



Scuttlebutt

No. 76 August 1988

President	Fred Lass	K2TR	518-355-4813
VP-Activities Manager	Bill Shaheen	N1CQ	413-467-9075
Secretary-Treasurer	Charlotte Richardson	KQ1F	508-562-5819
Editor	Paul Young	K1XM	508-562-5819

Captain's Cabin

Fred Lass, K2TR

The YCCC annual family picnic will be held on Saturday, August 6, 1988, starting at 11 AM. Bring your own cooler full of food and drink. Modest grill space provided. Families welcome. Swimming available. Holland Pond State Park, off of route 20 west of Sturbridge. Details below.

"There's a little black spot on the sun today." So goes the song by the rock group "The Police". Those black spots are bringing us outstanding propagation. Conditions are destined to be superb this fall. The same sun will likely be shining on our picnic on Saturday. So fill up the cooler - pack the car and don't forget your HT. I can't wait. See you there.

Those freckles on the face of the sun mean that we must prepare our stations for this year's contests. That high 15 meter antenna will still be useful on some openings, but heights between 50' and 100' are likely to have the highest European rates. On 10 meters optimum heights change from day to day. I remember the 10 meter contest in 1979, the peak of the last cycle. On Saturday my best antenna was a stack of three element beams at 35' and 75'. On Sunday a 4 element at 170' had the best rates. No matter which antenna you have I'm reminded of the advice given by a FRC members years ago: "If 10 is wide-open Saturday, fill those log pages with 10 meter QSOs - there's no guarantee that Sunday will be as good."

Our hard-working editor, Paul, K1XM, is in need of articles to continue the tradition of this exceptional newsletter. I enjoyed reading K1XM's saga to Puerto Rico. The dedication to contesting in spite of overwhelming obstacles that comes through in Jeff's true story is an inspiration to those of us with more simple obstructions such as TVI, family obligations, etc. Next time that things don't go quite right, compare your problem to Jeff's. It's likely to be a small stumbling block. A block that can be moved or worked around some way with less determination than Jeff needed to win that contest. To me, the contest didn't seem quite as exciting as the trip.

Individually, and as a club, our determination to win has always shown. The same tactics that have won us one gavel need to be repeated this year. The scores will be astronomical due to sunspots. The club needs each and every one of you to score higher than ever before. Just winning by a little is no longer our destiny. I want to win by so much that the competition stops trying to win!

Next Meeting

Paul Young, K1XM

The next meeting of the Yankee Clipper Contest Club will be the annual club family picnic on Saturday, August 6, 1988, at Holland Pond State Park, in Holland, Massachusetts, about ten minutes' drive west of the usual club meeting place in Sturbridge. The picnic

begins at 11, although you may want to arrive when the park opens at 10 to help Bob, KA1XN, and Bill, N1CQ, reserve our picnic tables. The park has softball and frisbee fields, a shaded picnic area, and a swimming beach on a lake complete with changing rooms and lifeguards, so bring along the whole family. The club will bring at least one barbecue grill; feel free to bring hibachis, lawn chairs, etc. There will be a brief business meeting at 1 pm to welcome new members and handle any other necessary club business.

To get to the picnic, proceed as if you were going to our usual meeting place at the Sheraton Sturbridge by taking the Mass. Turnpike to the I-84 exit and going south one exit on I-84 to the Sturbridge exit. From there, take route 20 west through Sturbridge, passing the Sheraton along the way. Note: even if you are coming from the west on the Turnpike, it is quicker to get off at the Sturbridge exit and go west on route 20 than to exit at the Palmer exit. Between Sturbridge and Brimfield, route 20 crosses a bridge over a lake. After crossing the water, you will note a big brown park sign on the left. Turn left at the sign saying "Holland 4 miles". Follow this road for about 3 miles, and then follow the park signs by turning right on Dug Hill Road opposite the town sand pit on the left. To enter the park, turn right at the stockade fence and sign for the recreation area. This will bring you to the main gate and parking area. The park charges \$3 per carload for parking.

If you are coming from the west along route 20, you will see a Holland Pond State Park sign indicating where to turn right, then follow the directions above.

The meeting dates for 1988 are:

DATE	DAY
August 6, 1988	Saturday
October 1, 1988	Saturday
December 4, 1988	Sunday

Note that the October meeting will be at the ARRL New England Division Convention at Boxboro.

Secretary's Report Yankee Clipper Contest Club

The June YCCC meeting was held at the Sheraton Sturbridge on 5 June 1988 with 44 members, their families, and many guests in attendance. Club President Fred, K2TR, proudly called the meeting to order with the club's new ARRL gavel. The suggestion was made to allow Past-President Bill, KM1C, to keep the gavel at his station for the coming contest year and bring it to meetings, in recognition of his hard work as President during the past years and his contribution to the winning of the gavel. The gavel was passed around while the members and visitors introduced themselves. The club then welcomed three new members:

Tom Francis, NM1Q

Rick Lapp, KC3FD

Rich Critz, KB4N

The Treasurer's Report showed a treasury balance of \$862.55, with postage contributions from the advertisers in the last two **Scuttlebutts** yet to be received. Plans began for the August barbecue meeting. Members preferred that the meeting be at a state park or at the QTH of Fred, K2TR, rather than at the Sheraton, as in past years. It was also noted that the October meeting is at the New England Division ARRL Convention at Boxboro. There was no old business. Fred, K2TR, then presented his "state of the club" speech, and discussed packet network loading and explained how each member should support the local packet BBS operator.

Bill, N1CQ, then presented the afternoon's program.

Dave, KY1H, talked about tower and antenna construction safety, and passed out handouts on rope specifications and diagrams of the stresses on the ropes while raising antennas. He also discussed new improvements to the packet network.

During the break, Carl, KM1H, of Radiokit, offered ferrite superbeads for sale to members for \$2 instead of the regular \$3, with \$1 of each sale going to the club treasury (this netted \$65 for the club; the beads were very popular).

After the break, Eric Von Valtier, of Detroit, MI, spoke about his programmable keyer, called the TH-1 Compu-Keyer. Eric, a builder of industrial computers for automation in Detroit who has recently rediscovered his early interest in amateur radio and expects to become relicensed this summer, explained that the name of the device stands for "Third Hand". It is a complete keying, logging, and dupe checking system, with CMOS battery-backed memory (like an industrial process computer) which will hold about 10,000 QSOs when the full complement of memory is installed (2500 QSOs if only one chip is installed). The system provides instantaneous dupe checking (per band or for the whole log) by parameters set at the beginning of the contest, and can also do prefix checking. It has external communications ports so that it can be attached to a PC and/or to a printer, which can be set up to print out the log in real time as the QSOs are made. The Compukeyer will sell for \$350, plus \$40 for a small separate box to mute your receiver output and supply a sidetone for offline data entry of the exchange while the built-in keyer is sending your QRZ. For phone contest, a keyboard can be attached. The keyer uses an Intel 8051 chip. PC software to interface to the keyer and to manipulate the log data is also available. Eric brought several of these machines for interested members to try out in the back of the room. For more information, members can contact Cire Electronics, 521 Leicester, Plymouth, MI 48170,

phone (313)455-3202.

The 50/50 raffle brought \$24 to Carl, WG2E.

Following the raffle, Bill, N1CQ, Fred, K2TR, and John, W1RR, held an antenna forum, answering questions from the members. The discussion centered around verticals and ground systems for them, W2PV design Yagis and stacked Yagis, and plans for cheap antenna systems.

After the meeting adjourned, hungry members descended on Rom's and other local eateries for much-needed refreshment!

Respectfully submitted,
Charlotte L. Richardson, KQ1F
Secretary/Treasurer
6 June 1988

Single-Op Plus Packet John Dorr, K1AR

I've always admired the "hard-core" single-op contender - you know, the type that has entered every CQWW since 1947 and took 4 hours offtime once during the '53 event for the birth of their first child. Operating as a single operator has always been a category that peaked my interest in contesting. There were a variety of reasons, but they all seemed to center on the intense competition and satisfaction in winning a few.

Until recently, I thought there was no other operating class worth considering; that is until I discovered Packet Radio. In reality, I stumbled into the packet spotting game. There was that one CQWW in 1986 when things really weren't going well - a dreadful feeling for a single operator. Somehow, it's hard to convince yourself that the pain you are experiencing with poor conditions is being equally shared by your competition. So, into packet I jumped with both feet. There was that queasy feeling at first as I fired up the TNC (that's terminal node controller to the casual observer) and my screen came alive. After all, it runs against the grain of a single operator to use "outside assistance" when competing. Something inside kept warning me to expect a member of the CQWW Contest Committee to spring out from behind the couch saying "we got you 'AR!" After about five minutes, however, I discovered something - I was beginning to have fun again. So much fun, in fact, that I haven't entered a log in the single operator category since the 1986 ARRL SSB DX Contest.

What follows is an analysis of the 1987 ARRL SSB DX Contest in which I operated as a Single-Operator + Packet from K1GQ. Prior to the contest, I made several strategic operating decisions:

- Ignore the 10-minute Multi-Single rule
- Announce as many multipliers as possible for other users
- Target my score to be competitive with some of the smaller multi-operator efforts
- Focus the operation on a very high multiplier count

I found it difficult to quantify the "what-if" scenario for determining the incremental increase to my score with and without packet radio spotting. My best guess is as follows:

K1AR Breakdown with Packet

Band	QSOs	Countries
160M	43	36
80M	157	69
40M	185	78
20M	1097	133
15M	840	111
10M	68	43
TOTAL	2390	470

SCORE: 3,368,490

Estimated K1AR Breakdown Without Packet

Band	QSOs	Countries
160M	38	31
80M	148	60
40M	175	68
20M	1082	116
15M	830	101
10M	61	36
TOTAL	2334	412

SCORE: 2,884,824*

*Estimated score is skewed upwards by increased time running stations. Multiplier estimates are based on "SPOT" indicator in actual log.

In describing my experience, I found the benefits from external spotting started immediately at the beginning of the contest. My first spotted multiplier was an S-2 PJ0B on backscatter at 0002Z. What followed was a long list of interesting catches that wound their way into the log as I ran, ran, and ran some more. For example (in the first hour or two):

0002Z PJ0B
 0019Z PY1ZFO/0
 0033Z G4DUW/DU1
 0042Z HD8D
 0048Z YS1MAE
 0050Z 9Q5NW
 0058Z 9Y4RX
 0113Z TR8SA
 0117Z CP1IL
 0125Z TG9GI
 0136Z IS0WON (40M)
 0142Z V47NXX

What I have found is that Packet Spotting allows a station to run more often without the fear of losing multipliers in the process; the best of both worlds for a contester. The real skill is in your ability to hold a frequency (such as a band edge) while running around working spotted multipliers.

In addition to the obvious advantage of working spotted multipliers, there is a highly leverageable technique I began using during the contest. Even when I was operating as a single operator, passing multipliers was key to my strategy. However, nothing improves a score better than passing a multiplier to another band that was spotted by someone else!! In my log, I counted 14 multipliers that I moved to another band immediately after receiving the spotting information and working the station (of course I "re-spotted" the station on his new frequency, hi). Combine that with 50+ incremental multipliers from packet and the usual passing activity and it becomes immediately clear how you can get a high multiplier.

Packet spotting means a lot of band changing as your VFO dial flies across the bands. For example, I changed bands 211 times over 43 hours of operating (5 times per hour on the average). On one log page alone I had 19 band changes (35% of total QSOs on that page) and another with 17 switches. While exhilarating, that style of operating can really wear you out over the course of 48 hours.

In addition to all of the fun, this mode of operating opens up some interesting ethical questions. For example, you enter into your system:

- "Hey guys, I have the band edge on 20M into JA. I want to take a 5 minute break...can someone hold my frequency until I get back?"
- "K1AR...BV2A just called me...come work it and move him to another band off my frequency"
- "Did anyone get the power of that TR8 on 20M?"

never admit to any of the above...even at Dayton), but it makes you think a little, doesn't it?

Based on the growing popularity of packet radio spotting, I think it has gone beyond being simply a fad. AK1A informs me there are over 20 PacketCluster systems installed around the U.S., supporting virtually every major contest club. Until now, I haven't taken a stand on the issue of new operating categories for single-operators + packet. Furthermore, as a contest administrator myself (CQWW Contest Committee), the thought of another category is not very appealing on the surface. What I have discovered with packet spotting is there are new opportunities for guys like me with "smaller" stations to develop significant scores (obviously, the K1GQ example in this article doesn't fit into that argument). While this mode of operating is fun for what it is, I would support a new operating class to enhance both packet radio itself and the payback for those choosing to participate. Simply put, does it really make sense for K1AR to compete against W3LPL in the final standings?

Finally, there are those inevitable collection of stories one acquires over a contest weekend. I think I was in more pileups battling it out with 8 other S9+30 W1's than any other demographic combination. However, there were at least 4 or 5 times I can remember when we joined forces with a rare multiplier and "passed it around the horn" at the expense of our counterparts to the South and West, hi. Packet Radio for me is simply a fun way to operate. of course, there is nothing that will beat 300+ hours at NP4A, but this is the closest I've come recently. While K1AR may return to the single operator ranks one of these days, this is my choice of operating for the moment.

Ferrite Super-Bead Specifications

John J. Kenny, W1RR

These are the results of my measurements on Cho-Sorb(R) EMI absorbers using an HP Vector Impedance meter. The entries are in polar form: Magnitude/Angle.

Freq.	Thin Wire			1/4" Coax RG-213		
	1 Bead	2 Beads	4 Beads	1 Bead 2 passes	4 Beads 2 passes	4 Beads
1.2	24.4/68	48/67	88/68	95/68	280/43	88/70
1.5	28.8/64	57/65	102/67	111/67	310/38	104/68
1.8	32/63	64/61	117/65	121/63	291/32	118/66
2	34.5/62	69/61	126/63	134/61	294/30	127/64
3	44/57	87.5/56	164/59	171/56	365/21	166/60
3.5	48.5/56	96/55	181/57	187/55	380/18	183/58
4	52/55	100/54	196/56	202/54	380/18	197/57
5	60/54	115/53	227/54	228/52	390/11	225/55
7	73/53	141/51	273/51	282/50	400/03	280/52
14	110/47	218/43	430/41	420/41	400/-11	460/40
21	137/42	275/37	550/31	540/31	330/-24	590/26
28	155/38	295/31	620/21	610/22	290/-29	650/12

No judgments will come from this author (and I'll

These data indicate the following:

- The impedance is proportional to the number of beads.
- The diameter of the conductor does not matter.
- N-passes of thin wire through the hole give N-squared times the impedance.
- Multiple passes of larger conductors are affected by the capacitance between windings.

Score Rumors:

Jeff DeTray, NK1F, YCCC Scorekeeper

CQ WPX CW:

Multi-Single:

Call	Qs	Ps	Score
KB1W	1891	552	3M

KB1W ops: KB1W, N1EMG, NJ1T

IARU Radiosport:

Call	Qs	Ms	modes
K1CC	1800	160	mixed
K1KI	1900	185	mixed
K1TO	1730	157	cw
WC4E	1400	182	cw
K4VX (KM9P)	1540	142	cw
N5AW (M/S)	1.6M		

Movers and Shakers

The club roster in this issue has the following changes:

Carl W. Wedekind, ex-KA2VZW, is now WG2E.

Kevin Hilinski, ex-KA1QAH, is now NR1L.

Eric, KS1N, has moved:

Eric St. Cyr, KS1N

20 Hudson Street

North Adams, MA 01247

New home phone number for Bob Wilson, KA1XN, is (413)733-3702.

Bill, W2RQ, has moved:

Bill Keller, W2RQ

269 Andover-Sparta Road

Newton, NJ 07860

Home phone: (201)729-3119

Work phone: (201)649-7674

Bill, KC1GS, has moved:

Bill Acito, KC1GS

P. O. Box 787

Hudson, MA 01749

Home phone: (508)753-3570

NEW AREA CODE: After July 16th, many members in the East Mass. section of the club who were in area code 617 are now in area code 508.

New Crew

Please welcome the following new and returning members who joined at the June meeting:

Tom Francis, NM1Q

P. O. Box 346

South Woodstock, CT 06267-0346

Phone: (203)974-1597

Rick Lapp, KC2FD

3 Linden St. N

Coram, NY 11727

Home phone: (516)473-7884

Work phone: (516)582-4422

Rich Critz, KB4N

141 Hills Ferry Road

Nashua, NH 03060

Home phone: (603)595-7275

Work phone: (508)467-2991

Excess Cargo

Mosely S402 2-element 40m beam, \$200. Kenwood TV502S 2m transverter, \$150. ICOM IC25A 2m mobile rig, \$240. Ham II rotator, completely rebuilt, \$200. Contact Rich, K1CC, at 203-875-0166.

Two 30' booms 3" OD x .125" wall 6063-T6 aluminum. Contact Gordon, KA1DWX, at (508)263-1066 (evenings).

Hardline, 1/2" or 3/4", 75 Ω , 100' - 700' lengths, 10-20 cents a foot. Can deliver. Call Ron, K1BW, at (508)797-4190.

WANTED: 500 Hz cw filters for Kenwood TS-830. Contact Rich, K1CC, at 203-875-0166.

THE CLUB RESOURCES PAGE

THE Place to Find Club Information

DUES are due at the April election meeting, which begins our club "contest year", with a grace period until the end of June. Membership in the club will lapse at the end of the grace period if dues are not paid up. In order to re-join the club, a lapsed member must attend a meeting, like any new member, and be welcomed back into membership, or may become a subscriber to the *Scuttlebutt* by paying up (see below). Club members who move out of club territory and so are not eligible to contribute to club aggregate scores automatically become subscribers. New members who join at the last meeting of the club's contest year (February) are credited with dues for the following year (that is, the contest year beginning that April). You can tell if you owe dues by checking your **Butt** mailing label. Only paid-up members are eligible to contribute to the club score in contests.

FAMILY MEMBERS Members of the same family living at the same address may elect to receive only one copy of the **Butt**. One member of the family must pay full dues, enabling the rest of the family to join as family members. Being a family member is currently free.

STUDENT MEMBERS Full-time students are eligible for dues at half the regular rate.

SCUTTLEBUTT SUBSCRIBERS Anyone may subscribe to the club newsletter, the *Scuttlebutt*. A subscription currently costs \$10 per year. At the present time, overseas subscriptions cost the same as domestic (we have very few overseas subscribers). The subscription period begins at the beginning of the club year, in April. New subscribers who begin their subscriptions after the December issue are considered to have paid for the following year (that is, they receive as many issues as new members joining at that time do). You can tell if your subscription is current by checking your **Butt** mailing label. The grace period for late subscriptions is the same as for late memberships.

SCUTTLEBUTT ARTICLES should be sent to the *Scuttlebutt* editor, Paul Young, K1XM, 11 Michigan Drive, Hudson, MA 01749, home phone (508)562-5819. The deadline for each issue is three weeks before the next meeting.

CLUB JACKETS are available through Ed Kritsky, NT2X, 580 East 17th Street, Apt. 2F, Brooklyn, NY 11226, home phone (718)284-4493.

CLUB QSL CARDS are ordered through John Dorr, K1AR, 2 Baldwin Street, Windham, NH 03087, home phone (603)434-5661.

CLUB QSL CARD BADGES are available from Tom Frenaye, K1KI, 23 Pinehurst Road, Box 62, Unionville, CT 06085, home phone (203)673-5429, by sending him a club QSL card. The cost is \$1 payable to the club treasurer on receipt of your badge.

PACKET NET information is available from Dick Newell, AK1A, 8 Golden Run Rd., Bolton, MA 01740, home phone (508)779-5198, or Dave Robbins, KY1H, Baumann Road, Peru, MA 01235, home phone (413)655-2714.

CONTEST SCORES are sent to the club scorekeeper, Jeff Detray, NK1F, P. O. Box 524, Troy, NH 03465, home phone (603)242-7995.

CLUB ROSTER appears in the summer issue of the *Scuttlebutt* every year. Updates are published when members move or change call signs. If you want a new copy of the club roster, contact the club secretary/treasurer, Charlotte Richardson, KQ1F, 11 Michigan Drive, Hudson, MA 01749, home phone (508)562-5819.

CONTRIBUTIONS The YCCC welcomes your contributions, be it money to help offset the cost of the *Scuttlebutt* and club operations, scores for the club aggregate score, time spent helping other members, articles for the *Scuttlebutt*, or presentations at club meetings.

DXCC LIST The club maintains a one-page version of the ARRL DXCC Countries List. To get a copy, send an SASE to the club secretary, Charlotte Richardson, KQ1F, 11 Michigan Drive, Hudson, MA 01749. Complete DXCC rules are only available from the ARRL.

ARRL LIAISON For ARRL matters, contact Tom Frenaye, K1KI, 23 Pinehurst Road, Box 62, Unionville, CT 06085, home phone (203)673-5429.

1988-89 Yankee Clipper Contest Club Roster

CALL	NAME	PHONE NUMBERS	ADDRESS
AK1A	Dick Newell	508/779-5198 508/568-4667	8 Golden Run Rd., Bolton, MA 01740
N1ACH	Craig Clark	603/899-6103 603/878-1441	Box 83, Greenville, NH 03048
WB1AEL	Shawn C. Kelley	508/464-5818	50 Coal Kiln Rd., Princeton, MA 01541
N1AFC	Peter Archibald	207/767-2169 207/797-8931	Box 2288, S. Portland, ME 04106
K1AR	John Dorr	603/434-5661 508/967-1095	2 Baldwin St., Windham, NH 03087
N1AU	Bill Santelmann	617/862-1753 508/692-6000	30 Fairlawn Ln., Lexington, MA 02173-2715
WB1AUW	Robert Koerner	413/623-5460	Kilowatt Alley, Becket, MA 01223
NB1B	Dennis Egan	508/655-0444 508/358-2912	3 Keith Rd., Wayland, MA 01778-4517
NC1B	Shawn McCormick	413/786-7966	Box 17, Feeding Hills, MA 01030
K1BG	Bruce Blain	508/433-6363 617/938-8444	34 Bancroft St., Pepperell, MA 01463
W1BIH	John H. Thompson	203/489-7697	Box 1, Torrington, CT 06790
W1BK	Charles McCarthy	508/562-5622	128 Forest Av., Hudson, MA 01749
W1BR	Roger Prince	508/393-3413 508/798-8576	66 Washburn St., Northboro, MA 01532
N1BVZ	Donald V. Tanguay	617/871-0590 617/328-6155	272 Bedford St. D1, Abington, MA 02351
K1BW	Ron Grzelak	508/797-4190 508/793-0405	56 Stebbins St., Chicopee, MA 01020
AD1C	James Reisert	508/635-0232 508/486-6905	52 Swanson Ct. #26B, Boxborough, MA 01719
KM1C	Bill Pedersen	603/673-1678	Roberge Dr., Amherst, NH 03031
KA1CB	David Gerns	603/382-6364 508/657-8650	3 Rolling Hill Av., Plaistow, NH 03865
K1CC	Rich Assarabowski	203/875-0166 203/727-7438	306 Vernon Av., Vernon, CT 06066
KA1CI	Richard Reed	203/742-7008	62 Springdale Rd., Coventry, CT 06083
N1CKN	Pat Couture	617/488-8144	50 Canal St., Medford, MA 02155
K1CLN	Bill Welch	508/653-2347 617/732-4745	86 Woodland St., S. Natick, MA 01760
WB1CNM	James Russell	508/586-7524 617/642-2201	56 Elm Av., Brockton, MA 02401
N1CQ	Bill Shaheen	413/467-9075 203/486-4537	49 South St., Granby, MA 01033
KG1D	Lester Kemble	203/872-3099 203/566-4794	14 Grandview Terr., Vernon, CT 06066
N1DEA	James R. Henderson	617/259-8738	Giles Rd., Lincoln, MA 01773
K1DG	Doug Grant	603/432-4738 617/935-5565 x 2508	144 Kendall Pond Rd., Windham, NH 03087
WB1DGV	Garry P. Anderson Sr.	508/363-5335 508/363-5335	25 Pleasant St., West Newbury, MA 01985
N1DTG	Terri Corey	401/765-4444	Jencks Rd., Cumberland, RI 02864
K1DW	Dallas Ward	203/521-9117 203/365-2788	25 Belcrest Rd., W. Hartford, CT 06107
KA1DWX	Gordon Durk	508/263-1066 508/632-0667	115 Cobleigh Rd., Boxborough, MA 01719
K1EA	Ken Wolff	508/456-8272 508/460-2055	221 Old Littleton Rd., Harvard, MA 01451
WA1EKV	Chuck O'Neal III		Box 231, Bolton, MA 01740
N1EMG	Ken Loynes	413/743-3877 413/494-6859	Black Brook Rd., Savoy, MA 01256
KC1EO	Bill McGowan	603/465-7229 617/890-4555	33 Truell Rd., Hollis, NH 03049
KA1ERF	Julie Czajkowski	508/885-3841 508/885-3841	North Brookfield Rd., Spencer, MA 01562
KA1ESR	Karen Poellnitz	508/879-6290 617/732-5420	44 Sunset Dr., Framingham, MA 01701
W1ETH	Paul R. Ryack	413/533-0674 413/538-2208	67 Silver St., S. Hadley, MA 01075
KC1F	Stu Santelmann	603/672-2509 508/682-5276 x 173	20 Larch Rd., Milford, NH 03055
KQ1F	Charlotte L. Richardson	508/562-5819 508/568-6588	11 Michigan Dr., Hudson, MA 01749
KX1F	Lawrence D. Savoy	413/783-7786 203/674-3894	51 Pine Hill Rd., Springfield, MA 01118
NJ1F	Brian J. Szweczyk	413/743-5781 413/499-3333	74 East St., Adams, MA 01220
NK1F	Jeff DeTray	603/242-7995 603/924-9471	Box 524, Troy, NH 03465
KA1FBY	Albert Kinnon	508/475-3279 617/423-3814	5 Argilla Rd., Andover, MA 01810
N1FJ	Frandy Johnson	413/584-9005	275 Main St., Northampton, MA 01060
W1FJ	Al Rousseau	617/598-3744 617/599-7500 x 173	180 Den Quarry Rd., Lynn, MA 01904
W1FM	Jake Handwerker	617/862-6742 617/271-2000	17 Pine Knoll Rd., Lexington, MA 02173
W1FV	John Kaufman	508/897-5929 617/863-5500 x 4041	47 Durant Av., Maynard, MA 01754
K1FWE	John Webster	603/432-4159 617/438-4300	74 Redfield Cir., Derry, NH 03038
K1FWF	John D. Allen	508/562-3045 508/870-9856	44 Walnut St., Hudson, MA 01749
KM1G	Rick Booth	203/535-0123	9 McGrath Ct., Stonington, CT 06378
KA1GG	Bob DeCosta	508/763-5539 508/674-4867	Box 64, Rochester, MA 02770
W1GG	Gary Gaudette	413/443-3404 413/494-4049	21 Westview Rd., Lanesboro, MA 01237
W1GIH	Thornton Ash	508/369-9282 508/264-6411	163 Nowell Farme Rd., Carlisle, MA 01741
K1GQ	Bill Myers	603/465-2673 617/944-6850 x 2116	Box 501 Laurel Hill Rd., Hollis, NH 03049
KA1GQW	David R. Berthiaume	401/333-1884	15 Orchard Dr., Cumberland, RI 02864
KC1GS	Bill Acito, Jr.	508/753-3570 508/568-6611	Box 787, Hudson, MA 01749
K1GW	Glen Whitehouse	603/673-6290 603/627-7877	1 Pinnacle Rd., Amherst, NH 03031
KB1H	Dick Pechie	203/779-1304 203/824-5157	Box 265, Dayville, CT 06241
KM1H	Carl Huether	603/635-3048 603/635-2235	54 Hobbs Rd., Pelham, NH 03076
KY1H	Dave Robbins	413/655-2714 413/494-2023	Baumann Rd., Peru, MA 01235
NB1H	Marty Durham	603/964-5383 617/272-3000 x 1860	20 Old Locke Rd., N. Hampton, NH 03862
W1HNZ	Bruce Rusch	508/443-0503 508/454-6200	97 Brimstone Ln., Sudbury, MA 01776
KB1I	John A. Dority	203/774-4547 203/774-9246	RR 2 Box 447, Danielson, CT 06239
NK1I	Barb Shutt	413/584-2685	269 Main St., Northampton, MA 01060
NO1I	Victor Bennison	603/673-9073	2 Georgetown Dr., Amherst, NH 03031
KA1IDC	Ron McElroy	413/743-0515 413/499-5951	Outlook Av., Cheshire, MA 01225
W1IHN	Bert Michaud	508/459-6774	43 River Rd., Lowell, MA 01852

K1IJU	Norman Peacor	413/267-3266	Box 1148, East Orleans, MA 02643
K1IJV	Jean Peacor	413/267-3266	Box 1148, East Orleans, MA 02643
K1IK	Al Johnson	802/464-5566 802/464-5566	Box 77, West Dover, VT 05356
KA1ION	John R. Fowler	203/272-0470	945 Marion Rd., Cheshire, CT 06410
K1IR	Jim Idelson	617/444-6863 508/692-6200	196 Maple St., Needham, MA 02192
K1IU	Jeff Bouvier	401/765-4444 401/751-9960	Jencks Rd., Cumberland, RI 02864
KS1J	James Bowman	401/767-3900 x 602	50 Walnut Rd., Barrington, RI 02806
W1JR	Jospeh H. Reisert		17 Mansfield Dr., Chelmsford, MA 01824
K1JX	Clarke Greene	203/346-4308 203/265-8547	92 B Cynthia La., Middletown, CT 06457
KN1K	Robert B. Weinstock	508/620-1747	Box 331, Cambridge, MA 02238
KY1K	Art Allen	207/773-8731	74 Holm Av., Portland, ME 04102
NK1K	Rusty Lyster	603/772-4593 603/772-2233	Brentwood Rd., Exeter, NH 03833
K1KA	Dave Mackey	603/487-2677 603/644-3555	Box 600, New Boston, NH 03070
K1KI	Tom Frenaye	203/673-5429 203/275-5116	23 Pinehurst Rd., Box 62, Unionville, CT 06085
K1KJT	Edward J. Peters	508/995-2427	29 Greenbrier Dr., New Bedford, MA 02745
W1KM	Greg Cronin	508/428-4205 508/540-8150	172 Old Mill Rd., Marstens Mills, MA 02648
K1KNQ	Jack Rosiello	508/842-3301	32 Deerfield Rd., Shrewsbury, MA 01545
KA1KPH	Bob McCormick	413/786-7966 203/627-7025	Box 17, Feeding Hills, MA 01030
KA1KRT	Jay M. Gaudette	413/443-3404	21 Westview Rd., Lanesboro, MA 01239
KA1KSF	Linda Hilinski	203/872-6197	17 Pilgrim Dr., Tolland, CT 06084
AK1L	Raymond Tabloski	603/893-0206	30 Hall Farm Rd., Atkinson, NH 03811
NR1L	Kevin Hilinski	203/872-6197	17 Pilgrim Dr., Tolland, CT 06084
KA1LR	Paul S. Grupp	508/597-5936 508/597-5936	8 Battery Rd., West Townsend, MA 01474
NC1M	Hugh Masterman	508/692-8416 508/692-6000	24 Fletcher Rd., Westford, MA 01886
KA1MDG	John F. Corini	508/779-5424	22 Laurel Dr., Bolton, MA 01746
K1MEM	Jim Dionne	508/443-2345 617/577-4145	31 Demarco Rd., Sudbury, MA 01776
KA1MI	Dave Meldrum	508/686-4711 508/671-3044	28 Cedar Ln., North Andover, MA 01845
K1MM	Bill Poellnitz	508/879-6290 617/235-2000	44 Sunset Dr., Framingham, MA 01701
K1MNS	Larry Blowin	603/432-5866 617/329-4050	52 Warner Hill Rd., Derry, NH 03038
KA1MP	Philmore Smith	413/562-4731	50 Woodbridge Ln., Westfield, MA 01085
KS1N	Eric St. Cyr	413/663-3291	20 Hudson St., North Adams, MA 01247
KT1N	Roy Gould	508/897-8009 617/884-7486	Box DX, Stow, MA 01775
NG1N	Bill Toomey	603/886-1120 603/884-7639	4 Twilight Dr., Nashua, NH 03062-1469
KA1O	Greg Papadeas	603/888-6315 508/568-4160	4 Chaucer Rd., Nashua, NH 03062
KT1O	Steve Wedge	508/369-5977 508/475-4700 x 9373	1386 Main St., Concord, MA 01742
KA1ODA	Mark Curran	508/755-5203 508/793-5023	148 West St., Worcester, MA 01609
W1OO	Lanny Bailey	207/797-4024	1454 Washington Av., Portland, ME 04103
KM1P	Joseph B. Fitzgerald	203/668-5864 508/791-7545	1210 Newgate Rd., West Suffield, CT 06093
W1PH	Kurt Pauer	603/673-7201	Box 754, Amherst, NH 03031
KC1Q	David Jordan	508/668-1609	168 North St., Walpole, MA 02081
NM1Q	Tom Francis	203/974-1597 203/974-1597	Box 346, South Woodstock, CT 06267-0346
KA1QXI	Scott Johnson		49 Goodnough Rd., Chestnut Hill, MA 02167
KA1R	Matt Power	617/878-5717 617/253-2538	145 Grove St., Norwell, MA 02061
KR1R	Billy Lunt	413/243-3230 203/666-1541	Main Rd., Tyringham, MA 01264
KB1RB	Steven Elkind	617/862-6590 508/568-4127	41 Chase Av., Lexington, MA 02173
N1RC	Robert Clarke	617/639-0536 617/631-4228	119 Washington St. #4, Marblehead, MA 01945
KA1RE	Robert K. Adamson	413/443-0856	57 Quirico Dr., Pittsfield, MA 01201
W1RM	Peter Chamalian	203/673-4395	81 Savarese Ln., Burlington, CT 06013
K1RQ	Dana Cobb	207/655-7780	Box 813 Cobb Rd., Raymond, ME 04071
W1RR	John Kenny	603/394-7921 508/681-6551	RFD Woodman Rd., South Hampton, NH 03827
W1RT	Bob DeBragga	203/535-4097 203/535-4097	RFD 1 Box 239, Stonington, CT 06378
K1RU	Gene Frohman	203/393-1772 203/386-6137	52 Ridgewood Dr., Bethany, CT 06525
K1RX	Mark Pride	203/271-2076 203/265-8825	1130 Sumit Rd., Cheshire, CT 06410
AI1S	Bruce Terrell	413/442-6114 413/494-2739	Box 1922, Pittsfield, MA 01202
K1SA	Bernie Cohen	207/773-6589 207/797-3585	194 Craigie St., Portland, ME 04102
K1SF	Bob Archambeault	508/885-2704	94 Chestnut St., Spencer, MA 01562
K1ST	Steve Tolf	603/772-6131	RFD 1 Box 176A, Exeter, NH 03833
KB1T	John G. David	603/673-9014 603/673-4100	Box 1015, Amherst, NH 03031
K1TO	Dan Street	203/653-2343 203/563-8234 x 4117	10 Petersen Rd., Granby, CT 06035
K1TR	Ed Parsons	603/437-0599 508/374-5695	9 Grandview Rd., Windham, NH 03087
K1TWF	Michael N. Raisbeck	508/250-1235 508/256-6600 x 6427	85 High St., Chelmsford, MA 01824
K1TXH	Betty McCarthy		128 Forest Av., Hudson, MA 01749
N1TZ	Bob Czajkowski	508/885-3841 508/885-3841	North Brookfield Rd., Spencer, MA 01562
WA1TZV	Jerry Muller	603/635-3890 508/667-7070	4 Garland Dr., Pelham, NH 03076
WA1UAR	Michael McCarthy	508/692-3525 508/263-9929	91 Dunstable Rd., Westford, MA 01886
KF1V	Mark W. Olsen	203/627-6786 203/627-3429	7A Riverview Dr., E. Windsor, CT 06088
KR1V	Dan Crites	409/693-7626	1700 SW Pkwy. Apt. 41, College Station, TX 77840
KA1VC	George Smith	203/872-1440	198 Rainbow Trail, Vernon, CT 06066
K1VR	Fred Hopengarten	617/259-0088 617/969-1113	6 Willarch Rd., RFD 1, Lincoln, MA 01773
K1VSJ	Howard Bromberg	401/884-4962 401/231-1000	21 Wingate Rd., Providence, RI 02906
K1VUT	David Clemons	508/947-3784	148 Rocky Meadow St., Middleborough, MA 02346

KB1W	Leonard Bean	413/443-0725 413/494-4325
W1WAI	David S. Allen	508/443-9867 508/490-7715
W1WEF	Jack Schuster	203/633-2756 203/565-0046
KB1WH	John Sykes Jr.	203/469-5938
K1WW	Ray Crites	603/424-7397 603/472-3911 x 370
KA1X	Shirley R. Tabloski	603/893-0206
K1XA	Robert Halprin	203/666-1541
W1XK	Stan Kugler	203/756-6056
K1XM	Paul J. Young	508/562-5819 508/486-5276
KA1XN	Bob Wilson	413/733-3702 617/552-5344
W1XX	John Lindholm	203/727-9296 203/666-1541
KE1Y	Rolf Seichter	508/851-5338 617/225-1138
NB1Y	Don Nelsen	617/729-8362 508/568-4453
K1YR	Louis Cohen	203/393-1473
NK1Z	William Foose	508/897-4766 617/271-2026
WA1ZAM	Ed Landry	413/663-8126
KA1ZE	Stan Hilinski	203/872-6197 203/649-3258
K1ZM	Jeff Briggs	914/221-2450 212/808-0173
KA2AEV	Michael Samanka	212/326-2792
KE2BA	Robert J. Koziomkowski	
NQ2D	James Metcalf	516/744-9422 516/467-4800
WG2E	Carl W. Wedekind	518/489-6652
K2EK	Bill Gioia	914/221-1672 203/964-3554
KC2FD	Rick Lapp	516/473-7884 516/582-4422
N2GC	Michael Musitano	516/741-6876
W2IB	Art Wildblood	914/331-2864 914/383-7742
KR2J	Bob Naumann	201/728-5486 201/768-5111
WB2KMY	Doug Sharp	518/370-8799
NJ2L	Rus Healy	203/225-0387 203/666-1541
WA2LGT	Joe Hoodak	
KQ2M	Bob Shohet	516/736-6869 516/427-1414
N2MG	Mike Gilmer	516/265-8198 516/845-2902
VU2MML	Manish S. Doshi	508/754-5330
N2NT	Andy Blank	
K2OY	Bruce Robideau	914/677-5717 914/433-5373
KI2P	Charles Stover	413/268-3922
KU2Q	Susan King	914/687-9700 914/385-3688
WB2Q	Stephen King	914/687-9700
KD2RD	John F. Bagno	516/751-3473 516/751-3473
W2RQ	Bill Keller	201/729-3119 201/649-7674
KZ2S	John Golomb	201/449-3811
KD2SX	Charles Morrison	401/722-0746
K2TR	Fred Lass	518/355-4813 518/346-6666
K2WR	Rich Gelber	212/580-1075 212/887-3675
NT2X	Edward Kritsky	718/284-4493
K2XA	Saul Abrams	518/439-5700 518/474-7579
AA2Z	Mark Wilson	203/267-2179 203/666-1541
WB3ANE	Hope Smith	203/521-5086
W3AZD	Don Search	203/521-5086 203/666-1541
AI3E	Dwight Sipler	508/897-5996 617/861-3045
KJ4KB	John Hennessee	203/666-1541
KB4N	Richard Critz	603/595-7275 508/467-2991
K5NA	Richard King	914/687-9700 914/385-1122
K8HVT	Hal Offutt	203/655-2837 212/912-7185
NI8L	Scott Detloff	603/883-2929 603/889-7377
KC8PE	Bill Hamley	203/272-6001 203/828-4186
K8PO	Paul Obert	508/462-3584 603/424-1400
WA8SWM	Steve Boone	508/533-8769 508/841-3351
K9ES	Eric Smitt	508/752-9153
NU0X	Jay Mabey	203/666-3940 203/666-1541
DL7AEY	Matthias Strelow	508/470-0691

62 Wellington Av., Pittsfield, MA 01201
 22 Saxony Dr., Sudbury, MA 01776
 408 Thompson St., Glastonbury, CT 06033
 196 Beacon Av., New Haven, CT 06512
 19 Hutchinson Rd., Merrimack, NH 03054
 30 Hall Farm Rd., Atkinson, NH 03811
 Box 624, Newington, CT 06111
 147 Grandview Av., Waterbury, CT 06708
 11 Michigan Dr., Hudson, MA 01749
 179 Knollwood St., Springfield, MA 01104
 567 Broadview Terr., Hartford, CT 06106
 80 Lancaster Dr., Tewksbury, MA 01876
 97 Cambridge St., Winchester, MA 01890
 50 Bethridge Rd., Bethany, CT 06525
 26 Douglas Av. #7, Maynard, MA 01754
 140 Cliff St., North Adams, MA 01247
 17 Pilgrim Dr., Tolland, CT 06084
 R. D. 6 Box 72, Hopewell Junction, NY 12533
 6407 72nd St., Middle Village, NY 11379
 8131 Elmer Hill Rd., Rome, NY 13440
 Box 50, Sound Beach, LI, NY 11789
 7 Prospect Av., Albany, NY 12205
 RD 7 Rushmore Rd., Hopewell Junction, NY 12533
 3 Linden St. N, Coram, NY 11727
 93 Roslyn Rd., Mineola, NY 11501
 RFD 7 East Dr., Kingston, NY 12401
 6 Mullington Av., Hewitt, NJ 07421
 1197 Hillside Av. A16, Schenectady, NY 12309
 225 Main St., Newington, CT 06111
 148 Barretts Hill Rd., Hudson, NJ 03051
 12 Balsam Ct., Selden, NY 11784
 4 Grandview Ln., Smithtown, NY 11787
 12 Bluegrass Ln., Shrewsbury, MA 01545
 13 Scott Ct., Dayton, NJ 08810
 Box 311, Millbrook, NY 12545
 487, Haydenville, MA 01039
 Box DX, Cottekill, NY 12419
 Box DX, Cottekill, NY 12419
 18A Stony Rd., Stony Brook, NY 11790
 269 Andover-Sparta Rd., Newton, NJ 07860
 107 Bailey Corner Rd., Wall, NJ 07719
 Box 9106, Pawtucket, RI 02862
 RD 1 Box 301, Altamont, NY 12009
 205 West End Av., New York, NY 10023
 580 E. 17th St. Apt. 2, Brooklyn, NY 11226
 RD 1 Maple Rd., Slingerlands, NY 12159
 229 E. High St., E. Hampton, CT 06424
 194 Ridgewood Rd., W. Hartford, CT 06107
 294 Ridgewood Rd., W. Hartford, CT 06107
 493 Great Rd., Stow, MA 01775
 83 Main St. Apt. 10-D, Newington, CT 06111
 141 Hills Ferry Rd., Nashua, NH 03060
 Box DX, Cottekill, NY 12419
 25 Libby Ln., Darien, CT 06820
 2 Roedean Dr., Nashua, NH 03063
 722 Yalesville Rd., Cheshire, CT 06410
 50 Plummer Av., Newburyport, MA 01950
 15 Diane Dr., Medway, MA 02053
 10 Bowling Green Ln., Worcester, MA 01602
 54 Evergreen Rd., Newington, CT 06111
 131 Abbot St., Andover, MA 01810

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 \$15 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.

The **Scuttlebutt** may be reprinted in whole or in part, except for separately copyrighted articles, provided proper credit is given.

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, usually 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 the club picnic on Saturday, August 6, 1988. Attendance at an official meeting is *required* in order to become a member. Club members congregate on 3830 KHz after contests. The packet frequency is 144.95 MHz.

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	K1RU	Gene Frohman	(203) 393-1772	(203) 386-6137
EMass	N1AU	Bill Santelmann	(617) 862-1753	(508) 692-6000
WMass	KY1H	Dave Robbins	(413) 655-2714	(413) 494-2023
VT/NH	K1GW	Glen Whitehouse	(603) 673-6290	(603) 627-7877
ME	K1SA	Bernie Cohen	(207) 773-6589	(207) 797-3585
NNY	K2TR	Fred Lass	(518) 355-4813	(518) 346-6666
SNY/NJ	K2EK	Bill Gioia	(914) 221-1672	(203) 964-3554

YCCC

11 Michigan Drive
Hudson MA 01749

FIRST CLASS