14.0475 18.0975
21.0675 28.0675 147.555
RTTY: - 3.625 7.095 14.095 18.1025 21.095
28.095 147.555
VOICE: 1.855 3.990 7.290 14.290 18.160
21.390 28.590 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

RTTY = Teleprinter Bulletins = BAUDOT (45.45 baud) and AMTOR-FEC (100 Baud). ASCII (110 Baud) is sent only as time allows.

Code practice texts are from QST, and the

source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2230 UTC (6:30 PM ET), Keplerian Elements for active amateur satellites are sent on the regular teleprinter frequencies.

CLASSIFIED ADS

CARA club member George, K2ZZ, has established Radio Oasis and is offering CARA members a 5% discount on any purchases made. You can check out George's Website at www.radio-oasis.com. George will also be at the September 17 CARA Hamfest at Edmond Town Hall, Newtown.

OLD VHF GEAR CAN HELP NEW HAMS GET ON THE AIR

As you know, Don KB1IET and Martha KB1IES have been busy conducting student ham radio training classes. As youngsters graduate, nothing helps sustain enthusiasm like getting on the air. But for some, a VHF handheld or mobile "base station" may not be something they can purchase right away. Check around your shack and storage bins for old gear that you're no longer using, or that has some minor problems, but that a youngster could use to at least get on the air and bring up the CARA repeater. If you do have equipment new hams could use, send me an e-mail c/o barry at connollyco.com and I'll maintain a list.

(Almost) All Quiet on the Ham Radio Front

Here's a quick trivia quiz courtesy Bill N1TIW:

A wartime ban on amateur radio was nearly made permanent. During which war was this ban enacted?

1. The Vietnam War
2. World War II

- 3. World War I
- 4. The Korean War

The answer is on page 6 of the newsletter.

Do You Have a Station Notebook?

Our thanks to Bill N1TIW for finding and forwarding this article suggestion on keeping a Station Notebook—an accessory every amateur can put to good use and for very little cost.

A Station Notebook captures important information about your station for later reference. It's useful for every frequency and every mode—and from QRP operator to ARES communicator to DXer and contester. A Station Notebook is a collection of technical and operational details specific to your station, documented in a journal. It's a living document that grows over time. What do you include in a Station Notebook?

Here are some ideas to get you started:

- A block diagram of your station
- A diagram of antenna connections to your equipment
- A list of equipment and serial numbers (useful too for insurance purposes)
- Photos of your shack and working area set-up
- Antenna descriptions and dimensions, also the year antennas were put in service so you know when to refurbish them
- A record of measured SWR vs. frequency for each antenna; what bands each is best for, as well as directional advantages for fixed-wire antennas
- Radio memory settings for stored frequencies and for antenna tuner settings at various frequencies for different rigs
- Station RF exposure measurements

- Results of radio tests and experiments
- Operating frequency charts, and favorite frequencies by season, time of day etc.
- Where key reference books and manuals are stored
- Descriptions of changes, additions and modifications to equipment.
- Your own ideas for records you'd like to keep handy...

Your notes can be as simple or as detailed as you like, but having a formal record is a great way to keep a handy reference available in the shack when you need it, and to enhance your enjoyment of our hobby!

FCC WRC-03 Amateur Rule Changes Now in Effect

NEWINGTON, CT, May 3, 2006--Several FCC Part 97 Amateur Radio rule revisions to implement changes agreed to at the international level during World Radiocommunication Conference 2003 (WRC-03) now are in effect. The FCC ["Order,"](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-06-79A1.pdf) released in January, affects §97.111, Authorized transmissions; §97.113, Prohibited transmissions; §97.115, Third party communications, and §97.117, International communications. The Federal Register published the changes May 3.

"These amendments will ensure that the Commission's Amateur Radio Service rules conform to Article 25 of the international Radio Regulations adopted at the 2003 World Radiocommunication Conference, and will further the Commission's ongoing efforts to streamline its Amateur Service Rules," the FCC Order said. "The overall effect of this action is to update the Part 97 Amateur Radio Service rules in the Code of Federal Regulations to conform to now-effective international agreements."

The FCC Order revises:

* §97.111(a)(1) to permit "transmissions necessary to exchange messages with other stations in the Amateur Service, except those in any country whose administration has notified the ITU that it objects to such communications. The FCC will issue public notices of current arrangements for international communications." The old language permitted communication among amateur stations in different countries "except those in any country whose administration has given notice that it objects to such communications."

The FCC said the change does not prejudice its consideration of comments to rule changes it's proposed to §97.111(a)(2) in WT Docket 04-140--the so-called "Omnibus" proceeding that covers a wide range of rule changes and proposals. The Commission has proposed amending that rule section to clarify that amateur stations may at all times and on all authorized channels transmit communications necessary to meet essential needs and to facilitate relief actions.

* §97.115(a)(2) to facilitate the transmission of international communications on behalf of third parties in emergency or disaster-relief situations, whether or not a third-party agreement is in place between the US and the countries involved. The revision now permits communication with any non-US station "when transmitting emergency or disaster relief communications" as well as with any non-US station "whose administration has made arrangements with the United States to allow amateur stations to be used for transmitting international communications on behalf of third parties."

The revised rule further provides that no station may transmit third-party traffic other than emergency or disaster relief communications to a station whose government has not made a third-party arrangement. Still excepted from the prohibition is any third party eligible to be the

control operator of an amateur station.

* §97.113(a)(4) to prohibit amateur stations exchanging messages with amateur stations in other countries from making transmissions that are encoded for the purpose of obscuring their meaning, except for control signals exchanged between Earth command stations and space stations in the Amateur-Satellite service, something Part 97 already provides for. The old rule referred to the use of "codes and ciphers."

The same rule also already prohibits transmitting music, communications intended to facilitate a criminal act, obscene or indecent words or language and false or deceptive messages, signals or identification.

* §97.117 to state that amateur stations may transmit communications incidental to the purposes of the Amateur Service and to remarks of a personal character.

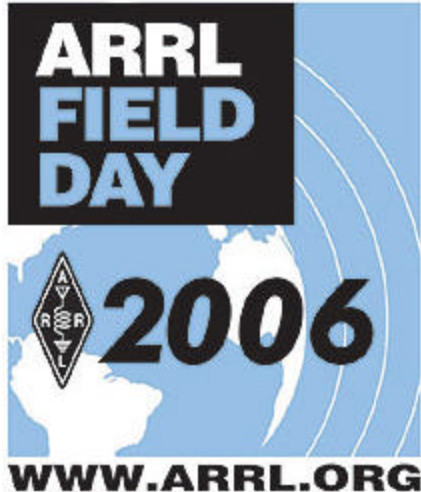
The FCC also revised §97.3 and 97.309 to update the definition of International Morse code and of various digital codes in the amateur rules to reflect changes in the Radio Regulations.

(Courtesy KZ1Z and ARRL Web)

(Answer to trivia quiz: #2)

**SPECIAL FIELD DAY
SUPPLEMENT
and poster*
FOLLOWS!
COURTESY OSCAR KB1LQV**

**Feel free to copy and display posters
in your area!*



Candlewood Amateur Radio Association

Field Day - 2006

Cadigan Park – Brookfield CT

Set up – Friday – June 23

Operation – Saturday – June 24

Operations – Sunday – June 25

Field Day 2006 – May 2006

This year Field Day is a very special event. With all the activities of the last year and with Hurricane season upon us again, it's important we refresh our abilities to operate in the field and exercise our skill and demonstrate how ham operators can be there "when all else fails". In addition we are celebrating 100 years of voice over radio worldwide. We'll be inviting the public to come say hello and see how Amateur Radio works when all else fails.

All the preparations are well underway for CARA to be able to display and operate two stations (you'll get the details at the meeting), a public information tent, and of course food to keep the operators well nourished.

It's all about the fun, food, and field operations and as a bonus we get points for all we accomplish. Since you are all familiar with the fun, food, and operating procedures, let me go over the way we get points (I'm sure this is only a reminder to most).

First of all, the object of the point system is to work as many stations as possible on any / all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

Basic Point System

Primarily points will come from QSOs that you make during Field Day. Basically the point system works like this.

QSO Points

Phone contacts count one point each.
CW contacts count two points each.
Digital contacts count two points each.

Power multipliers

The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

If all contacts are made using a power of 5 Watts or less *and* if a power source other than commercial mains or motor-driven generator is used (batteries, solar cells, water-driven generator), the power multiplier is 5.

If all contacts are made using a power of 5 Watts or less, but the power source is from a commercial main or from a motor-driven generator, the power multiplier is 2.

If any or all contacts are made using an output power up to 150 Watts or less, the power multiplier is 2.

If any or all contacts are made using an output power greater than 150 Watts, the power multiplier is one.

The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event. (Example: a group has one QRP station running 3 Watts and a second station running 100 Watts, the power multiplier of 2 applies to all contacts made by the entire operation).

Bonus Points

Bonus points are earned by each of the following.....and WE have 400 bonus points “in the bag” and are working on more!!

- 100% Emergency Power (we'll operate off generators)
 - 100 points per transmitter classificationDONE !!!
- Media Publicity
 - 100 points for attemptDONE !!!
- Public Location
 - 100 pointsDONE !!!
- Public Information Table
 - 100 pointsDONE !!!
- NTS Message to SM or SEC
 - 100 points
- Message Handling

- 10 points per message (max 100 points)
- Satellite QSO
 - 100 points
- Alternate Power
 - 100 points for 5 QSOs on battery charged by solar
- W1AW Bulletin
 - 100 points for copying the special Field Day bulletin from W1AW
- Non-Traditional Mode Demonstrations (APRS, ATV, SSTV)
 - 100 points for each (max 300 points)
- Site visit from elected official
 - 100 points for one visit
- Site visit from representative of served agency
 - 100 points for one visit
- GOTA Bonus (we do not plan to operate a GOTA station this year)
 - N/A
- Web submission
 - 50 points for web submission
- Youth participation
 - 20 points per QSO from operator less than 18 (max 100 points)

This is in addition to the points for each QSO.

NOW FOR YOUR PART!

We're counting on you to start **now** to publicize the event among your friends, family, church, social and service organizations you may contact. A special attachment to this month's CAPERS is the invitation poster. Feel free to print a few locally and post anywhere you can. We'll have some at the meeting to pass out as well.

Also, think about calling your local mayor / first selectman, fire chief, chief of police, and emergency management person in your town to invite them to stop by. All surrounding towns elected officials will receive a written invitation but a call from you (a voter) may prove more influential than a written invite. We hope to have representatives from the Red Cross and Salvation Army join us for a short visit as well.

Finally, make your plans to be there on Friday (June 23) to help us set up and sign up for your "turn as the wheel" as we operate around the clock on Saturday and Sunday. Official 2006 Field Day pins are ready and waiting for those who show up to help.

You'll be hearing more about Field Day at the meeting and we'll be glad to answer any of your questions. The June meeting is dedicated to Field Day and the preparations needed to make this year's field day the best ever.



Come say "Hello"

Candlewood Amateur Radio Association
Invites you to join us for a "day in the field"

Demonstrating HAM radio operations and
emergency response communications

CADIGAN PARK

500 Candlewood Lake Road

SATURDAY – JUNE 24, 2006 1 – 5PM

SUNDAY – JUNE 25, 2006 10AM – 2PM

