



Scuttlebutt

June 1998

Issue 135

Zulu Musings

Jeff Briggs, K1ZM

As you may know, I have agreed to take the helm as President of YCCC for the 1998-1999 season. When Dean Straw asked me to consider taking it on I considered it carefully but, in the end, believed I could make a contribution. I also felt obligated to assist someone who has been both a partner and a really good friend over the past year. And, of course, it is a privilege to be able to have the opportunity to lead such a fine club once again after some 21 years. Another former YCCC President, N1AU/Bill Santelmann, has signed on as Vice President and I am delighted that he has agreed to do so.

The rest of the YCCC management team is returning for yet another year including K1GW/Glen Whitehouse as Activities Manager, KQ1F/Charlotte Richardson as Secretary and KV1W/Ric Plummer as Treasurer. It is a good group with lots of talent and experience and the Club is indeed fortunate to have these folks in place for another year.

Thanks are in order at this time to Len Kay, K1NU, who is retiring as Editor of the Scuttlebutt after several years. He has done a fine job and, along with Tom Frenaye, K1KI, brought the Scuttlebutt into the age of electronic distribution. YCCC Webmaster, Doug Scribner, K1ZO has agreed to pick up the Editorial side of the Scuttlebutt; the paper Publishing and Distribution responsibilities will continue to be done by Len, K1NU.

As we look forward to the next season, perhaps the most pressing matter to be addressed will be the nature of the Club's competitive effort for 1998-99. Will it be,

for example, another all-out effort to take on FRC in the CQWW and ARRL contests? Or, should we as a Club consider something else to shoot for instead? Is it time to consider the balance between all-out competition and just "having fun"?

The Club management team has been kicking some ideas around over the past weeks and we will all have a chance to focus our thinking on this topic together at our upcoming meeting on June 7th. Among other things, we shall devote about 45 minutes time to the topic as a group in order to learn what YOU the members want to do.....and what you think of something being discussed called the YCCC Challenge Competition. (You say you don't know what that might be? Then, come to the meeting to learn, kick it around as a group and see where the discussion leads.....)

Additional meeting topics will most likely include an interesting video presentation and the first in a series of "how to discussions" aimed at some of the newer members of our Club. I'll take the lead on the first of the "how to" discussions. It would be great if other Club members would offer their expertise on similar topics of interest at future meetings going forward.

I am looking here for short 10-20 minute presentations on specific topics that the experts among us might consider "old hat" but that would be of interest to newer, less-experienced contesters. Examples might include:

o how to set up antenna switching for efficient two radio contest operation

o how to set up an inexpensive 2 vertical phased array for 40M use if a yagi is not

practical at your location

o how to build a KW tuner for 80M use in less than 2 hours

o how to set up a ground radial system for lowband use in about 3 hours

o how to set up the stereo audio switching required for two radio contest operation

o how to determine the electrical length of coaxial phasing lines for use in stacked yagi and/or phased vertical configurations

Given the expertise available in this club, I'll bet many of our longer-tenured members can think up and deliver helpful guidance on any number of topics. And, many members probably have questions about things they would like to learn more about. As topics and needs surface, please make Club Activities Manager K1GW know of them and we will see what can be done to address the needs for knowledge that may exist out there.

Listed elsewhere in this Butt are the Sturbridge general meeting dates remaining for the balance of 1998. Please take note of the fact that the New England Boxboro Convention is being held this year from August 28-30th. In year's past, Boxboro was held in October so this represents a significant change! Please mark it on your calendar now as YCCC will be hosting a four-hour time slot on Saturday August 29th which will include an official Club general meeting. This also represents a great chance to sign up new members, so please remember this over the summer as you come to know new local hams and potential contesters.

I am looking forward to seeing you all on June 7th. 73 for now.....

**Yankee Clipper Contest Club
1998-1999 Officers and Staff**

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NLI Rich Gelber, K2WR (212) 580-1075 k2wr@njdx.org

The Yankee Clipper Contest Club (an ARRL affiliated club) holds five general meetings per year in Sturbridge, MA and various special meetings throughout club territory. Attendance at a meeting is required to become a member.

Articles in the **Scuttlebutt** (except for those separately copyrighted) may be reprinted, provided proper credit is given. The editorial deadline for the Scuttlebutt is the 10th of every odd month.

For any club-related questions, contact your area manager or any officer.

W1QSL Needs Your Help!

Burt Eldridge, W1ZS

Hi, fellow YCCC'rs!

I have recently taken over as manager of the W1 Qsl Bureau. QSLs arrive at the Springfield, MA, Post Office and are picked up there on a regular basis. After I get these they need to be "PRESORTED" into 26 alphabetical "piles". After this they are distributed to the 26 "LETTER SORTERS" located throughout New England.

I am looking for clubs, groups or individuals to get involved in the "PRESORTER" end of this process. A group of three individuals have done this in the past but are not able to continue. Some individuals and clubs are helping out now but I would like to establish a more permanent procedure!!

Most of the qsls are generated by YCCC members so I am asking for volunteers, either individuals or clubs, who might help. (It is a great way to get those DX QSLs right out of the Post Office!). No one group has to do it all but I would like to hear from anyone who could assist or would even want to know more about what is involved. The Bureau receives on the average 42,000 qsls each month so it can be a busy job at times!!!

Many thanks and 73,
Burt, W1ZS
eldr@sover.net
w1qsl@yccc.org

CU Minutes - March 18

William Davis, K1WD

This evening saw 21 contesting enthusiasts gather at the home of Mike (K1TWF) and Susan (WN1V) for a YCCC Contest University.

Ric Plummer (KV1W) opened the formal part of the meeting at around 7 PM and welcomed everyone. After a round of introductions Dave (K1MBO) talked about setting up a (modest) station - a most informative talk backed up by a very comprehensive hand-out; Mike (K1TWF) chatted about the basics of contesting; and William (K1WD) gave an overview of PED (The Well-Kept Secret Weapon) (PED is a contest-logging software simulator).

The CU was unlike any I've attended - mostly we spoke about contesting rather than who had the biggest aluminum appendage. Good fun was had, several new members joined (see below), and we welcomed them. And again, thanks goes to our gracious hosts K1TWF & WN1V.

Those in attendance:

K1TWF, WN1V, KV1W, K1MBO, WO1N, AD1C, KY1B, KA1ULN*, N1GA (OK1DIX)*, NF1A*, N1RHY*, AA1QD, W1ES, W1TQ, WK1V*, W1AZ*, K0TV, N1TPY*, NG1W, K1TW, K1WD

* new members joining at this meeting.

Secretary's Report

Charlotte Richardson, KQ1F

The April, 1998, meeting of the Yankee Clipper Contest Club was held on Saturday, April 4, 1998, at the Sturbridge Host Hotel in Sturbridge, Mass. Club president Dean, N6BV, called the meeting to order. The treasury balance stood at \$2943.54. Dean noted that he will be moving back to W6-land. The meeting began with introductions of the 76 members present and their guests.

Nominations were then submitted for club officers for the 1998-1999 contest season. W1WEF nominated K1ZM for president, noting that Jeff had been YCCC's first president. K5FUV nominated N1AU for Vice President. KF2O nominated K1GW for Activities Manager. K1KI nominated KQ1F for Secretary. W1US nominated KV1W for Treasurer. There being no further nominations, this slate of officers was elected by acclamation.

During the break, Mark, K1RO, handed out awards and club mugs for the CQ WW 1997 contests.

Dean, N6BV, then gave a presentation on how to read log, using as an example K1AR's 1997 CQ WW CW log. He noted that the rate sheet is like a table of contents. The most information can be gleaned if the log has the exact operating frequencies automatically entered. K1AR averaged about 85 QSOs per hour, versus N6BV's 65 QSOs per hour. Dean showed how John was running 40m two and a half hours into the contest while tuning 20m for multipliers on his second radio.

K1XM had information on towers and antennas for sale. Paul knew of one hundred feet of Rohn 25 with a KT34XA for \$800, 48 feet of HBX tower for \$150, and a TA33 for \$50. Contact Paul for information on how to reach the owner.

(NOTE: The Rohn 25 tower sold almost immediately.)

Paul, K1XM, and Charlotte, KQ1F, then presented a short multi-projector slide program on the 1996 J39A contest expedition.

The club welcomed one new member, Jordan Koltz, K1JK.

Lew Collins, W1GXT, then gave an informative talk on complying with the FCC's new RF safety guidelines. This is the FCC's implementation of the National Environmental Policy Act of 1969, and full compliance for amateur radio operators is needed by September 1, 2000. The new FCC rules are contained in the Title 47 Code of Federal Regulations. The RF exposure guidelines provide two sets of Maximum Permissible Exposure (MPE) limits. "Uncontrolled exposure" applies to the general public, while "controlled exposure" applies to the amateur radio operator and members of his/her immediate family. The controlled exposure limit is higher, in most cases by a factor of five. Making sure your station is in compliance is now part of renewing your ham license.

The MPE limits are measured in units of mW/cm² of RF power delivered to the human body. The limits are the strictest in the range from 30-300 MHz, that is, in the VHF range, because the human body is a good antenna at wavelengths around 3.5 meters, a

property known as the body resonance phenomenon. For controlled exposure, the limit in this range is 1 mW/cm², while the limit for the general public is .2 mW/cm². At lower HF frequencies, the limit rises to 100 mW/cm²; that is, you can be within a few feet of a vertical antenna and not exceed this level.

Station evaluation is not required if the output PEP is below the limits specified in FCC R&R 97.13(c)(1), which is 50W, or for push-to-talk mobile or portable operation. In FCC terminology, "push-to-talk mobile" means that the antenna is more than eight inches from the human body, for example, a mobile rig in a vehicle. "Portable" means that the antenna is less than eight inches from the human body, for example, a HT. Lew noted that for most ham radio clubs he speaks to, the discussion pretty much ends at this point since many of their members only operate this way, but further analysis is needed for contest and DXer stations.

He then introduced the concept of power density, which is power per unit area perpendicular to the direction of propagation and is termed S. It is usually expressed in W/m² or mW/cm². $S = EH = E^2/377 = 377 H^2$, where S is the power density in W/m², E is the electric field strength in V/m, H is the magnetic field strength in A/m, and 377 is of course the characteristic impedance of free space.

To predict RF fields, you need to calculate the power density per square meter. $S = PG / 4 \pi r^2$, where P is the power input to the antenna, G is the numeric power gain of the antenna relative to an isotropic radiator, and r is the distance to the center of radiation of the antenna. Make sure that you do this computation using the correct units for all the variables. Gain G is the numeric, or power, gain. Multiply ERP by 1.64 to get EIRP. To account for ground reflection, figure in 4x for perfect reflection, or use 2.56x for a more realistic estimate of reflection.

So, the main beam calculation you need to perform to do your station evaluation is $S = 33.4 ERP / r^2$, where S is the power density in uW/cm², ERP is the power in watts, and r is the distance in meters from the center of radiation of the antenna. For a Yagi, use the far field calculation at distances greater than one-half wavelength from the center of radiation. Hopefully, your nearest neighbor's house lies in the far field of your closest antenna. In the near field region, the fields are more complex, and the far-field estimates are pessimistic. Use antenna modeling software to estimate the field strength in this case, remembering that you must compute both E and H. The ARRL main beam graph plots S versus distance for various ERP values. For example, estimated distances to meet the RF power density guidelines for a 3-element tribander at 28 MHz with a gain of 8dBI look like this:

transmitter power:	distance to achieve:	
	controlled limit	uncontrolled limit
100 W	11'	24.5'
500 W	24.5'	74.9'
1000 W	34.7'	77.6'
1500 W	42.5'	95.1'

(see Secretary's Report, p 4)

(from Secretary's Report, p 3)

Other considerations you need to factor in include the peak-to-average ratio of the modulation, which depends on the modulation type, and the duty cycle of your transmissions. The duty cycle can be assumed to be 50% in two-way communications, and is computed over a 6-minute period for controlled limits or over a 30-minute period for uncontrolled limits. The modulation factors, as supplied by the FCC, for various kinds of signals are as follows:

transmission type:	peak-to-average power:	dB factor:
CW	0.4	4 dB
SSB, no processor	0.2	7 dB
SSB, heavy processor	0.5	3 dB
DSB or AM	0.3	5 dB
ATV	0.6	2 dB
SSTV, FSK, or AFSK	1.0	0 dB

Lew's estimates of duty cycle (on/off time) for various styles of operating:

activity:	6 min. avg:	30-min. avg:
code practice or tune up	1.0	1.0
ragchewing	1.0	0.5
contesting	0.5	0.5
net	<0.5	<0.1
DXing	<0.2	<0.1

There are several things you can do if you find you need to limit RF exposure to your neighbors or to yourself and your family. You can restrict physical access to your antennas. You can change your antenna height, pattern, or location. You can reduce exposure time. Or you can reduce transmitter power.

Useful reference material is available on the web at:
<http://www.fcc.gov/oet/rfsafety>
<http://www.fcc.gov/oet/dockets>
<http://arrl.org/news/rfsafety>

There are also several ARRL books and QST articles.

So, when it comes time for you to renew your license, you have several options for making sure your station is in compliance. You can do your own evaluation. You can use the FCC worksheet. You can use antenna modeling software. You can hire someone to do an evaluation for you. Or you can hire someone to make RF field measurements at your station.

Anyone with questions can contact Lew at:
 Lewis D. Collins
 10 Marshall Terrace
 Wayland, MA 01778-1104
 (508)358-5813

The meeting adjourned around 4:30 PM.

Flotsam & Jetsam

"Barnacle Jack" Schuster, W1WEF

This column is a place you can share your ideas with fellow YCCC members. No need to be original...we'll give credit to you AND the originator if we know who it was! Please send me your input...w1wef@snet.net, packet or snail mail.

Subscribe to the YCCC Reflector if you haven't already. Do so by sending email to yccc-request@yccc.org and say "subscribe" in the body of the message (without the quotes). To send information to the reflector address it to yccc@yccc.org and whatever you send will go to everyone on the reflector.

Speaking of email I just ran across the most comprehensive listing of ham sites yet on the web. Search for ac6v's home page, and look at AC6V's Gateway to DX and Ham Radio featuring 70 pages and 2000 links! For example, looking under "contesting" he has 27 links; under swap pages 17 links.

If I read everything I get each day in email, I'd be here all day. To reduce the burden of deleting every individual message I was receiving, I changed my reflector subscriptions to digest form. The digest still includes every message on the particular reflector for a given day, but you can scroll through the messages, read those you want to, and then delete the whole digest for that day. To subscribe to a digest, for example TowerTalk, send email to towertalk-digest-request@contesting.com and in the body of the message just say subscribe (or unsubscribe). Similarly, get digests from cq-contest, amps, topband, etc (see reflectors on ac6v's web site and go crazy!)

K1VR resolved a keyboard RFI problem by putting a metal plate under the keyboard, shielding the keyboard cable with braid (perhaps removed from coax?), and grounding the braid to the computer at one end and the plate at the keyboard. This was after ferrites alone wouldn't solve the problem.

K1VV made a 1.78:1 unun from a kit sold by Bytemark for a 1:1 Balun. The kit sells for \$8.50, and has a heavy duty Amidon core and enough enameled copper wire to build the full power unun shown on p 25 of Jerry Sevick's Transmission Line Transformers Handbook...48 designs. Let me know if you'd like further info...I plan to build one shortly for my 160 inv L.

AA1CE edits the help file in CT to make a concise list of items he most likely will need during a contest. He just uses the DOS text editor.

W1WEF has lots of wire antennas supported by rope, some over treetops. The rope that has stood up real well through the years is 3/16 braided polyester made by Lehigh and found in most discount dept. stores and places like Home Depot. It's the stuff with the pink stripe. The ends can be melted with a match like nylon to prevent unraveling. It comes with a guide to proper care and use of rope, and shows how to tie common knots. If you don't yet know how to tie a bowline, you need this!!! (tnx Steve Morris...K7LXC)

Del dot D = Rho

1998 Air Force Anniversary QSO Party

In response to an enormous number of requests following the Air Force 50th Anniversary QSO Party in September 1997, the AF Anniversary QSO Party is now an annual event!

0001 UTC September 19, 1998 - 2359 UTC September 20, 1998

PURPOSE: The purpose of the annual event is gathering on the air as many active and former members of the Air Force as possible for a weekend of fellowship and in remembrance of all those who served.

POINT IDENTIFIERS: Point identifiers will be used to identify participants' Air Force experience. The point values will be determined by subtracting the year the participant entered the Air Force from the year 1998. For example, people who joined in 1947 will have a point value of 51 (1998-1947=51) and will identify "/AF51" on CW or digital modes, and "Air Force Fifty-One" on voice. People who joined in 1988 would have a point value of 10 (1998-1988=10) and will identify as "/AF10" or "Air Force Ten." Participants without Air Force experience will identify as "/AF1" or "Air Force One."

Participants may use experience in any Air Force component (active, Air National Guard, or Air Force Reserve) to determine their point identifier. Members of our Air Force auxiliary, Civil Air Patrol, may use point identifiers based on when they joined CAP as a cadet or senior member. Previous members of our parent organization, the Army Air Corps, may use a point identifier of "AF51."

MULTIPLIERS: In 1997, final score was determined by totaling all of the point identifiers for all of the stations worked. For 1998, we are adding a multiplier which will be determined by counting the number of different point identifiers worked and multiplying your score by that multiplier. For example, if you work four stations with point identifiers of "AF8," "AF22," "AF8," and "AF4," you would determine your final score by first adding together all of the point identifiers (8+22+8+4=42) and then multiplying that number by three (since you worked three different point identifiers: AF8, AF22, and AF4), for a final total of 126 (42 x 3 = 126). (Note that you can count each identifier only once for the multiplier. So in this example, you can count "AF8" only once as a multiplier, even though you worked two "AF8" stations.) This new scoring scheme should encourage more "hunting" for even the smaller point identifiers, since it will be in the best interest of participants to work as many of the 51 different point identifiers (AF1 through AF51) as possible.

BONUS STATIONS: We will also be awarding point bonuses for working stations operating from the premises of Air Force installations worldwide. All stations (club or individual) operating within the boundaries of an Air Force base will identify the name of the base they are on. For example, K5TYP (the Mississippi winner for 1997) will identify "K5TYP, Air Force 51, Keesler Air Force Base." Our Razorback Radio Club station here on Hickam Air Force Base will identify "K5HOG, Air Force 24, Hickam Air Force Base." For each of those stations you work (even if more than one are on the same base),

not only will you count their usual point identifiers (and use them to compute the multiplier above), but you will also earn a bonus of 100 points per station to be added to your final score. If you work four stations located on AF bases, you will add 400 points to your score.

SCORING SUMMARY:

Step 1: Add the total of all point identifiers of all stations worked

Step 2: Count the number of different point identifiers worked, and multiply your score in Step 1 by that number (maximum multiplier will be 51)

Step 3: Count the number of stations worked which were operating from Air Force installations, and add 100 points for each of those stations to determine your final score.

A score calculation worksheet is available for download at:
<http://ourworld.compuserve.com/homepages/k5xs>

CLUB STATIONS: Clubs may use as their club point identifier the point identifier of any bonafide club member.

CQ's: Contest CQ calls to be given as "CQ AF" on CW and digital modes, and "CQ Air Force" on voice.

Stations may be worked once per band/mode.

FREQUENCIES: Operation is allowed on any authorized frequency, but we will encourage the following frequencies ending in "47" (to celebrate 1947, the year of our formation as a separate Service) as meeting places (e.g.-3547, 3947, 7047, 7247, 14047, 14247, 21047, 21347, 28047, 28447). Exchanges should consist of callsign with point identifiers and signal reports.

(E.G.-CW/Digital: "K5HOG/AF24 DE K5XH/AF1 599 K" Voice: "K5HOG Air Force Twenty-four this is K5XH Air Force 1, you are five by nine, over.")

LOG SUBMISSIONS: Log submissions for awards must include for each contact: the callsign of the station worked, its point identifier, date, time, frequency, and mode. Each page must have point identifiers totaled at the bottom of that page. Each log submission must include on the final page the following:

1. The total of all point identifiers.
2. The multiplier claimed.
3. Bonus points claimed for working stations which are operating from the premises of a U.S. Air Force installation worldwide.
4. Total points claimed.
5. A declaration as to whether the station is competing as a single operator station or a multiple operator station.
6. Signature of the licensee or other participant.

Logs must be received by The Razorback Radio Club not later than October 15, 1998 for award consideration. Logs may be submitted by e-mail (ASCII text file only) to k5hog@aol.com.

AWARDS: Awards for 1998 will include plaques for overall worldwide single and multiple winners, and certificates for high single and multiple operator stations in each country, state, and province.

CQ WPX Phone

Dave Hoaglin, K1HT

CALL	SCORE	QSO'S	PTS	PRE
SO/QRP				
N1TM	177,813	321	859	207
SO/HP/AB				
NB1B (@W1KM)	6,042,960	2306	7630	792
K1ZR	1,277,268	1000	2612	489
W1RY	852,748	731	2116	403
KD1YN	617,315	584	1655	373
WA1KKM	452,895	505	1635	277
N1EZC	132,867	267	703	189
KA1GJ (@N6BV)	91,180	226	485	188
K1TH	71,145	200	459	155
W1NHS	67,346	194	446	151
SO/LP/AB				
K1HT	332,760	422	1416	235
WF1L	328,322	505	983	334
K1VSJ	53,724	167	407	132
K1TW	52,299	151	447	117
K5MA	46,863	152	381	123
SO/UNLIMITED				
NA2NA (@N2ZX)	2,114,640	1501	3204	660
N1NQD	668,304	579	1836	364
K2SX	246,000	348		249
KV1W	167,272	284	824	203
N1SP	139,400	239	697	200
K2ZP	128,439	254	603	213
KA1ZFK	53,016	166	376	141
SINGLE BAND				
20M				
N1CC	507,561	561	1383	367
TRIBANDER /WIRE				
AD1C	2,717,526	1404	4362	623
W1CU	1,687,224	1117	2904	581
W1TE	727,301	700	1919	379
MULTI/SINGLE				
3W6WE	3,336,455	2431	4885	683
KIIG (@K1NG)	8,371,480	3033	9470	884
WR1X(@KE1FO)	1,021,470	830	2155	474
AD1T	677,805	732	1857	365
MULTI/MULTI				
KO6N (K1KI share)	1,216,640			

Operators at multi-ops

MULTI/SINGLE

3W6WE	K2WE W2LK
KIIG	KIIG K1NG K1SD
WR1X	WR1X KE1FO
AD1T	N1KWF K1ZO WA1ZYX

New Crew

Please welcome the following new members:

Jordan Koltz, W1JK 121 West Meadowview Road Holyoke, MA 01040 home phone: (413)532-3729
Art Pizo, NF1A 158 Concord Road, #J14 Billerica, MA 01821 home phone: (978)667-3015 email: aep@compuserve.com
Bernie Gardner, W1AZ 9 Prouty Avenue Norwell, MA 02061 home phone: (781)659-4281 email: bernieg@earthlink.net
Ladislav Valenta, N1GA (OK1DIX) 3 Heritage Drive Salem, MA 01970 home phone: (978)740-8037 email: dix@iname.com
Jamie Boudreau, N1RHY 47 Roosevelt Road Wilmington, MA 01887 home phone: (978)988-0239 email: jb_airgoz@classic.msn.com or airgoz@juno.com
Emerson C. "Charley" Reed, Jr., N1TPY 670 Princeton Boulevard, Apt. 14 Lowell, MA 01851 home phone: (978)937-7488 email: creed@netway.com
Niece Haynes, KAIULN Box 569 Andover, MA 01810 email: KAIULN@juno.com
Jim Martin, WK1V 311 Mammoth Road Lowell, MA 01854 home phone: (978)459-1773 email: jjm@shore.net

Movers and Shakers

New email address for Fred, K1EFI, is jflucas@worldnet.att.net.
 New email address for Ed, NZ1Q, is ederny@bigfoot.com.
 New email address for John, K2SIG, is k2sig@empireone.net.
 New home address/phone for Len, K1NU
 42 Goss Ave.
 Melrose, MA 02176
 781-665-7656

YCCC CLUB RESOURCE INFORMATION

DUES AND MEMBERSHIP STUFF Dues (currently \$20) are payable as of the April election meeting, which begins our club "contest year", with a grace period until the end of June, at which time your membership lapses if dues are not paid up. In order to rejoin, a lapsed member must attend a meeting, like any new member, or may simply 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 February meeting are credited with dues for the year beginning the following 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. **Mail your dues** to the club treasurer, Ric Plummer, KV1W, PO Box 1158, Berlin, MA 01503-2158. **FAMILY MEMBERS** Members of the same family living at the same address may elect to receive only one copy of the Scuttlebutt. One member of the family must pay full dues, enabling the rest of the family to join as family members, which is free.

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

SCUTTLEBUTT SUBSCRIPTIONS Anyone may subscribe to the club newsletter, the *Scuttlebutt*. The subscription year begins in April. Subscribers who sign up between December and April are considered paid-up for the upcoming year. 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, Doug Scribner K1ZO, preferably by E-mail at thecomshop@monad.net or on 3½" disk (in MSWord format or text file) by snail mail to Doug Scribner, 52 Manchester Street, Keene, NH 03431. The deadline for each issue is the 10th of the preceding month. **CONTEST SCORES** should be sent to the club scorekeeper, Dave Hoaglin, K1HT, preferably by packet or by E-mail at dave_hoaglin@abtassoc.com. Please include details such as numbers of QSOs, QSO points (if appropriate), and multipliers (all types); entry category; and power.

CLUB GOODIES **BADGES** YCCC badges are available from Ric, KV1W. Send \$2, name and call desired on the badge, and your mailing address to: Ric Plummer - YCCC Badge, PO Box 1158, Berlin, MA 01503-2158. **APPAREL** Len, K1NU, has stepped down after four years as Apparel Coordinator. We need someone to take over this important position. Contact K1NU if interested.

QSL CARDS are ordered through John Dorr, K1AR. To order, send John packet mail, or E-mail at k1ar@contesting.com, detailing exactly what you want the card to say. There are 2 lines of text available for awards, etc. You will receive a proof by return mail. Approve the proof, making any corrections, and return to John *with payment* (make checks out to John, not YCCC). Current price is \$54 for 2000 cards. Normal turnaround is 30 days after approving proof. **MEMBERSHIP ROSTER** is mailed annually with the August issue of the Scuttlebutt, and to new members when they join. Updates are published in 'Movers and Shakers' when members move or change callsigns.

COMPUTER STUFF **INTERNET REFLECTOR** There is an Internet mailing list for YCCC members. To subscribe, send mail to yccc-request@yccc.org. Include the words "subscribe yccc" in the body of the mail message. **WWW HOME PAGE** Come visit us at <http://www.yccc.org>. Our Webmaster is Doug Scribner, K1ZO. **CT CONTEST LOGGING SOFTWARE** is available from Matt, KC1XX. Orders: 603-878-4600. Support: 603-878-4200 CT-BBS: 603-878-1900 (28.8k, 8,N,1). As of this writing there is no E-mail address, but Matt says something is coming. There is an Internet mailing list for CT users. To subscribe, send email to CT-USER-REQUEST@contesting.com, and put only the word SUBSCRIBE in the message body. The CT reflector is also the best way to get CT country file updates. These updates may also be obtained from the CT BBS, or send a blank formatted disk and \$1.00 for postage to Jim Reisert, AD1C, 7 Charlemont Court, North Chelmsford, MA 01863-2306.

ADMINISTRATIVE STUFF **The W1 QSL BUREAU** is sponsored by the YCCC. Keep your account up to date with SASEs, or send a check. Stamps are sold at face value, envelopes are 10 cents each. Address: W1 QSL Bureau, YCCC, PO Box 80216, Springfield, MA 01138. Email address: w1qsl@yccc.org. **PACKET NETWORK** information is available from Charlie Carroll, K1XX, Candlelight Rd., Rindge NH 03461. **ARRL COMMITTEE REPS** are **CAC New England** Kurt Pauer, W6PH; **CAC Hudson** Rich Gelber, K2WR; **DXAC New England** Jim Dionne, K1MEM; **DXAC Hudson** Bill Hellman, W2UD. **ARRL LIAISON** is Tom, K1KI.

CT Operating Aid

Gary Yantis, W0TM

gyantis@midtec.com

Last fall I offered my CT operating aid sheets to anyone that wanted them. I hope the several hundred of you that requested them found them of help in the contests. Since then I've made a few updates including the addition of the latest function keys and commands through version 9.37. The operating aid sheets includes label cutouts to tape above keys as well as sheets listing function keys and commands. If you'd like the latest version just send me an e-mail. I'll send you the file as an e-mail attachment. Unless you request otherwise the file will be in Word 95 format.

June 1998 Meeting Agenda

- 1) Chat time (20-30 minutes)
- 2) Welcome/Callsign introduction
- 3) Short Business Mtg/Induction of New members
- 4) Group Discussion led by K1ZM & K1KI (45 minutes)
 - a) Dynamics of Club Competition
 - b) YCCC Challenge Competition
 - c) Assessment of how YCCC wishes to compete in 1998-99
- 5) Chat time (20 minutes)
- 6) "How To" Discussion (15 min.)
- 7) VK0IR Dx-pedition Video (30 mins approx)
- 8) Adjourn

Upcoming Meetings

Date	Type	Place
June 7 (Sun)	General	Sturbridge, MA
August 29 (Sat)	General	Boxboro, MA
October 11 (Sun)	General	Sturbridge, MA
December 5 (Sat)	General	Sturbridge, MA

For more information about a special meeting, contact the Area Manager of the indicated section.

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The next general meeting of the Yankee Clipper Contest Club will be held on Sunday June 7th, at 1:00 PM at the Host Hotel in Sturbridge, MA, near the intersection of I-84 and I-90. To get there, exit I-84 onto Route 20 West. Go through two sets of stoplights and turn right just before the Burger King into the hotel parking lot. C U there!

The YCCC Scuttlebutt
Box 1297
Burlington, MA 01803

FIRST CLASS MAIL