



Scuttlebutt

No. 64 July 1986

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Captain's Cabin

Bill Santelmann, N1AU

It's summertime and the living is easy. A time to lean back and enjoy the warm weather and long daylight hours. Or perhaps to take a vacation trip with a handheld or mobile rig and meet some new friends by radio.

I hope you will include our next meeting, a lakeside Bar-B-Que, as part of your summer relaxation. It will be at the Sheraton Sturbridge Resort and Conference Center on Route 20 in Sturbridge, MA, our new "permanent" meeting place, on SATURDAY August 2. The official meeting will be from noon to 1 PM, followed by a Bar-B-Que served by the Sheraton from 1 to 2 PM only. It will include hot dogs, hamburgers, assorted salads (tomato, cucumber, potato, macaroni, marinated mushrooms), condiments, rolls and butter, corn on the cob, watermelon, soft drinks and coffee. A cash bar is available in the Sheraton or BYOB. We then have the use of the beach on the lake for swimming or socializing until 5 PM. There is no formal program to bore the spouses, so bring them along. The cost is \$11.00 per person, and reservations are necessary!

Please make your reservation with Charlotte, KQ1F, by Wednesday night, July 30 as follows:
Charlotte Richardson
11 Michigan Drive
Hudson, MA 01749
(617) 562-5819 (home)

(617) 568-6588 (work)

or via the AK1A YCCC PCBS on 144.95 MHz by leaving a message for either KQ1F or K1XM.

The YCCC packet net is expanding nicely. The AK1A packet BBS is on 24 hours a day on 144.95 MHz in Amherst, NH. If you live to the south, try connecting via K1XM in Hudson, MA. If you live to the west, try digipeating through KY1H in Peru, MA, who will be on 144.95 daily from 8 to 9 PM when he is home. He has an excellent location and is a key digipeater for getting over the Berkshires on 145.01. Dave says he can service western Massachusetts, western Connecticut, eastern New York, and southern Vermont. By contest season, I understand from AK1A that K1KI will be running a second AK1A-style PCBS in Unionville, CT, which will be linked to AK1A through KY1H.

I hope you will give packet a try. It is an excellent way to communicate with other YCCers. He or she does not have to be on the air when you send your message. You can store a message on the PCBS to be picked up minutes, hours, or days later, and error-free, too! You can use it for sending articles to K1XM for the **Scuttlebutt**, for arranging operators and antennas, and even find what juicy DX stations have been heard recently on your favorite band. If you hear something good, you can announce it to the rest of us on the PCBS. Or you can just socialize and get to know other members better. You can even exchange digital logging and duping programs. In short, packet promises to improve communications immensely.

Our following meeting will be at the Boxboro ARRL convention on Saturday, October 18. I have asked for a four hour slot for the YCCC from 1 PM to 5 PM but at present have no assurance that we will be given this much time. I have presented a tentative program including a formal YCCC meeting from 1 to 2 PM, followed by three hour-long programs. One could be on 80 meter loop arrays by K1GQ, another might be on the YCCC DX and contest spotting packet net, and a third could be a panel discussion on DXing and contesting strategies by our club experts for each band. This program should be discussed and resolved at our August meeting. I'd like also to see a YCCC table set up for the full duration of the convention to pass out information on the Club and attract new members.

Directions to the Next Meeting

The new meeting place for the YCCC is the Sheraton Sturbridge Resort and Conference Center located on Route 20 in Sturbridge, Massachusetts, $\frac{1}{2}$ mile West of I-84 (first exit off I-84 when coming South from the Mass. Turnpike). Directions to the Sheraton are easy: Exit I-84 on to Route 20 West. You will pass through two sets of stoplights while noticing several motels on your right. Make a right turn just prior to the Burger King sign. This is the entrance to the Sheraton, and there is plenty of parking in front of the hotel.

The meeting dates have been set for the rest of 1986/1987 and are as follows:

DATE	DAY	DELI-LUNCH
August 2, 1986	Saturday	Lakeside Bar-B-Que
October 18, 1986	(Meeting to be at Boxboro)	
December 7, 1986	Sunday	11:30 AM
February 7, 1987	Saturday	11:30 AM
April 5, 1987	Sunday	11:30 AM
June 6, 1987	Saturday	11:30 AM
August 2, 1987	Sunday	Lakeside Bar-B-Que
October 3, 1987	Saturday	11:30 AM
December 6, 1987	Sunday	11:30 AM

Note that the official meeting time for all meetings is the traditional 1:00 to 4:00 PM with the exception of the Lakeside Bar-B-Que dates in August, when the meeting is from 12:00 to 1:00 PM with the cookout to follow.

Floating

Paul Young, K1XM

July is a good time for reflecting on the past contest season. The last contest of the season, the half-radiosport is over. For me it's been quite a year.

There have been some good things: I went on my first contest DXpedition, and we won multi-multi for the world (OK, so it was SSB). I tried multi-2 in the ARRL contest, and it was a fun way to operate my station. I finally got my R-100 oblast award (class 2), so all that "spasibo za QSO" stuff paid off.

Also some bad things: I finally cleared up my last neighborhood TVI problem, you know, with the guy who calls and tells you how horrible you are for interfering with his TV (on cable, of course), and then puts his wife on so she can ask how you can do such a terrible thing... This week I got a new one, a guy who won't even tell me his name but swears at me and has threatened to call the FCC (maybe he will tell them his name). And I'm used to certain 3-land stations trying to steal my frequency, but this year the worst was a YCCC member...

I had three operators over for the ARRL DX Test CW, KQ1F, KM1P, and NB1B. It's strange to be outnumbered by 2X1 calls. I guess KN3O sort of legitimized them but the WPX just hasn't been the same...

Oh well, next contest season is coming; time to think ahead. I have to fix the antenna at 60' so it rotates fully, replace the 160 antenna which bought it in the ice storm, repair the QSK-1500, rewire the second station, fix the intermittent display, upgrade the packet station, waterproof the main rotor indicator, add more radials, and a few hundred more things that won't get done. Have a good summer!

Notice that we are once again able to print dues information on the **Scuttlebutt** mailing labels. Several members have told me that the mailing label on the last **Butt** indicated that they owed dues when they believed that they had paid. For several months last year, we were unable to print "ticklers" on the labels. As a result, many people paid their *last year's* dues in February. The new YCCC contest year (1986-87) started as usual at the April meeting. So, if the label says you owe dues for *this* year, you *really* do.

For the past few years, I have been a contributor to the W1AW DX Bulletin. Once a month, I call and tell the ARRL about the latest in DX. Until recently, most of my input has been coming from the Southern New England DX Association. Lately, they have not been as useful in DX gathering (DXers' interest wanes more than testers' at the sunspot minimum). I am hoping that YCCC can fill the gap. If you are interested in helping, please speak to me at the next meeting. Also, if you hear anything interesting DX-wise, call me or leave me mail on the AK1A PCBS. When the bulletin goes out, it's with "Thanks to the Yankee Clipper Contest Club" and since it's listened to world-wide, the extra publicity couldn't hurt!

YCCC Badges

Tom Frenaye, K1KI

If you don't have a YCCC badge yet, send K1KI a copy of your YCCC QSL card. Several people have badges ready to be picked up; see KQ1F at the next meeting to pick them up (\$1.00)!

Secretary's Report
Yankee Clipper Contest Club

The June YCCC meeting was held on 8 June 1986 at the Sheraton Sturbridge Inn and Conference Center in Sturbridge, Massachusetts, with 37 members and guests attending. Twenty-five members and guests attended the pre-meeting lunch, where the food was good and plentiful.

John, K1AR, was not at the meeting due to the big basketball game. Members wondering what has become of their QSL card orders should contact him directly.

Field Day operations are planned by K5NA and KY1H. Dave, KY1H, in particular, plans a big effort from Peru, Massachusetts (West Mass. section), in the 2A category, including a Novice station, a packet station, and a satellite station (maybe). He needs operators and set-up and take-down crews.

Three sample copies of **QEX** were available.

The October YCCC meeting will be at the Boxboro ARRL Convention. Doug, K1DG, has the forms to reserve the room. We need a committee to organize a program. Volunteers should contact Bill, N1AU. The Boxboro Convention also needs Volunteer Examiners, who should also contact Bill, N1AU.

The club welcomed two new members:

John A. Dority, Sr. KB1I
 Dennis Egan NB1B

Doug, K1DG, reported on ARRL Contest Advisory Committee matters. He also read a postcard from JH1WRC to inform everyone that the All Asian SSB contest is really June 21-22, not June 14-15 as originally published, and a letter to the CAC from an unnamed North American contester complaining about American contesters (also unnamed, including one reported YCCC member) transmitting between 3790 and 3800 kHz during the ARRL DX Test SSB. Doug also read the CAC referendum and compared the Club's thoughts to those recorded at Dayton:

- Should the ARRL abandon the three-tiered club system, going instead to perhaps listing how many submissions a club had? YCCC voted YES; Dayton voted NO by a two-to-one margin.
- Should the attendance requirement be changed to two meetings per year for members over fifty miles from the club center rather than one half of the total number of meetings? YCCC voted YES, as did Dayton.
- Should the same eligibility requirements apply to all club members regardless of where they live? YCCC votes YES, as did Dayton.
- Should DXpeditions count towards the club aggregate score in the DX Test? YCCC was evenly divided on this, as was Dayton.
- Should operations by club members outside of club territory count towards the club aggregate in the DX Test? YCCC was evenly divided on this, as was Dayton.
- Should there be a foreign club competition in the DX Test? YCCC voted YES, as did Dayton (by a three-to-one margin).
- Should there be specified frequency ranges for contest operation? YCCC voted NO, as did Dayton.
- Should the DX Test again try an everyone-works-everyone format to boost participation by DX? YCCC voted NO, Dayton voted YES.
- Should the ARRL DX Test CW be moved one week earlier to allow longer between the CW and SSB weekends? YCCC voted YES, as did Dayton (by a two-to-one margin).
- Should VY1 count for a different multiplier than VE8 for the DX Test? YCCC votes YES, as did Dayton (by a two-to-one margin).
- Should VY1 count for a different multiplier than VE8 for Sweepstakes, even though they are in the same Section? YCCC voted NO, Dayton was evenly divided.
- Should there be a Sweepstakes QRP awards category? YCCC voted NO, Dayton voted YES (by a three-to-one margin).
- Should the ARRL revive the ARRL QSO Party, and would you participate? YCCC voted NO, Dayton voted NO (by a two-to-one margin).
- Should the 10m Contest have separate multipliers for CW and SSB to increase CW activity? YCCC voted NO, Dayton voted YES two-to-one.

- Should single-op stations be allowed the use of spotting nets? YCCC voted YES, Dayton voted NO.
- Should there be a "seniors" category for operators over 50? YCCC voted NO, as did Dayton.
- Should contest exchanges use a serial number rather than an RST to give a better test of correct copy? YCCC voted YES, Dayton was evenly divided.
- Should 48-hour contests be shorter for single-op entries, perhaps 30 hours? YCCC voted NO, Dayton was evenly split.
- Should a single station be allowed to submit more than one single-band entry for a contest? YCCC voted YES, as did Dayton (three-to-one).

The next Board of Directors meeting is in six weeks, so comments should be sent in now.

Plans were begun for the August barbecue meeting. The meeting will be held from 12-1, with a family-oriented program, and the family barbecue will follow from 1-5. Tom, K1KI, suggested that invitations to the barbecue be sent to other clubs in the area. Reservations for the barbecue can be given to Charlotte, KQ1F. See elsewhere for details.

Paul, K1XM, is looking for operators for a family-oriented HC8 multi-single operation for the CQ WW CW this fall. Interested people should contact Paul.

Fred, K1VR, volunteered to look into obtaining non-profit organization status for YCCC.

Bill, K1GQ, presented the slides he gave at Dayton on his single-op station.

Ken, K1EA, gave away a box of free boxer fans.

Dick, AK1A, talked about his packet BBS and passed out a list of commands it supports (see elsewhere).

Carl, KM1H, talked about the DVK-100 Digital Voice Keyer. A sample unit was available for members to try.

The crew retired for supper at the hotel complex's pub.

Respectfully submitted,
Charlotte L. Richardson, KQ1F, Secretary/Treasurer
9 June 1986

What Next?

Carl Huether, KM1H

It had to happen sooner or later. Where it will all end I could not even begin to guess. What am I talking

about, you ask? Well, it is the DVK-100 Digital Voice Keyer, from NEL TECH LABS Inc., of Londonderry, N. H., which made its public debut at the Deerfield, N. H., swap meet on May 10, 1986 (second largest meet in the U. S.). My prediction is that it will revolutionize SSB contests the way the memory keyer did to CW.

OK, enough hype. What does it do, how can it improve my contest score and what is the price? Fair enough questions so let me attempt to sort them out.

The DVK-100 is a full digital computer with more memory than most home computers. It digitally records and stores voice messages in up to four segments. The message segments are hard sectorized and offer storage times of 16, 8, 4, and 4 seconds respectively. All operations are controlled by a membrane keyboard that features a light and smooth touch that will not wear fingertips smooth after a 48 hour contest. Each selected function is illuminated by a LED in order to minimize confusion and errors. The keyboard is mounted on the sloping front panel for maximum visibility and ease of use. It also features a guarantee of 2 million operations. No, there is not a counter to monitor key strokes but NEL TECH will replace any keyboard failure for free, without a time limit, to the original purchaser.

A built-in voice processor tremendously increases talk power with no noticeable distortion and without the annoying rise in background noise common to so many other units when there is no voice input. Messages can be recorded with or without processing and the function may also be switched in or out during recording. It may also be switched in or out when bypassing the storage unit and keying the transmitter directly. A combination of the DVK-100 plus a *properly* adjusted processor in the transceiver generates talk power that is unbelievable. Amplifiers with marginal power supplies are going to need extra fans to keep the transformers from glowing!

A monitor speaker is provided with selectable high or low levels or it may be disabled from the keyboard. An output jack is provided to drive an external audio amplifier so that the unit may be used as a voice announcement system, or for numerous commercial applications. An end-of-transmission "beep" is also selectable from the keyboard.

Compatibility with most transceivers/transmitters is assured by a number of well-conceived features. First, the input is selectable to accommodate dynamic, electret and condenser microphones. Second, correction for gain and bias is automatic and the unit can not be overdriven. Finally, the output VOX/PTT control line is selectable for either positive or negative keying. Even my old Drake C Line is compatible.

The DVK-100 is the brainchild of Gary Nelson Stapleford, N1BPO, who is a leader in voice technology with over 15 patents. The circuitry is state of the art and contains enough unique twists (i., e., patentable) to bring the price within consumer levels. Basically, continuously variable slope detection (CVSD) with a sampling rate of 32 kHz and 4th order switched capacitor filtering is employed. Memory storage is 128K Byte and the CPU runs at 12 mHz. A full blown technical description is not possible at this time due to the proprietary nature of the product. All of this is contained in a case measuring only 7" W x 10.6" D x 1.65" H. Small enough for any operating desk or field day location. The power supply is a wall outlet UL/CSA listed unit and is supplied. Total power consumption is approximately 15 watts.

Of supreme importance to the amateur radio market is radio frequency interference from/to computer devices. Let me say unequivocally that, the DVK-100 "ain't got none". A combination of pi-network lead filtering and optical isolation results in a unit that is able to conform to commercial quality RFI, EMI, and ESD specifications. A 1500 watt amplifier running out of its cabinet caused absolutely no interference to the unit. The amplifier did wipe out every TV and VCR in the house!! Conversely, the DVK-100 has been operated with the PC board lying on the operating table (no cabinet or shielding) and caused no detectable interference on any ham band from 1.8 to 148 mHz.

Throughout the demonstration, NEL-TECH stressed quality and reliability. From the double-sided PC board to the top quality components to the under-rated power supply, this unit goes first class. The unit was operated with the sun beating down causing the cabinet to be too hot to touch. It never missed a beat. In normal operation there is no noticeable heat generation. The complete DVK-100 is warranted for 12 months parts and labor except for the keyboard as mentioned earlier. Since it is software driven, product updates are easily accomplished. Each unit is supplied with a registration card so that any bulletins or enhancements can quickly be distributed to the owners.

The impact that this product can have on the contest scene can only be surmised at this point in time. My own personal opinion was stated in the opening paragraph of this article. Tape loops, with all their attendant shortcomings, have been around for a long time. They are essentially a single function device whereas the DVK-100 can supply most of the information needed in a contest exchange. This writer has experienced a very noticeable improvement in time available for such housekeeping chores as logging, duping, etc. Since K1AR is already able to operate his body as a computer, maybe us mere mortals can now compete!! On-the-air demonstrations have continually

brought enthusiastic responses. I have yet to find anyone who could tell the difference between the DVK-100 and my natural voice.

OK, now comes the bottom line. The DVK-100 is being introduced at \$349 in single quantities. A special club discount will be available to those submitting a request on club letterhead. Affiliation with national associations is not required. International inquiries are welcome. The DVK-100 is available from: LC ELECTRONICS, 54 Hobbs Road, Pelham, New Hampshire 03076, Telephone: 603-635-3048 (no collect calls please). Specification sheets are available upon request.

"What next?" is the title of this review and I will try to hazard a guess. Having known Gary Stapleford for many years both professionally and personally, I would say that NEL-TECH LABS will create a very comfortable niche for themselves as suppliers of very high tech accessory products. The contesters, DXer, repeater fanatic and others would be amazed at some of the product ideas that Gary makes sound so easy!

Who Likes to Read About Contest Rules in QST?

Tom Frenaye, K1KI

Earlier this year (2/86) I sent out a survey to all ARRL members in New England and as part of that survey people were asked to check which of 35 QST columns were regularly read. The 1335 people who responded picked **Product Review** as the most popular (78.7%), closely followed by **New Products** (78.4%), **Ham Ads** (77.4%), and **Hints & Kinks** (77.2%).

Readership of **Contest Corral** (39.0%) and **Contest Rules** (37.4%) was significantly lower, but still quite a way from the bottom (23rd and 24th of 35). A closer look at who read those two regular columns should give us a reasonable profile of an "average" contesters. Breakdowns were generated by license class, age and number of years licensed.

The most important factor was an Extra Class license. Readership also dropped off significantly if the age was over 50. The number of years licensed didn't seem to be as important, except that those coming into Amateur Radio during a sunspot maximum (license 5-9, 15-19, or 25-29 years) seemed to show a little more interest than those getting started during a sunspot minimum. Oh yes, readership was highest in Western Massachusetts and Rhode Island, and lowest in Vermont and Maine.

Contest Rules	%	Contest Corral	%
Extra	48	Extra	53
Age 10-29	47	Age 10-29	53
Age 30-39	46	Age 30-39	49
Age 40-49	46	Age 40-49	46
15-19 Years Licensed	44	25-29 Years Licensed	44
25-29 Years Licensed	40	5-9 Years Licensed	42
1-4 Years Licensed	39	20-24 Years Licensed	40
30-39 Years Licensed	39	30-39 Years Licensed	39
5-9 Years Licensed	39	10-14 Years Licensed	39
50+ Years Licensed	37	15-19 Years Licensed	38
20-24 Years Licensed	36	Age 50-59	38
Novice	34	1-4 Years Licensed	37
10-14 Years Licensed	34	General	34
Age 50-59	33	50+ Years Licensed	33
Advanced	33	Age 60-69	32
General	32	Novice	31
Age 60-69	28	Advanced	31
Age 70+	28	40-49 Years Licensed	31
40-49 Years Licensed	24	Age 70+	24
Technician	24	Technician	22

If we want to show an increase in the number of people interested in contesting, it seems obvious that we need to attract more people at a younger age to Amateur Radio than we are now!

Among the Missing...

The club does not have current addresses for the following members and subscribers. If you know a current address please send it to the club secretary.

Leonard Kay, KB2R
Albert E. Vacek, Jr., KN5A

New Section in Sweepstakes! Tom Frenaye, K1KI

The ARRL Executive Committee approved a request from amateurs in western Texas to create a new Section in the ARRL Field Organization. The West Texas Section will have an election for Section Manager later this year but will be available as a new multiplier in the ARRL Sweepstakes. That makes the SS multiplier 75 again (74 sections plus VE8/VY1). We lost #75 several years ago when the Canal Zone went back to Panamanian administration!

Give Something Back to Amateur Radio for a Change!

Luck Hurder, KY1T
(ARRL EMass Section Manager)

You're pretty much a typical ham, right? You enjoy the benefits of the Amateur Radio Service as much as the next guy or gal. Maybe you're an avid DXer, a ragchewer, or packet enthusiast. Certainly we're all aware of the many sources of enjoyment that can be

realized by being active Amateurs, regardless of the modes or frequencies that appeal to us the most.

But how many of you, I wonder, ever take a moment to reflect on the possibility that maybe, just maybe, you're taking a free ride? Yeah, sure – I can just hear it now from a few of you. "I've paid my dues – I sweated my you-know-what off, studying the theory and (yeck!) the code so I could get my present license" and "Hey fella, I don't particularly appreciate you sitting there in front of your computer, telling me that I'm not pulling my fair share of the load." I hear it all the time.

Honest, my intent here is not to berate you. Oh, I wouldn't mind making you feel just a tinge guilty, certainly, but the goal is to point out to you that there's a huge number of things that you (yes, YOU!) can do to benefit the Amateur Radio Service.

You say you don't have a lot of time for on-the-air activities? Few do, but that's not stopping many of us at all. We do things that we find gratifying and easily accomplished with the resources available – you can certainly do the same.

Why not concentrate on some well-documented problems already facing us that the assistance of more Amateurs in a given area could readily solve? Here's a few examples:

1. Amateur to Amateur Interference Problems

Some of you are aware of a growing problem with two meter interference situations in the Boston area. It will likely happen on your local repeater if it hasn't already. What are you going to do about it? Call the FCC? Not any more. They don't have the time, resources, or inclination to handle "minor" difficulties like this, and are in the process of turning over all such referrals – and many others – to the Amateur Auxiliary. That's all fine and dandy, but there's a problem here. We (the Auxiliary) don't have sufficient manpower. While the EMASS Section is probably in a higher state of readiness than any other Section in the country – with only a grand total of 20-some-odd people in the Auxiliary here, well, you get the picture...

Solution: Volunteer now. Send a request for an application to join the Amateur Auxiliary to the FCC's Field Operations Bureau. Do it today. Will it cost you much in the way of time? Nope – perhaps an hour a month. We'd sure like to have 75 interested individuals just in the Boston area alone, not to mention the hundreds of qualified Amateurs necessary to tackle problems already occurring in the outlying areas.

"Advertising" Amateur Radio to the Public

The EMASS Section is blessed with a large variety

of individuals and clubs who know how to effectively spread the word. The excellent effort by the Council of Eastern Mass. Radio Clubs (CEMARC) at the Boston Museum of Science Amateur Radio demonstration is a first-class example. Ditto for the fine job that Public Information Officer K1HLZ and his growing crew of Public Information Assistants are doing. But, again, we need many more people. A realistic goal for 1987 would be to obtain the services of Amateurs in close proximity to every newspaper, radio, and TV station in the Section, and to send frequent news releases to each of them. I do it here on the Cape – takes me about 20 minutes a month all told – with a very worthwhile return on my investment. Still, I could certainly use some help. How about it for those of you in other areas of the Section?

The Lack of Amateur Radio Emergency Communications Capability

Didn't know there was a lack, eh? You bet there is! Just ask Section Emergency Coordinator KB1PA how many towns in the EMASS Section have ECs. It's embarrassing, but he'll tell you – durned few. Emergency communications – the one aspect of the Amateur Radio Service that we're taught as being the most important – needs your help. The League has a large number of excellent training aids and offers an immense amount of support to newcomers and seasoned veterans who are interested in this aspect of the Amateur Radio Service. Contact KB1PA or myself right away for details.

There are many other areas where your expertise (OK, so maybe it's only an ember of an interest) can make large improvements in Amateur Radio. Do you know how to handle formal written traffic during an emergency? (Be careful answering that one – I was somewhat surprised to find that only two of the many Field Day messages I received this year were in fact in proper format!). You can at once improve your skills and perform a valuable function by participating in organized traffic networks. Don't wait until you HAVE to send messages for your community – it's too late then...

Are you technically inclined? Do you have real expertise in one or more areas of Amateur Radio – and can you express yourself clearly? Consider imparting your knowledge to others – become an Assistant Technical Coordinator who responds to written requests for assistance from others. League HQ responds to thousands of technical (some NOT so technical – “Will enamel covered wire work as well as bare wire for my dipole?”) requests each year that are now being returned to the Field Organization here at the local level. We need your help.

If any of the above suggestions spark your interest in helping the A.R.S. to become something better than

it already is, fine, then I've succeeded in doing what I intended.

You've been enjoying Amateur Radio all along – now it's time to give a little something back – volunteer to assist us today.

You can do so by contacting me at PO Box LL, N. Eastham, Ma. 02651. My telephone number, 24 hours a day, is 617/255-2029. You can also contact me by MCI Mail (user name KY1T) or by packet at the W1ZHC PBBS. 73!

A Computer-Controlled Station

Tom Frenaye, K1KI

Larry “Tree” Tyree, N6TR, of Beaverton, Oregon, will have what may be the first completely automated computer operated Amateur Radio station QRV during Field Day on June 28 and 29. The Z80-based computer and some experimental software will be running a TS-430 transceiver with battery power (category 1-D) without the need for human assistance. The software will tune the receiver, locate the station to call (it only answers CQs so far), complete the QSO, print out a record of the contact and go looking for a new one. It's even ready to respond hello, with names, to a list of about 20 stations “it” expects to work during Field Day!

Tree notes that there is still a long way to go before it can even come close to matching a human operator, but he wouldn't be surprised if 150 or more stations were worked during the Field Day period (better than some humans!).

High Claimed Scores, 1986 ARRL DX Test

Mike Kaczynski, W1OD
Billy Lunt, KR1R

ARRL DX S/O AB CW:

CALL	SCORE
W3GRF (K0DQ. opr)	1,487,400
KC1F	1,413,864
K3ZO	1,393,728
N2LT	1,383,936
K1AR	1,335,084
K3WW	1,198,773
K1DG	1,127,973
W3BGN	1,096,416
K3KG (K4FJ. opr)	1,060,884
K5NA	1,048,605
K1BW	1,047,033
K5ZD/1	933,720
WX4G	873,705
W3XU	872,460
W8ZF/4	863,328
NQ4I	841,122
W0JLC	795,495

W3VT	755.568
VO1MP	592.200
W8LNO	587.292
AA1K	569.829
K3ZZ	554.508
K3TUP	519.651
AK1A	488.898
K4GKD	444.783
K2UR	442.335
N4KMY	414.612
W2XL	407.928
WD8IXE	402.930
K1VR	402.804
W0WP	400.668

ARRL DX S/O LP CW:

CALL	SCORE
VO1MP	592.200
W2TZ	339.636
KS1J	173.052
K9UIY	126.360
W3HVQ	125.367
K4MF	122.670
K1VUT	107.238
KR8Y	105.216
WB2ABD	95.106
WD4AHZ	88.578
W3ARK	86.130
WA5OYU	81.783
WC5D	76.014
KF8K	69.972
N1CC	62.700
W2EA	57.600
W2KHQ	57.600
W2FTY	53.096
N3OS	50.796
W3SOH	50.784
WA2ASQ	50.232
KW2J	47.250
KD8WX/3	45.198
W3QIR	45.058
K4FPF	43.596

ARRL DX MS CW:

CALL	SCORE
N4WW	1,446.882
K1YR	1,226.016
N2MM	1,162.200
K4VX/0	1,119.525
KM1C	1,102.302
K1IU	947.232
N3AD	826.584
K2NJ	735.315
K1WA	732.555
N4KG	660.240

ARRL DX M2X CW:

CALL	SCORE
W2REH	2,128.386
N5AU	1,851.696
K5LZO	1,308.066
K1XM	977.550
N2RM	953.451
KY1H	837.288
N6ND	755.802
K1RX	500.360

ARRL DX MM CW:

CALL	SCORE
N2ME	2,985.156
W3LPL	2,828.595

K2TR	2,647.890
W3GM	2,170.746
K3OO	1,822.065
N3RS	1,724.514
N6RO	1,101.210
W0AIH/9	886.464
K1EA	689.520

ARRL DX S/O AB PH:

CALL	SCORE
K1KI	1,885.482
K3ZO	1,510.758
N2FB	1,289.238
KT3M	1,273.440
K1DG	1,242.774
W9RE	1,241.280
N2LT	1,237.698
WX4G	1,217.640
K5ZD/1	1,134.027
W6MKB	1,095.687
N2RM	1,074.840
KM6B	1,067.256
K4VX (KR0Y, opr)	1,028.160
N2MM	978.600
NR5M	961.740
K1VR	909.468
AK1A	793.914
K3ZJ	768.687
N6AW	762.570
W8ZF/4	761.388
K1IU	721.752
W2RQ	721.746
VE1NG	720.390
K5RX	689.082
VE3XN	570.726
AA1K	555.093
K8XR	546.165
N2IC/0	537.510
N6QR	498.405
K6EID	413.595
KI3L	405.162
K2TR	379.200
K7OX	364.182
W3HHG	362.709
KX4R	347.976
W1CWU	332.788
N4MM	331.752
KJ3R	322.095
VO1MP	315.882
NG0W	305.184
N3JT	289.440
W3UJ	286.836
K5NW	283.410
W0HBH	274.620
W3DHM	272.454

ARRL DX S/O LP PH:

CALL	SCORE
VE1NG	720.390
VO1MP	315.882
W3UJ	286.836
W2TZ	233.070
N5AW	178.416
KG1D	117.558
WA5OYU	106.533
W3ARK	102.600
N6ADK	88.275
K4JHT	85.344
N1CC	72.000
W9KTB/4	65.205
WB3BRF	61.800
WA0NOK	60.903

W7YAO	60.066
K3FNW	59.058
KA1ION	55.296
W7LHO	55.200
W2HAJ	49.551
WA5IYX	48.594
N0FYM	43.326
W2KHQ	41.796
W3SOH	41.580
NG9L	32.076
W9NTU	30.336

ARRL DX MS PH:

CALL	SCORE
K3TUP	1,323,630
K3WW	1,320,948
WB8JBM	1,204,818
WB2ULI	1,020,672
N4KG	968,175
WA8DXG	847,206
KU2Q	794,508
K2NJ	723,216
WA3SPJ	686,718
W3AP	674,163
K7LXC	660,630
N8CXX	642,864
W3MA	606,090
AK1L	591,528
K1WA	466,242
K2UR	447,387
NK7U	438,615
W2RR	419,016
WO6Q	389,550
K5RVK	306,153
W6BIP	304,278
WA2LQO	289,938
AK6T	285,600
W3GU	282,240
W8LNO	276,588

ARRL DX M2X PH:

CALL	SCORE
KX4S	2,457,450
N5AU	2,391,168
N6ND	1,982,760
N3RS	1,945,026
K3OO	1,754,994
N1AU	1,485,960
K3II	683,865
KQ1F	555,270
K6TMB	414,990
K1RX	195,339
K5TYP	19,656

ARRL DX MM PH:

CALL	SCORE
K2BU	3,757,890
W3LPL	3,019,302
W3GM	1,923,108
K3ZZ	1,019,424
K1EA	903,600
KM1C	901,167
KY1H	382,374
W3UM	51,102

More Score Rumors:**CQ WPX SSB:**

Call	QSOs	PFXs	Score
N1AFC (QRP 3W)	239	162	90720

CQ WPX CW:

Call	QSOs	PFXs	Score
N1AFC (QRP 1W)	85	75	9600

QST Product Review Bibliography

Tom Frenaye, K1KI

The most recent issue of **QEX The ARRL Experimenter's Exchange** (#52) noted that a complete list of **Product Review** items that appeared in **QST** from 1976 to 1985 is available for \$3.00. Send to Technical Department Secretary c/o ARRL. The eleven-page listing is in order by manufacturer and includes the product model number, the month-year it appeared in **QST**, and the author(s) name and call-sign. A couple of examples:

- Autek MK-1 Keyer, June 1977, Doug DeMaw, W1FB
- Cushcraft 40-2CD 40-M Skywalker Yagi, July 1983, Mark Wilson, AA2Z
- Dentron MLA-2500 Amplifier, March 1978, Jay Rusgrove, W1VD
- Icom IC-751 HF Transceiver, January 1985, Mark Wilson, AA2Z
- Lance Johnson Eng. D-Lay-5 Rotator Control, April 1983, Paul Pagel, N1FB
- Southwest Tech. Product. 68000 Computer System, April 1977, Lew McCoy, W1ICP
- Telex Hy-Gain TH7DX Antenna, February 1983, Pete O'Dell, KB1N
- Z. R. C. Cold Galvanizing Compound, October 1980, Doug DeMaw, W1FB

Excess Cargo

For sale:

Rohn model 25 58' foldover tower, \$350. Ready to move on the ground.

32' self-supporting tower with AR22 rotator, \$70.

Both located in Sudbury, Massachusetts.

Contact David Allen, W1WAI, at

800/523-3282 (Colorado, between 9AM-7PM EDT)

303/796-9067 (other hours, Colorado)

or Dorothy Allen at 617/443-9867.

Four element 15m beam. \$50.00. Call Ron, K1BW, at (203)848-3796.

Four element 10-meter monobander. \$60.

Mosely CL-33 Tribander. \$140.

Heathkit SB-300 receiver. \$150.

GB-45 (Guy Bracket with torsion bars for Rohn 45). \$20.

Contact Dave, K1VUT.

Yankee Clipper Contest Club Roster:

CALL	NAME	HOME PHONE	WORK PHONE	STREET ADDRESS	CITY	ST ZIP CODE
AKIA	Dick Newell	603/673-6458	617/568-4667	5 Pavilion Rd.	Amherst	NH 03031
NIAPC	Peter Archibald	207/767-2169	207/797-8931	PO Box 2288	South Portland	ME 04106
KIAR	John Dorr	603/434-5661	617/967-1095	2 Baldwin Street	Windham	NH 03087
NIAU	Bill Santelmann	617/862-1753	617/692-6000	30 Fairlawn Lane	Lexington	MA 02173
NBIB	Dennis Egan	617/655-0444	617/358-2912	3 Keith Road	Wayland	MA 01778-4517
WIBK	Charles McCarthy	617/562-5622		128 Forest Avenue	Hudson	MA 01749
WIBR	Roger Prince	617/393-3413	617/798-8576	66 Washburn Street	Northboro	MA 01532
KAlBRD	Bernice Andersen			Box 11043	Newington	CT 06111
KIBW	Ron Grzelak	203/848-3796	203/886-2000	56 Stebbins Street	Chicopee	MA 01020
AGIC	Ted Goodhue	603/434-0399	603/885-9564	12 Hovey Road	Londonderry	NH 03053
KMIC	Bill Pedersen	603/673-1678		Roberge Drive	Amherst	NH 03031
KAlCB	David Gerns	603/382-6364		3 Rolling Hill Avenue	Plaistow	NH 03865
KICC	Rich Assarabowski	203/875-0166	203/727-7438	306 Vernon Avenue	Vernon	CT 06066
KAlCI	Richard Reed	203/742-7008		62 Springdale Road	Coventry	CT 06083
NICQ	Bill Shaheen	413/467-9075	413/785-1918	49 South Street	Granby	MA 01033
WICWU	Jim Tumelty			2 Hickory Lane	Danvers	MA 01923
KIDG	Doug Grant	603/432-4738	617/935-5565 x 2508	144 Kendall Pond Road	Windham	NH 03087
NIDTG	Terri Corey	401/765-4444		Jencks Road	Cumberland	RI 02864
KLDW	Dallas Ward	203/521-9117	203/365-2788	25 Belcrest Road	West Hartford	CT 06107
KAlDWX	Gordon Durk	617/263-1066	617/935-5956	115 Cobleigh Road	Boxborough	MA 01719
KIEA	Ken Wolff	617/456-8272	617/460-2055	RD 1 Box 556	Harvard	MA 01451
KAlERF	Julie Czajkowski	617/885-3841	617/885-3841	North Brookfield Road	Spencer	MA 01562
KAlESR	Karen Poellnitz	617/879-6290	617/732-5420	44 Sunset Drive	Framingham	MA 01701
WBIYL	Brian J. Szwedczyk	413/743-5781		74 East Street	Adams	MA 01220
KClF	Stu Santelmann	617/783-0557	617/682-5276 x 17300	119 Brooks Street	Brighton	MA 02135-1716
KQIF	Charlotte L. Richardson	617/562-5819	617/568-6588	11 Michigan Drive	Hudson	MA 01749
KAlFBY	Albert Kinnon	617/851-9884	617/933-7885	779 Livingston Street	Tewksbury	MA 01876
WIFJ	Al Rousseau	617/598-3744	617/599-7500 x 173	180 Den Quarry Road	Lynn	MA 01904
WIFM	Jake Handwerker	617/862-6742	617/271-2000	17 Pine Knoll Road	Lexington	MA 02173
WIFV	John Kaufman	617/897-5929	617/863-5500 x 4041	47 Durant Avenue	Maynard	MA 01754
KIFWF	John D. Allen	617/562-3045	617/366-8911 x 6856	44 Walnut Street	Hudson	MA 01749
KAlGG	Bob DeCosta	617/763-5539	617/674-4867	Box 64	Rochester	MA 02770
WIGG	Gary Gaudette	413/443-3404	413/494-4049	21 Westview Road	Lanesboro	MA 01237
WIGNC	John Nelson	203/243-9482	203/666-1541	32 Walker Lane	Bloomfield	CT 06002
KIGQ	Bill Myers	603/465-2673	617/944-6850 x 2116	Box 501 Laurel Hill Road	Hollis	NH 03049
KAlGQW	David R. Berthiaume	401/333-1884		15 Orchard Drive	Cumberland	RI 02864
KIGW	Glen Whitehouse	603/673-6290	603/627-7877	1 Pinnacle Road	Amherst	NH 03031
KB1H	Dick Pechie	203/774-7034	203/269-3361	Box 261	Dayville	CT 06241
KMLH	Carl Huether	603/635-3048	617/967-3104	54 Hobbs Road	Pelham	NH 03076
KY1H	Dave Robbins	413/655-2714	413/494-5618	Baumann Road	Peru	MA 01235
NB1H	Marty Durham	603/964-5383	617/272-3000 x 1860	20 Old Locke Road	North Hampton	NH 03862
KLHI	Rex Lint	603/424-5088	603/884-6095	10 Hartwood Drive	Merrimack	NH 03054
KB1I	John A. Dority	203/774-4547	203/774-9246	RR 2 Box 447	Danielson	CT 06239
WLIHN	Bert Michaud	617/459-6774		43 River Road	Lowell	MA 01852
KLIJU	Norman Peacor	413/267-3266		Country Club Heights	Monson	MA 01057
KLIJV	Jean Peacor	413/267-3266		Country Club Heights	Monson	MA 01057
KLIK	Al Johnson	802/464-5566	603/863-1167	P. O. Box 77	West Dover	VT 05356
KLIU	Jeff Bouvier	401/765-4444	401/274-6850	Jencks Road	Cumberland	RI 02864
KB1KE	Don DeZarn	413/684-3925	413/494-5671	589 Main St.	Dalton	MA 01226
KIKI	Tom Frenaye	203/673-5429	203/275-5116	23 Pinehurst Road, Box 62	Unionville	CT 06085
KIKJT	Edward J. Peters	617/995-2427		29 Greenbrier Drive	New Bedford	MA 02745
WLKM	Greg Cronin	617/428-4205	617/540-8150	172 Old Mill Road	Marstons Mills	MA 02648
KIKNQ	Jack Rosiello	617/842-3301		32 Deerfield Road	Shrewsbury	MA 01545
KAlKRT	Jay M. Gaudette	413/443-3404		21 Westview Road	Lanesboro	MA 01239
AK1L	Raymond Tabloski	603/893-0206		30 Hall Farm Road	Atkinson	NH 03811
NC1M	Hugh Masterman	617/692-8416	617/692-6000	24 Fletcher Road	Westford	MA 01886
K1MEM	Jim Dionne	617/443-2345	617/577-4145	31 Demarco Road	Sudbury	MA 01776
KAlMI	Dave Meldrum	617/686-4711	617/671-3044	28 Cedar Lane	North Andover	MA 01845
K1MM	Bill Poellnitz	617/879-6290	617/239-1600	44 Sunset Drive	Framingham	MA 01701
KS1N	Eric St. Cyr	413/663-3291		20 Hudson Street	North Adams	MA 01247
KAlO	Greg Papadeas	603/883-7369	603/568-4160	12 Bleuberry Lane	Nashua	NH 03062
KT1O	Steve Wedge	617/369-5977	617/475-4700 x 9373	1386 Main Street	Concord	MA 01742
KM1P	Joseph B. Fitzgerald	203/668-5864	617/791-7545	1210 Newgate Road	West Suffield	CT 06093
W1PH	Kurt Pauer	603/673-7201		P. O. Box 754	Amherst	NH 03031
KAlR	Matt Power	617/878-5717	617/253-2538	145 Grove Street	Norwell	MA 02061
KR1R	Bill Lunt	413/243-3230	413/243-3230	Main Road	Tyringham	MA 01264
N1RC	Robert Clarke	617/639-0536	617/232-5470 x 201	119 Washington St. #4	Marblehead	MA 01945
KAlRE	Robert K. Adamson	413/443-0856		57 Quirico Drive	Pittsfield	MA 01201
K1RK	Dana Cobb	413/655-8096	413/655-2797	East Windsor Road	Peru	MA 01235
W1RR	John Kenny	603/394-7921	617/681-6551	RFD Woodman Road	South Hampton	NH 03827
K1RU	Gene Frohman	203/795-3322	518/270-7501	530 Summit Drive	Orange	CT 06477
K1RX	Mark Pride	203/271-2076	203/265-8825	1130 Summit Road	Cheshire	CT 06410
Al1S	Bruce Terrell	413/442-6114	413/494-2739	P. O. Box 1922	Pittsfield	MA 01202
K1SF	Bob Archambeault	617/885-2704		94 Chestnut Street	Spencer	MA 01562
KAlSR	Robert Koziomkowski	401/683-9292	401/683-9292	5 Watson Dr.	Portsmouth	RI 02871
KB1T	John G. David	603/673-9014	603/673-4100	P. O. Box 1015	Amherst	NH 03031
K1TO	Dan Street	203/653-2343	203/563-8234 x 4117	10 Petersen Road	Granby	CT 06035
K1TR	Ed Parsons	603/437-0599	617/374-5695	12 Apple Blossom Drive	Londonderry	NH 03053
K1TXH	Betty McCarthy			128 Forest Avenue	Hudson	MA 01749
N1TZ	Bob Czajkowski	617/885-3841	617/885-3841	North Brookfield Road	Spencer	MA 01562
WAlTZV	Jerry Muller	603/635-3890	617/667-7070	4 Garland Drive	Pelham	NH 03076
W1UQ	Mort Bardfield	617/734-6678	617/566-8613	16 Addington Road	Brookline	MA 02146
KF1V	Mark W. Olsen	203/741-0348		56 Fox Hill Lane	Enfield	CT 06082
K1VR	Fred Hopengarten	617/259-0088	617/969-1113	6 Willarch Road, RFD 1	Lincoln	MA 01773
K1VSJ	Howard Bromberg	401/884-4962	401/231-1000	21 Wingate Road	Providence	RI 02906
K1VUT	David Clemons	617/947-3784		148 Rocky Meadow Street	Middleborough	MA 02346
KB1W	Leonard Bean	413/443-0725	413/494-2577	62 Wellington Avenue	Pittsfield	MA 01201
W1WEF	Jack Schuster	203/633-2756	203/565-0046	408 Thompson Street	Glastonbury	CT 06033
KAlX	Shirley R. Tabloski	603/893-0206		30 Hall Farm Road	Atkinson	NH 03811
KClX	Ken Weinbeck	617/256-8218	617/667-1932	20 Janet Road	Chelmsford	MA 01824
W1XK	Stan Kugler	203/756-6056		147 Grandview Avenue	Waterbury	CT 06708
K1XM	Paul J. Young	617/562-5819	617/486-7899	11 Michigan Drive	Hudson	MA 01749
KAlXN	Bob Wilson	413/739-6369	617/552-5344	179 Knollwood Street	Springfield	MA 01104
NB1Y	Don Nelsen	617/729-8362	617/568-4453	97 Cambridge Street	Winchester	MA 01890
K1YL	Claire Bardfield	617/734-6678		16 Addington Road	Brookline	MA 02146
W1YN	Ed Goodhue	617/947-2342	617/678-5800	17 Parkhurst Drive	Lakeville	MA 02346
K1YR	Louis Cohen	203/393-1473		50 Bethridge Road	Bethany	CT 06525
AD1Z	William Clemons	617/871-1778	617/871-1778	1140 Plymouth Street	Whitman	MA 02382
KE1Z	John C. Olapurath	603/888-4389	603/881-7069	6 Woodfield Street	Nashua	NH 03062
WAlZAM	Ed Landry	413/663-8126		140 Cliff Street	North Adams	MA 01247
K1ZM	Jeff Briggs	914/221-2450	212/808-0173	R. D. 6 Box 72	Hopewell Junction	NY 12533

KA2AEV Michael Samanka	212/326-2792		6407 72nd Street	Middle Village	NY 11379
N2AIF Seymour Miller	518/286-1328	518/457-2540	Miller Road R. D. 1	Rensselaer	NY 12144
KB2CR John Fritze	518/869-0809	518/869-7880	1659 Central Avenue	Albany	NY 12205
K2EK Bill Gioia	914/221-1672	203/964-3554	RD 7 Rushmore Road	Hopewell Junction	NY 12533
W2IB Art Wildblood	914/331-2864	914/383-7742	RFD 7 East Drive	Kingston	NY 12401
KR2J Bob Naumann	201/427-8881	201/684-1400 x 25	64 East Barbour Street	Haledon	NJ 07508
N2JJ Jim Janack	518/882-9216		RFD 2 Box 44	Galway	NY 12074
KQ2M Bob Shohet	516/928-2446	516/673-5888	3 Oak Court	Selden	NY 11784
KA2MXO Edward Kritsky	718/284-4493	212/484-8342	580 East 17th Street, Apt. 2	Brooklyn	NY 11226
W2NC Bob Rasche	518/489-6239	518/452-2725	950 State Street	Albany	NY 12203
K2OY Bruce Robideau	914/677-5717	914/463-9222	P. O. Box 311	Millbrook	NY 12545
KN2Q Bill Michne	518/283-2692	518/445-8964	R. D. 2 Box 146	Averill Park	NY 12018
KU2Q Susan Tannenbaum	914/336-7087	914/385-3688	11 H Sunset Gardens	Kingston	NY 12401
K2QF Mike Kardos	518/462-2821	518/767-6591	1 Fiddlers Lane	Rensselaer	NY 12144
K2RD Ira Stoler	518/439-5804	518/445-8474	62 Brightonwood Road	Glenmont	NY 12077
W2RQ Bill Keller	201/383-6875	201/649-6551	Rt. 7 Box 378	Newton	NJ 07860
K22S John Golomb	201/449-3811		107 Bailey Corner Road	Wall	NJ 07719
K2SHZ John W. McCann	518/371-6247	518/457-2119	8 Linden Ct.	Clifton Park	NY 12065
K2SIG John Naberezny	518/674-2031	518/457-5652	HCR Box 98A	Sand Lake	NY 12153
K2TR Fred Lass	518/355-4813	518/346-6666	RD 1 Box 301	Altamont	NY 12009
K2VV John Yodis	518/843-3897	518/370-4200 x 31440	P. O. Box 460	Hagaman	NY 12086-0460
K2WR Rich Gelber	212/580-1075	212/887-3675	205 West End Avenue	New York	NY 10023
N2WT Rob Gigliuto	201/794-0089	201/529-4800 x 511	0-147 Bill Hill Avenue	Fair Lawn	NJ 07410
K2XA Saul Abrams	518/439-5700	518/474-7579	RD 1 Maple Road	Slingerlands	NY 12159
W2XL Robert Schwenk	914/331-0437	914/331-0437	133 Clifton Avenue	Kingston	NY 12401
W2YV Dave Horbachuk	914/471-4765	914/463-0571	P. O. Box 181	Billings	NY 12510
AA2Z Mark Wilson	203/267-2179	203/666-1541	229 East High Street	East Hampton	CT 06424
W3ANE Hope Smith	203/521-5086		194 Ridgewood Road	West Hartford	CT 06107
W3AZD Don Search	203/521-5086	203/666-1541	294 Ridgewood Road	West Hartford	CT 06107
AI3E Dwight Sipler	617/897-5996	617/861-3045	493 Great Road	Stow	MA 01775
K5NA Richard King	914/687-9700	914/385-1122	P. O. Box DX	Cottkill	NY 12419
K5ZD Randy Thompson	617/883-4415	617/237-6950	320 Spring Street	Wrentham	MA 02093
W88BTH Jeff DeTray	603/242-7995	603/924-9471	P. O. Box 524	Troy	NH 03465
K8HVT Hal Offutt	203/655-2837	212/637-9985	25 Libby Lane	Darien	CT 06820
W88TDA Kitty Hevener		203/666-1541	225 Main Street	Newington	CT 06111

The **Scuttlebutt** is the newsletter of the **Yankee Clipper Contest Club** and is mailed six times per year to all paid up members. Dues are \$10 per year, payable 1 April with a grace period through 30 June. Non-members may subscribe to the **Scuttlebutt** by sending \$10 to the Treasurer: Charlotte Richardson, KQ1F, 11 Michigan Drive, Hudson, MA 01749. Subscribers who subsequently become members will be credited as having paid dues.

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The **Yankee Clipper Contest Club** (an ARRL Affiliated Club) holds six official meetings per year, on the Saturday or Sunday afternoon of the first full weekend of every even month in the Sturbridge, Massachusetts, area. The deadline for article submission to the **Scuttlebutt** is three weeks before the next meeting date. The next meeting will be on 2 August 1986. Attendance at an official meeting is required in order to become a member. Club members congregate on 3830 Khz or 1900 Khz Monday evenings; many routinely monitor these frequencies other evenings as well.

Rosters are mailed to all paid members each summer. For more information and/or assistance, contact the area manager nearest you on the following list:

Area	Call	Name	Home	Work
CT/RI	K1RX	Mark Pride	(203) 271-2076	(203) 265-8825
EMass	W1FJ	Al Rousseau	(617) 598-3744	(617) 599-7500 x 173
WMass	KY1H	Dave Robbins	(413) 655-2714	(413) 494-5618
VT/NH	KM1C	Bill Pedersen	(603) 673-1678	
ME	K1SA	Bernie Cohen	(207) 773-6589	(207) 797-3585
NNY	K2RD	Ira Stoler	(518) 439-5804	(518) 445-8474
SNY/NJ	K2EK	Bill Gioia	(914) 221-1672	(212) 888-2102

YCCC

11 Michigan Drive

Hudson MA 01749

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