

C.A.R.A. Capers

July 1993

This Month:
Election Results
Helpful Hints
Want Ads
Presidential Notes
Swimathon Info
Wordsearch Puzzle

The Monthly Publication Of The Candlewood Amateur Radio Association.

MEET THE PREZ

CARA's new President, Paul Kleppin, WS1Q, of New Milford, first experienced the wonder that is radio aboard the ship, U.S. Coast Guard Chautauqua, near Japan in about 1958. He was duly impressed when the Coast Guard phone patched him to his future wife who was in New York attending school.

Over the years his interest turned to amateur radio and he was licensed in 1977 and he advanced to Extra Class as recently as '91.

Paul frequents HF and for good reason. His family is out west where he grew up and for years he had weekly contacts with his father through phone patch. In fact his last contact with his ailing father was via the Yakima, Washington ham who patched him through for home visits.

Paul occasionally talks to his sisters in Hawaii via patch and has a brother, NIKTY who is a ham, now retired in Alabama.

About ten years ago he became involved in facilitat-

ing phone patch traffic for South American Missionaries. Many missionaries become hams so that they could contact the United States. When Paul received such radio contacts, he then made the phone patches, either locally or long distance collect, from the missionary families.

President Paul became a V.E. in 1991 to give something back to ham radio he says. Not being technically oriented, I see V.E. service as a great way to participate in radio for the good of many.

Oddly, with all his long distance communication, Paul never got hooked on contesting. His first serious effort at contesting was the recent Connecticut QSO Party, where he took 1st place in the Connecticut Single Operator category, with a hefty 2,612 points.

Paul, a materials manager for 25 years and his wife, Louise, have lived in New Milford for 28 years. They have two grown children, Pamela and Steven in the Danbury area.

Election Results

The turnout for the June meeting was wonderful. We had a good night for elections. We voted for president, vice president secretary, treasurer, and 3 directors. The results are as follows:

President
Paul Kleppin, WS1Q

Vice President
Jon Radder, KA1RLX

Secretary
Jay Albano, N1NRP

Treasurer
Jerry Donais, N1JZQ

Directors
Pete
Kemp, KZ1Z

Wayne
Millican, WA1PMA

Harold
Keenan, KB1US

The entire club membership wishes each official the heartiest and warmest of congratulations and the best of luck for the upcoming year.

Congratulations

Hamfest - Sunday, September 19, 1993

Swimathon Needs Volunteers

How would you like to spend a day at the beach and have some radio fun too! On July 30th, Area 1 amateurs will be assisting in providing emergency and supportive communications for the annual Candlewood Challenge. This event is sponsored by the Danbury Chapter of the American Red Cross. Operators are needed to assist in making this Sherman to New Fairfield and back to Sherman swim, on Candlewood Lake, a safe one for everyone. The traditional route, Sherman to Danbury, has been changed due to the poor water quality in the lower portion of the lake.

The day's activities start at the Sherman Town park, at 5:30 a.m. and usually wrap up by 4:30 p.m. Don't worry, you don't have to stay the entire time. Operators are needed for shifts throughout the day. Special arrangements can be made to accommodate any schedule. Note that between 8:00 a.m. and 1:00 p.m. is the busiest time of the day, as the swimmers will be all over the lake. Operators are needed both on shore and in the boats. A rotation list will be established so everyone will have an opportunity to be join in the fun.

Operations will be conducted on the BEARS 224.32 repeater, PVRA/CARA 147.12 repeater and on simplex. If you have an HT be sure to bring it along, together with extra charged batteries packs and any accessories that you will be needing. Extra HTs may made available to operators, as required. If you have a name/call badge be sure to wear it, as only official radio operators will have access to

the main control area at the Danbury Town Park. Admission to the park is free for all radio operators.

While the Red Cross will provide picnic-type food at the control center, you may well wish to bring along your own goodies for boat snacks. Be sure to wear a hat and take along some sun block/lotion as there isn't any shade on the lake.

For more information, and to sign up, contact:

Rob Candee, N1FTW
Days : 262-4454
Evenings : 746-0843
(from 8:00pm - 10:00pm)
(Only Please)

It's a great time for all, so plan on being there.

Pete Kemp, KZ1Z - Area 1
RACES/ARES RO/DEC



CARA Minutes

For June 11, 1993

The meeting was opened by the President, Don Wicks, WB1DSB At 8:02pm. There was one visitor and six new members present. Some of the new members have not as yet received their call signs.

Joe, K1KZZ, up-graded from tech plus to general. A motion was made, 2nd and passed not to read the minutes of last months meeting.

Craig, N1ABY, gave a favorable treasurer's report. A Motion was made, 2nd, and passed to accept this report.

Glenn, WO1P, resigned his post as VEC liaison between the club and the ARRL. He said he did this to allow the new officers to appoint whom they choose when they take office.

Rob, N1FTW, volunteered to take over the Red Cross Swimathon this year. This is not normally a club function, but the Red Cross asked if we could do it this year.

The next thing on the agenda was the election of officers for the 1993/1994 season. The nominations were:

President:
Paul, WS1Q
Tom, N1GFE

Vice President:
Jon, KA1RLX
Jeff, WB3DLG

Treasurer:
Jerry, N1JZQ
Rob, N1FTW

**Candlewood Amateur Radio Association 2 Meter Net CHANGES TIME.
Beginning July 11, CARA Sunday evening Net will begin at 7:30.
This change will solve interference during the 8PM period. JOIN US!**

Secretary:

Jay, N1NRP
John, KA1KS

Directors:

Pete, KZ1Z
Wayne, WA1PMA
Harold, KB1US
Dan, W1QK
Craig, N1ABY

The election was then held with all paid-up members present voting. The nomination committee then retired to count the ballots. When they returned and before announcing the results, they presented the Golden Gavel Award to Don, WB1DSB. This was a first. The club usually doesn't present awards to it's out going officers.

The results of the election was as follows:

President:
Paul Kleppin, WS1Q

Vice President:
Jon Radder, KA1RLX

Secretary:
Jay Albano, N1NRP

Treasurer:
Jerry Donais, N1JZQ

Directors:
Pete Kemp, KZ1Z
Wayne Millican, WA1PMA
Harold Keenan, KB1US

There was no program as such at this evenings meeting, however John, N2DVX gave a talk on Field Day and computer logging was demonstrated. This type of logging will be used during Field Day this year.

The meeting was adjourned at 21:59

de Norm, N1ASU

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EQUIPMENT TESTING

By Richard Wallace - N1NED

One of the things I wanted to talk about last March at the monthly meeting was the new methods of electronic testing. Actually, the tests aren't new, but the methods of automating and collecting test data is.

A few years ago, testing was done in modules. One section would be setup for doing VFO calibration; another would do RF output; still others signal generation and sweep. Tests were set up with a scope and various calibrated instruments that were set to standards. This has changed dramatically in the last two years.

The tests are still the same, but the methods are automated by PC, MAC, and UNIX workstations. The key is digital signal processing; DSP for short. In order for RF receivers/transceivers to be tested with this new method, the configuration of the PC has to be changed. The big difference is a DSP board such as the IEEE 488, GPIB interface, and the right software.

One such system is sold by National Instruments. The software package they've developed can be used for each of the three platforms of PC, MAC, and UNIX. Lab View for Windows is one of them.

What makes Lab View state of the art is that with the proper instrument drivers; it can be interfaced with more than forty different instruments. The test is programed in Lab View by setting the test parameters, sampling rate method, and output. What makes this different

is that all data can be saved to disk in real time. What happens is that you've got a record of the test, the results of the test, probable life of the circuit, and a breakdown of course of action if the circuit failed. Once the test procedure is set up, it's used for repair or production testing.

Obviously, the benefit would be tremendous. Motorola is one company that is using automated testing, and apparently the overall results warrant its' use. Motorola claims 1 defect in 10,000 units. Their goal is 1 in 10 million by the end of the decade.

The future of this kind of testing will be advanced by RF design itself. One theory is that transceivers in particular could be tested by modem! Connect to a repair center with a standard comm program, then switch over to terminal emulation, the center then runs the tests and downloads it to a BBS for later retrieval. Far-fetched? Not really, some companies are already doing it. With the new method of real time data acquisition, this is not only possible today, but you'll probably see the time when a repair center will tell you what's wrong with your rig in an hour instead of six months.

Richard Wallace - N1NED

*Hope You Had A Safe
And Happy 4th Of July..*



*From The Staff Of The
Capers!*

Field Day Results And Stats..

About 70 club members and 50 members of the public together made CARA's 1993 FIELD DAY another big event in club history. FIELD DAY Chairman, John, N2DVX, said, "This is the best FIELD DAY yet, we had great weather, great band conditions, and most of all great participation and 1200+ contest contacts." The Novice station logged close to 100 contacts.

Four stations provided lots of action and the bands were kind to us this year. Twenty Meters and Forty Meters were especially busy. The nine antennas served well and we lost no operating time due to lack of operators.

Rich, W1FBS, manned the food tent and cooked up great eats for the 24 hour event. Everyone enjoyed their time around the table.

Diehard operators even took time to partake of the great fare.

Several new members and recent class graduates lent their hands and voices to the HF stations.

Antennas went up and came down without a hitch. Stations were on-line in timely fashion and everything was ready to roll at the appointed

hour of 2:00 PM Saturday. Tear down took only 1 hour and twenty minutes.

CARA contester, Dan, W1QK, says that our computer logging shows that we achieved a "respectable" score. Computer logging was new to many and seemingly enjoyed by all. Computer logging, relieves the club of hours and hours of tallying of the previously used paper logs.

There was no shortage of operators, even in the very early hours of Sunday, and no shortage of spectators who simply wanted to see CARA's impressive emergency operations in the park.

We look forward to great things on FIELD DAY '94.

de Jeannie - N1JZR

FOR SALE

*PK-88 TNC Like New
Latest Firmware A Real
Bargain At \$110.00
Call 426-8922 Ask For
Wayne - WA1PMA*

Former CARA
member, James
Kueppers, KA1GPG,
passed away in
Ridgefield, in June.
KA1GPG is warmly
remembered by many
in the club.

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VOLUNTEERS NEEDED!

Preparations for the annual September CARA Hamfest, the major fund-raiser for the club, are well underway. The next step is organizing the work force.

Many hands make light work and yours are needed. Volunteering and hour or two of your time the day of the 'fest is all that is needed - if we get enough people.

We need parkers, ticket takers, set-up people, tear-down people, talk-in help, food handlers, etc.

An organizational meeting will be held on Friday, August 20th at 8pm at my home. Please call me at 792-1845 if your are able to attend or if you are willing to volunteer but unable to attend.

73, Hal - KB1US

FOR SALE

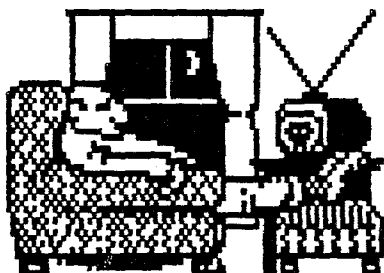
*2 Meter SSB/CW
Antennas, Pair Of
Cushcraft 3219 Yagis,
19 Elements On A 22
Foot Boom, Coax Power
Divider For Stacking.
All In Excellent
Condition. Entire
Package Only \$145.00
Dan - W1QK
775-9525*

Be An Author!

I'm looking for short articles that I could list under the new heading TECH TIPS. The information doesn't have to be earth shaking, it just needs to have general interest. It also doesn't have to be extremely technical, just helpful. It can be related to ANY ham subject from "HOW TO's" to "HAM SHORTCUTS". If you've found a better way to do something, share it with the rest of us, even computer related tips are acceptable. Don't



be shy, I'll give the submitter full credit for his or her tip. Think about it, your name in lights! Be famous! Have the undying gratitude of your fellow hams forever! And above all -- DO IT NOW!!



You're Not Still Sitting There, ARE YOU!!!
Get Up And Support Your Newsletter..

Your For Sale Message Could Go Here. If You Had Submitted It By The Deadline, The 25th Of Each Month, Your Item Could Be Sold By Now!!
Ads Are Free!!

How To Submit

We here at the Capers are actively soliciting ham related articles for publication. They can be original or from another source. If from another source, please state where the article originated.

Try to keep them relatively short, about 1 type written page or less. We will also accept larger submissions but may have to edit them down or place them in consecutive Capers.

To submit articles to me there are several different ways.

1st: If you have a computer you can upload them to a public BBS system in Redding called the Challenge BBS. Simply upload to them and in the description line state that it is for me, (Joe Simon), and leave me a message telling me it's there. The number for the Challenge BBS is (203) 938-8625.

2nd: You can save them using the ASCII format, place them on any LOW DENSITY diskette, that's a 360k 5 1/4 or a 720k 3 1/2 and get it to me and I will be able to use it just fine. Just be sure that it's in ASCII.

3rd: You can upload them to me directly over the landline. If you're not sure how that's done, call me at (203) 790-1891 and I will explain exactly how to do it. If my machine answers, leave a message and I'll get back to you.

4th: If the article is extremely short, just give me a hard copy of it and I will type it in. You can give me the hardcopy in person or you can fax it to me. Call the above number for more details.

If you would like to mail submissions to me my address is:

Joe Simon
P.O. Box 1101
Danbury, Ct. 06813-1101

Let's make the Capers great together. I hope to hear from you all soon.

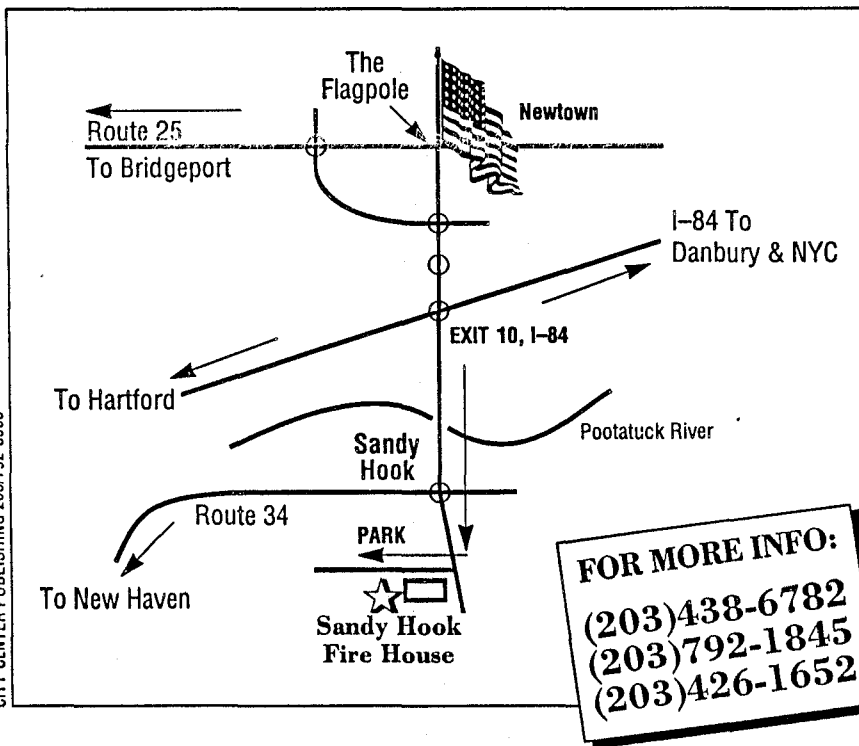
Thanks, Joe N1NBZ

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HAMFEST

SUNDAY, SEPTEMBER 19, 1993

Sandy Hook Firehouse, Riverside Road
Sandy Hook, Connecticut 8am-3pm



- ▲ Admission \$4.00
- ▲ Kids Under 12 Free
- ▲ Table Set-up at 7 am
- ▲ Tables \$10.00 (Includes 1 Admission)
- ▲ Tailgating \$6.00
- ▲ ARRL Sanctioned (Talk-In on 147.12+)
- ▲ Handicap Accessible
- ▲ HAM Radio Equipment
- ▲ Computers, Door Prizes
- ▲ Refreshments
- ▲ Ample Parking
- ▲ Rain or Shine

Candlewood Amateur Radio Association (CARA) **HAMFEST**, September 19, 1993
PO Box 3441, Danbury, CT 06813-3441

Name _____

Address _____ Phone _____

Please Reserve _____ Tables, at \$10.00 Each I Need Electricity I Do Not Need Electricity

Amount Enclosed (\$ _____) Please Enclose Check Payable to CARA (Limited F.C.F.S.)

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*** WORD SEARCH PUZZLE ***
 *** CARA CALLS ***

CARA CALL SIGNS

K1UOL	N1LDD
K4KFH	N1LGR
KA1EUE	N1LSP
KA1RLX	N1NBZ
KA1WAW	N1NCA
KB1US	N1NEC
KV1P	N1NEE
KZ1Z	N1NIS
N1ABY	N1NRP
N1ASU	N1OCM
N1EOF	NA1O
N1FTW	NO5O
N1GUU	W1QK
N1JZQ	WA1PMA
N1JZR	WB1DSB

I	O	G	K	A	W	J	F	R	Z	B	N	1	N	G	B	I	V	S	L	X	R	J
C	N	L	O	L	A	O	R	O	G	W	Q	N	1	N	E	E	I	S	A	S	X	Y
P	K	S	Z	H	B	Y	C	X	E	L	K	J	Q	A	H	O	W	J	O	B	W	C
D	Z	A	W	O	N	A	I	D	M	1	1	G	E	F	N	P	O	V	R	N	C	P
J	P	Q	S	W	L	1	G	W	G	E	N	N	F	X	S	M	I	O	H	I	F	T
B	C	1	Z	P	T	Q	A	N	K	1	U	O	L	S	P	E	N	Z	I	U	M	X
G	X	R	V	C	U	F	N	B	C	W	J	Q	C	N	U	N	J	A	T	K	E	Z
S	V	M	C	K	T	O	1	Z	Y	T	H	V	I	F	L	1	Q	R	Z	X	W	H
O	U	D	M	X	5	P	Y	N	S	Y	A	C	X	P	S	G	Z	L	W	Y	C	E
I	Z	1	D	O	N	R	A	J	J	O	E	K	T	B	I	U	J	N	B	F	X	C
P	B	F	B	T	1	N	W	B	M	O	4	D	X	K	X	U	1	W	K	S	L	B
S	I	G	Z	K	A	1	B	K	M	K	K	W	U	J	F	L	N	E	W	T	C	U
S	O	S	G	W	S	N	1	S	F	N	E	U	E	1	A	K	B	N	W	Y	C	E
D	L	V	E	B	U	L	D	H	A	J	R	H	Q	I	K	K	1	A	Q	E	L	R
Y	D	G	C	M	W	O	S	O	Z	P	N	L	F	Z	U	O	W	O	N	E	R	Z
A	K	L	Z	N	1	X	B	X	X	1	Z	E	L	E	C	1	Y	1	J	P	V	J
M	N	O	1	A	R	O	N	L	N	Z	G	N	N	M	A	U	N	I	S	I	L	1
P	X	L	N	N	S	Z	R	C	K	B	X	1	C	K	Z	A	X	L	X	O	J	N
1	R	F	E	H	1	1	A	Q	Y	O	P	N	T	S	Y	N	1	X	T	X	X	G
A	J	C	H	Z	A	M	1	S	C	O	H	I	W	I	X	N	J	P	L	Z	B	A
W	U	J	K	K	W	W	V	C	K	F	P	S	O	Y	W	F	F	Q	C	Y	G	K
K	G	W	F	K	I	I	U	A	Q	E	C	T	R	T	R	K	A	A	F	Z	U	M

THE WORDS HIDDEN IN THIS GRID MAY RUN:

HORIZONTALLY FROM LEFT TO RIGHT AND VERTICALLY FROM TOP TO BOTTOM
 HORIZONTALLY FROM RIGHT TO LEFT AND VERTICALLY FROM BOTTOM TO TOP
 DIAGONALLY IN ALL DIRECTIONS.

THE SOLUTION WILL BE PRINTED IN NEXT MONTHS CAPERS.

I HOPE YOU ENJOY THE PUZZLE!

JOE N1NBZ