



Scuttlebutt

December 1991 Issue 96

Captain's Cabin

Stu Santelmann, KC1F

As I write this, the sun is once again in the middle of some horrendous activity that has resulted in "K" indices of 8 or so. By my calculation, the severe storm levels shortly after the phone weekend would be due to return 27 days later — around the CW weekend!! Thankfully, these storm levels held off until AFTER the phone weekend (although conditions were far from good!), and our intrepid club members persevered through adverse conditions to post some very credible scores in all categories. I know I'll miss some, but the following have come to my attention.

K1AR (at K1EA) and KM1H (by KQ2M) staged a weekend-long horserace for the single operator unassisted category, resulting in over five million points for the club, and a close victory for 'AR. We had several notable "assisted" entries as well, by KC1XX (nice prefix!), AK1A, AK1L, and others. And we also had competitive multi-singles from K5NA, K1VR, KZ1M, KB1H, and K1YR. Finally, there were at least three major multi-multis that I know of (K1ST, K2TR, and KY1H), who totalled over 25 million points for the club!! And check out K1ST's 20 meter score. And let's not forget the YCCC packet system, with all the people who invest time and money to make it work — the packet network score was 1440/170/641 for 3.17 million points, with 3913 spots!!!

But the real heroes of the weekend were the club members who squeezed

in operating time between family or work commitments, labored through pileups with modest stations, or otherwise went the extra mile. The following are a few that have come to my attention. First there is Bruce, WA1G, who although he was already an operator at the successful K1VR multi-single, drove home during his breaks to post another 245 K from his home station! KF2O (22 hours) and WA1IML (17 hours) both used the packet network to boost their scores to a cool half-million! The multi-single teams of KZ1M and KB1H goaded each other on to a combined aggregate score of over five million! Matt, KC1XX, in addition to lighting up the F2 layer for a 2.63 million point assisted score, pressed on despite lighting up his neighbors' houses! Tony, K1KP, stuck to his guns for 42 hours at his modest (low KT34A and wires) station, even though things were at times so slow that CT said he wasn't even operating (CT said he operated 31 hours!), and posted a 1.65 million assisted score! Les, KG1D, contributed 770K LOW POWER!! And finally, speaking of going the extra mile, NJ2L and K1TO travelled to Dutch St. Martin (nice choice, guys!) and rattled the airwaves for 13.4 million points multi-single!! (I guess the Classic 33 that my dad and I assembled in 1989 worked OK!!)

My own story was that I squeezed in a million-point score despite intense QRM in the captain's cabin from the first officer and the four-month old first mate. I did manage to remain lashed to the helm for 23 hours before my crew mutinied, rushed the door, and stormed the captain's cabin!! Also,

of note is that your captain was at times reduced to the "2 letter" technique of calling in pileups — I don't recall what drove me to this, but this merits further study!

All members should forward their scores to new score-gatherer Kurt Pauer, W1PH, either by postcard or packet, as well as forwarding interesting details of your operation. I will also be accepting nominations for the Captain's Award, to be given for mindless perseverance in the face of overwhelming adversity! Remember, the mailing deadlines for CQWW are December 1 for SSB, and January 15 for CW. They also need paper logs with your diskette. And finally, to answer questions from our newer members, to submit a score for YCCC, simply write the club name on the summary sheet and follow mailing instructions in CQ Magazine. Passing your score on to W1PH will also allow us to account for every score! And remember, **every score counts!!!!** The Club needs every point!! Let's make a concerted effort to once again **toast the Frankfurters!!**

Floating

Paul Young, K1XM

You might notice that this issue of the *Scuttlebutt* is a bit early. That's because your club officers are absconding with the treasury — No, that isn't it — The club Secretary/Treasurer, Newsletter Editor, and VP/Activities Manager are going to Tonga, A35, for the CQ WW CW contest. We will be multi-single, and if conditions are good we will try to break the KC6AA record for Oceania.

I have been assigned A35MX, Charlotte is A35CP, and Rich's call has not arrived yet. We may try to get a special call for the contest.

Before the contest we will also be on SSB and RTTY.

We have a small beam for the higher bands, and we have 2000' of radial wire for a low band antenna. We will be a couple hundred feet from salt water on the North side of Tongatapu Island. Our goal is to have a good signal on 160-10.

Please look for us. We need the QSOs and you need the multiplier. And I have been known to give preference to YCCCs in the pile-ups.

Next Meeting

Paul Young, K1XM

The next meeting of the Yankee Clipper Contest Club will be on Sunday, December 1, at the Sturbridge Host Hotel, beginning at 1 pm.

The program will include K1CE on the Leningrad hamfest

The Host Hotel is located on Route 20 in Sturbridge, Massachusetts, ½ mile West of I-84 (first exit off I-84 when coming South from the Mass. Turnpike).

To get to the Host Hotel, 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 Host Hotel. There is plenty of parking in front of the hotel.

The meeting dates for the rest of 1991 and for 1992 are:

DATE	DAY
December 1, 1991	Sunday
February 2, 1992	Sunday
April 4, 1992	Saturday
June 7, 1992	Sunday
December 5, 1992	Saturday

The October meeting will be at the ARRL New England Division Convention.

The August meeting will be the club picnic.

Secretary's Report Yankee Clipper Contest Club

The October, 1991, YCCC meeting was held at the Sturbridge Host Inn in Sturbridge, Massachusetts, on October 13. 113 members and many guests attended. The meeting began with introductions and CQ WW plans of those in attendance, followed by the treasurer's report, which showed a balance of \$2296.21. Vice President Rich, K2WR, reported that 1992 meetings are planned for both Saturday and Sunday dates. Bill, KC1EO, reported that the current version of CT, version 7.13, is currently available for sale on both 5¼ and 3½ floppies, and that registered users of version 6 or version 7 can log into his BBS and download the new version for free; the BBS phone is (603)465-2161, 9600 baud, no parity, one stop bit. Several members reported that Matt, KC1XX, had a good excuse for missing the meeting — he got married the previous day.

The club welcomed thirteen new members:

Howard Lawrence, WJ1D
Ralph K. Maynard, N1DVT
Fred Fowler, NU1H
Bob Levine, KA1JFP
Dave Potter, K1MBO
Jim Parise, KC1SJ
Scott Robinson, WT1T
Geoff Fox, WA1U
John L. Luigi Giasi, KA1UTU
John Bleviers, K1VDF
Buzz Szarek, WM1W
Bob Elton, NI2B
Richard Cariello, KA2DMQ

Billy, KR1R, presented ARRL plaques for last year. He reported that, out of a total of 23 W/VE plaques, YCCC won

eleven of them in the 1991 ARRL DX Contests. Winners were:

Dennis, K8UR: W/VE 3.5 MHz SSB
Lou, KS1L: W/VE 14 MHz SSB
John, K1AR: W/VE single-op assisted SSB

Fred, K2TR: W/VE multi-two SSB
Richard, K5NA, operating VP2VM:

North America single-op CW

Jack, W1WEF, operating PJ9J: South America single-op CW

Ken, W1NG: W/VE 1.8 MHz CW

John, W1FV: W/VE 3.5 MHz CW

Jeff, K1ZM: W/VE 7 MHz CW

John, W1RR: W/VE 14 MHz CW

John, K1AR: W/VE multi-two CW

Steve, WB2Q: W/VE single-op assisted CW

Curt, W1PH: W/VE low power combined score

Jeff, K1ZM: W/VE 1.8 MHz SSB

Rich, K2WR, reported that Rick, K1CE, will present his talk on the Leningrad hamfest at the December meeting. Then Ken, K1EA, gave an update on the packet system. New point-to-point 450 MHz 9600 baud links join K1EA, NK1K, KB1H, W1RM, KY1H, and K2TR, giving a transmission time of about 4 seconds between K2TR (near Albany, NY) and NK1K (near Maine). Ken reported that the packet network is faster than ever, so packet pileups should be huge. He recommends setting TNC slot time to 3 and persist to 15.

Charlie, K1XX, reported on solicitations for support of the packet cluster. He has collected \$6400 to date, plus various contributions of hardware.

Tom, K1KI, then reported on the W1 QSL BURO. The BURO volunteers were treated to a lunch before the meeting, with about ¾ of the volunteers present. Tom described the BURO operations as being in good shape, with several volunteers handling the primary sorting. However, he still needs a BURO manager.

Dave, KY1H, then presented updated slides of his multi-multi station, followed by his propagation prediction

program (which is available for \$20). He also gave away NOAA weekly solar flux summaries and old W6GO lists. Paul, NX1P, discussed updates to his Logview for Windows program for awards chasing. It is based on Windows 3, and will import CT files. Demo disks (256 QSOs) are free, and the program is available for \$85. Jake, W1FM, donated 3 copies of Ionsound which were raffled off to benefit the club, bringing in \$44.

After the break, Ed, NT2X, spoke on his trip to the USSR to help with preparations for the XY0RR Dxpediton. Ed was in the USSR during the coup, and showed his video of the demonstrations. He also passed along stories of the XY0RR operation.

Respectfully submitted,

Charlotte L. Richardson, KQ1F
Secretary/Treasurer
18 October 1991

Heil Tips

Fred Hopengarten K1VR

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The Heil boom headset, model BM-10, is very popular in the contesting and DXpediton set. After encountering a few minor problems with mine, easily solved by checkbook engineering, I put out word on the world's greatest packet network that I was soliciting comments on the headset. The YCCC PacketCluster™ system responded with the remarks which follow my own experiences. For reasons of space, I've edited the remarks received.

Microphone Clip

If you use the BM-10 headset (which is lightweight, delivers "punch," and is reasonably priced), the time may come when you break the little clip which

holds the microphone to the earphones. It can be replaced easily.

Heil asks \$3.00 for it, plus \$2.00 shipping. Apparently embarrassed about asking \$3.00 for such a small piece of molded plastic, they throw in a pair of new earphone covers free for the same five bucks. As I wear out the covers, and could easily break another clip, I ordered two sets.

Earphone Element

After much use, the right earphone seemed to be crackling at high volumes. It was especially noticeable on CW. Heil sells a replacement earphone element for \$8.00, plus \$2.00 shipping.

Here's a further tip, though. Remove the foam earphone cover. Insert a small screwdriver into a slot and twist. No need to do this violently. The cover will pop off. Now check the solder joints to see if there is a cold solder joint. Resolder to see if that was the problem. Heil says that this sometimes helps. If it isn't a cold solder joint, send them your check for \$10.00.

Heil Meets ICOM

The ICOM 751A, and other ICOM HF transceivers, have 8 volts DC on the audio line to power electret microphones. This doesn't seem to bother some non-electret microphones. However, the voltage does prevent the Heil microphone element from performing as it should. It will seem to be a massive impedance mismatch, or a hum. The microphone element will deliver very weak output.

K1EA suggested to me that the cure is a 1 microfarad capacitor, at 20 volts (or more) DC, in series with the audio lead. Simple. Something you are likely to have around the house. Even I had one in my junk box. A lawyer/MBA by training, I have a very small junk box, as, unlike much of the YCCC, I've never worked for an electronics manufacturer. But see below for the value of the capacitor used by K1XM (.15 µF).

Ordering from Heil

Heil does not accept VISA or MasterCard. Send them a check. In my experience, they have been very prompt. Another way of dealing with these matters is to wait until next year's Dayton HamVenture™. That way you can pay \$300 in airfare to save the \$2.00 shipping charge.

Heil, Ltd.
No. 2 Heil Drive
Marissa, IL 62257
618/295-3000

Heil products are also available at HRO. The New England HRO store can be reached at 800/444-0047. However, HRO does *not* carry the replacement parts mentioned here.

So, three Heil tips. I hope you find them useful. I like my BM-10!

Comments of John, WD1V:

I have owned 2 Heil BM-10 headsets. The first one broke after less than a year at the point where the boom connected to the headset.

The audio level for ICOM radios is too low to be used without a preamp. [K1VR note: Sounds like you need a capacitor in series, John.]

The audio quality is very good and brings fine, unsolicited comments.

Comments of Jim, K1MEM:

My wife, N1CPC uses one and likes it, especially because it is lightweight. All of the YL ops on the trip to TU/6W1 (N1CPC, KA1ESR, and WA1RCA) preferred the BM-10 that K1ST brought.

I could never be weaned from ear covering type headsets. So I use the gooseneck Astatic 10-DA housing with a Heil HC-4 element in it, and my old Yaesu 'phones. I still have the old 1978 Superior Headset/Boom mike that I bought when I got back on the air, but haven't moved it from its hook in years.

I like the button-type phones for music listening; never thought of trying them with the radio!

Comments of Fred, KB2SE:

I don't use the Heil headset. I have the Heil HM-10 cardioid mike. It sets up like professional equipment; uses standard stands, booms, etc. Sound is great (2 elements). For contests, I use the #4 element. It works superb on VOX -- if I back off 6 inches, I can make comments without tripping the VOX.

The cable to the rig is switchable. You can buy one for ICOM, one for Kenwood, etc. I got my HM-10 by mistake as a present from my XYL and wouldn't trade it now.

Comments of Eric, KB1RI:

I have used two different versions of the BM-10 over the past couple of years. The newer version has a coiled cord for the headphones and 1/4" phone jack for a PTT (foot) switch. The mic and headphone cable is also shorter on the newer version.

The mic cable length is somewhat annoying because it always seems to be in the way. It is not long enough to route around the left side of my computer keyboard, where it would not interfere with my right hand reach to my radio, amp, and antenna controls.

When I first received my BM-10, I made comparisons to the stock Kenwood MC60 that came with my TS-440s. All of the on-air commenters preferred the BM-10 sound. The claim was it had a "crisper" sound, less bass response than the MC-60. My close friends claimed my voice sounded more natural. The comments did not change with the built-in Kenwood speech processor on or off.

I find the headset to be very comfortable, although sometimes I would prefer if it fit my head more snugly. I have a friend that wears a baseball cap whenever he uses his BM-

10 so it stays on his head. I found my newer BM-10 to have a better fit than his, probably because mine has been used a little less.

Last year, I broke the plastic boom mic clip on the ear piece of the BM-10. I was simply trying to reposition the mic, and the clip broke. This occurred during the CQ WW contest. We temporarily repaired it with tape. Later, I contacted Heil for a replacement. They sell a \$5 kit that includes the boom clip and two ear phone pads. The service on the phone was very good; the kit arrived in about a week.

Comments of Bob, KA1XN:

The early models (i.e., without the coiled cords) had a propensity toward inner-conductor breakage of the mike cord where it exited the boom "tube." After cutting mine back twice to fix it, I finally solved it by making a small loop at the point of exit and attached the wire to the headset with a tie-wrap.

Comments of Carl, KM1H:

I've been using the BM-10 since 1985, and am very pleased with its electrical performance. With many many thousands of contest QSOs, there have been no failures or RF feedback. The HC-4 element works particularly well with the processor in the DVK-100, giving superior talk power.

Mechanically however, it is a nightmare. The plastic clips for the microphone break very easily and are a ripoff at \$5 each, but I usually keep a few spares on hand. After breaking the cables one too many times, I replaced them with RG-188 miniature teflon coax. The slippery coax does not kink or short when I roll my operating chair over it. I also made up concentric sleeves of RG-58 and RG-59 (RG-6 and RG-8X are the size as RG-59) outer jackets to route the RG-188 into the connector, then I taped them all together... No more pull-outs! The final step in the conversion was to use Radio Shack "Walk man"-type

replacement ear pads. They are contoured and fit the ear better.

Comments of Jim, KS1A:

My BM-10 is much better than the ICOM desk mike, but the ICOM is also an excellent performer. I suggest using the same mike to record into your DVK as you use during a contest. Some people use a different mike for the keyer, and it becomes very confusing working them in a contest. You listen for the same voice for your report that you heard call CQ (the keyer). In a very crowded bandspace, you can mistake the op who does this for another station trying to work you.

I've never had hum.

The connector is stock, but with only the thin single shielded cable going in to that cavernous connector, it can pull out when you jump up (having worked the VY in the SS contest).

I find the boom metal to be very easily "shapeable" so as to move the voice element out a half inch or so, if desired. I find it very effective to use the Heil during pileups by speaking at a normal level. Shout into the Heil, and it loses its effectiveness.

Comments of Lou, K1YR:

The only real problem I've had is RFI, which was cured by wrapping the mike line around big toroid just before it enters the DVK.

I have to order replacement ear pads fairly often. It is a little annoying that Heil won't take credit card orders and you have to send a check.

I usually record on the DVK with the BM-10 because I'm lazy.

It is a horrible headset in a multi-op environment. I want to switch to a Beyer and put the Heil element in it (K1CC has that set up), but my last check with a local supplier had the Beyer at \$225. [K1VR note: I've installed a Heil element in my Beyer headset for use in my multisingle operations. Step-by-step instructions

on how to do it without breaking anything appeared several years ago in the YCCC Scuttlebutt.] Anyway, the BM-10 is a lot more convenient than the D-104 on a boom.

Comments of Glen, K1GW:

My Heil has worked great for several years now. I just wish the cord wouldn't get so tangled. [K1VR note: Sounds like Glen could use a newer version, with coiled cord.]

Comments of Nick KC1ZU:

I find the audio quality great for DXing or breaking through the pile-ups. For local ragchewing, most people prefer more low end in the audio, something like a Kenwood MC-60A.

As far as RF goes, it's incredible. For example, I had an RF problem on 40 meters using my Kenwood MC-60A. The microphone seemed to squeal. When I put on the BM-10, the RF disappeared and everything was crystal clear! Of course the mic is also excellent for contesting with hands free operation. It also has a lot of punch, more than other mics I have used! I rate it #1 by my tests and opinion!

Comments of Mitch, WA1YKN:

I once owned a BM-10 headset. However, I have owned and used SENNHEISER commercial headsets for years. Although the BM-10 is adequate, and comfortable to wear for long periods, I really preferred the Sennheiser Model 420 headphones. So I placed an order with HRO for Heil to provide just the BM-10 microphone. Heil & HRO supplied the microphone and cable, with connectors for my Kenwood and the usual foot switch, for \$49.00.

The BM-10 microphone comes with the "Y"-clip that holds the arm. This "Y"clip mounting bracket has an approximately $\frac{3}{8}$ " dia. hole in it for a shoulder washer. I managed to find a plastic shoulder washer in my collection of odds and ends that, when combined with a flat washer, worked

very well. I drilled and tapped a hole for an 8-32 screw in the left side of the headbow of the Sennheiser headset. The combination of the BM-10 microphone and the Sennheiser 420 headphones are the best of all possible worlds. I do have a small problem with the headset picking up some RF, but it's hardly noticeable after a while ('course it'd be best if it didn't pick RF at all)

Comments of Frank, NG1J

I made on small "modification" to the BM-10: the grommet that supports the mike cable where it exits the mike causes the cable to bend sharply. I added some extra support by winding a ballpoint pen spring onto the cable and grommet -- the cable doesn't bend as sharply, and it adds some extra shock absorption.

Comments of Paul, K1XM:

I use a .15 μ F mylar capacitor with an Icom IC-735. It works, and I can leave it in-line when using the headset with the Kenwood TS-930S.

If a headphone becomes intermittent, it is likely to be a break in the wire inside. This is easy to fix. Open the offending headphone and wiggle the wire at the strain-relief knot. Listening to the headphone will reveal whether or not this is the problem. If the wire is broken cut it below the knot and pull a couple inches through the strain relief. Then tie a new knot, strip the end of the wire, and solder it in place of the old end. Note that the wires should be connected in the same way - reversing the wire will put the left and right sides out of phase.

Comments of Paul, K8PO:

I use the Heil headset with DX element. I get excellent audio reports and "punch."

I do not like the wiring to the plug. It has just several wraps and then it is stuffed into the connector plug, i.e., rinky dink. I do not use the PTT jack

which is now standard. I would buy one again, without hesitation.

Comments of Garry, WD1K:

I use the Heil HM-10 dual element on a boom for normal station operation. After using the ICOM SM-10, and several others, I like the HM-10 better.

I have been using the BM-10 for the last few years during contesting. The only problem that I have had with it is the thin wire to the headphones. Most of the problems are caused by brain dead operators who walk away from the radio while the headset is still on. (It hurts like hell. I know first hand.) If Heil used a heavy duty wire, it would last longer, but not be as comfortable. As a trade off, they need a better way to join all three wires together, other than the mickeymouse little plastic clips they supply. With all three wires connected, it would be stronger -without adding weight. They might also add some strain relief to the wires where they connect to the headphones.

I wish the ear pads were more available. [K1VR note: Sounds like you should order spares in advance of need, or commission a friend to buy some at the next Dayton HamVention.]

If they could add a switch on the microphone connector to switch the capacitor in and out, I wouldn't have to unsolder it when I want to run it on a Kenwood. [K1VR note: K1VR and K1XM leave their capacitors in line at all times. If the capacitor is cutting off any audio, it is at frequencies below the passband of your transmitter's audio system anyway.]

It's nice to bring and use your own headset to a multioperator contest. Using someone else's is kind of like using his toothbrush

SS CW Score Rumors

W1BYH	A	465	77	71,610
N1CC	B	673	77	103,642
W1ECH	A	805	77	123,970
KB1H	B	951	77	146,454
(KD2SX op)				
K1IU	A	910	77	140,140
KZ1M	A	776	76	117,952
K1TR	Q	646	76	98,192
K1VSJ	A	318	67	42,612
W1WEF	B	1,174	77	180,796
K1ZX/4	A	616	76	93,632
WB2DIN	A	363	77	55,902
N2DU	A	703	75	105,450
W2HPF	M	229	72	32,976
N2NU	M	1,069	77	164,626
N2RM	B?	1,251	75	187,650
AA2U	Q	654	77	100,716
W2UP	M	585	77	90,090
K2ZJ	A	974	77	149,996
K3ANS	M	654	77	101,486
NW3B	B	650	75	97,500
WR3G	B?	1,129	77	173,866
K3LR	B	1,356	77	208,824
KE3Q	B?	1,135	77	174,790
K3SA	B	600	77	92,400
AA4DO	A	970	77	149,380
WC4E	A	987	77	151,998
AA4VC	B	1,140	77	175,560
KG4VH	A	742	77	114,268
K4XS	B?	1,209	77	186,186
N5AU	B	1,384	77	213,136
WM5G	B	1,383	76	210,216
KM5H	A	833	76	126,616
K5OJI	M	121	77	157,234
N5RZ	A	1,225	77	188,650
KA5W	B	1,347	77	207,438
(KS3D op)				
K7EG	B?	1,020	77	157,080
K8CC	B	1,185	77	182,490
KW8M	B?	1,118	77	172,172
AG9A	B	1,143	77	176,022
WX9E	A	450	75	67,500
KC9EE	A	700	77	107,800
WB9TYU	Q	477	76	72,504
WX9U	A	890	77	137,060
W9UP	Q	618	76	93,936
N0AT	B	1,229	77	189,266
K0EJ	A	869	76	132,088
K0EU	A	1,096	76	168,592
AA0FY	M	942	77	145,068
K0HB	A	839	77	129,206
K0RF	B	1,339	77	206,206
N0XA	A	871	77	134,134

CQ CW Score Rumors

Kurt Pauer, W1PH

Single Op:

*K1AR	2,765	153	525	5.4M
*KM1H	2,563	151	519	4.6M
(KQ2M op)				
W1MK				243K
W1PH				2.4M
KA1UTU/AA	465	109	296	500K
W1WEF				501K
WS1Y				841K
K2PS	1,076	113	348	1.3M
K2TE				451K
AA2Z				501K
K3ZJ/8	1,289	122	353	1.6
K3ZO	2,245	135	417	3.3M
N4XR				87K
*K4XS	2,453	144		4.4M
WM5G	2,325	155	494	4.15M
AK9L	738	104		712K
P40W	6,800	131	441	11M
V47KP	3,848	108	308	3.6M

Single Op Low Power

KG1D				769K
WM2D				426K

Single Op Assisted:

AK1A	1,437	128	439	2.3M
W1AX				148K
AG1C	957	?	?	1.6M
KS1C	509	87	236	439K
KA1CB				101K
KC1EO				351K
WA1G				244K
WA1IML				597K
K1IU	937	134	476	1.5M
K1KP				1.65M
W1NG				1.14M
KT1O	517	89	252	460K
NR1R	495	105	278	
W1RR				2.4M
N1TZ				722K
KC1XX	1,411	148	532	2.63
AA2DU	1,278	122	409	1.8M
KF2O				531K
W2UB	489	110	277	42.9K
KB2XL				136K
W3IQS				530K
N4RJ	2175	151	519	4.0M
WD8O	505			348K
KC8PE				693K

Single Op Single Band:

KS1J					107K
K1KNQ	10m				159K
NY1L					158K
K1NG					417K
NX1P	15m	953	33	140	430K
AA2M	15m	1,292	38	145	684K
NG8D	15m	810	36	126	343K
KW8N	15m	1,102	37	145	548K
KC9AL	15m	900	35	134	
WA4SVO	40m	175	25	85	55K
K1UO	75m	406	26	80	104K
VE3VN	75m	1,654	21	58	102K

Multi-Single:

W1BK					1.0M
KB1H	1,643	150	528		2.87M
KZ1M	1,525	132	457		2.4M
K1VR	1,544	148	529		2.8M
K1YR	2,408	153	594		4.8M
W2HPF	1,669	152	536		3.11M
N2NU		144	499		2.4M
K3ANS	987	138	418		1.3M
K3DI	547	103	295		588K
*K3LR	2,600	166	602		5.5M
*N3RS	2,147	162	605		4.56M
*K5NA/2	2,000	164	593		4.1M
N5RZ	1,873	142	436		3M
AA6TT/0	2,593	160	432		4.81M
W6YX	1,569	182	702		1.2M
KS9K	1,569	153	525		2.8M
W0CP					2.4M
*C6AFQ	6509	127	410		7.9M
*PJ7A	8730	135	500		13.4M

Multi-Multi:

*KY1H	3,075	162	603		6.3M
WM1K	1,031	116	391		1.4M
*K1ST	5,000	169	636		10.5M
*N2RM	5,568	173	698		13.58M
K2TR	5,283	?	?		8.85M
*W3LPL	5,243	182	702		12.46M
NQ4I	3,089	158	565		5.5M
*N5AU	4,253	166	587		9.7M
K8CC	3382	166	580		5.8M

*Score Breakdowns:

K1AR (at K1EA) S/O:

160	17	6	13
80	135	18	59
40	86	22	60
20	1,027	38	142
15	956	37	135
10	544	32	116
Total	2,765	153	525

KM1H (KQ2M op) S/O:

160	17	8	14
80	157	16	59
40	130	23	65
20	620	39	126
15	1,117	36	138
10	522	29	115
Total	2563	151	519

4.6M

K3LR M/S:

160	18	7	17
80	107	20	64
40	132	30	89
20	1,062	39	154
15	967	37	152
10	314	33	126
Total	2,600	166	602

5.5M

PJ7A M/S:

160	15	4	14
80	233	12	41
40	146	12	48
20	3121	37	126
15	2972	38	148
10	2243	32	123
Total:	8730	135	500

13.4M

KY1H M/M:

160	105	8	13
80	331	21	76
40	276	27	78
20	1,006	38	150
15	1,029	37	149
10	528	31	137
Total	3,275	162	603

6.3M

N3RS M/S:

160	29	10	23
80	89	21	73
40	149	25	81
20	690	39	150
15	863	35	143
10	327	32	135
Total	2,147	162	605

4.56

K1ST M/M:

160	52	11	19
80	360	20	71
40	362	25	83
20	1,896	39	166
15	1,420	39	148
10	909	35	149
Total	5,000	169	636

10.5M

K4XS S/O:

160	13	7	12
80	83	14	46
40	128	19	68
20	927	37	121
15	748	34	121
10	554	33	125
Total	2,453	144	493

4.4M

N2RM M/M:

160	60	10	21
80	549	25	88
40	377	26	93
20	1,522	39	164
15	1,920	39	169
10	1,140	34	163
Total	5,568	173	698

13.58M

N5AU M/M:

160	21	7	13
80	138	18	52
40	233	30	82
20	992	39	144
15	1,790	38	155
10	1,104	34	141
Total	4,253	166	587

9.7M

K2TR M/M

160	103	19	36
80	420	23	76
40	262	28	85
20	1,564	39	171
15	1,205	39	162
10	528	33	143

8.85M

K5NA/2 M/S:

160	26	9	24
80	121	23	65
40	103	25	78
20	662	38	142
15	729	37	144
10	359	32	140
Total	2,000	164	593

4.1M

W3LPL M/M:

160	159	14	29
80	347	24	80
40	494	31	107
20	1,477	39	165
15	1,843	39	164
10	923	35	154
Total	5,243	182	702

12.46M

C6AFQ M/S:

160	213	5	18
80	395	12	34
40	758	18	57
20	1187	33	108
15	1494	29	94
10	2462	30	99
Total:	6509	127	410

7.9M

PJ7A

Paul Young, K1XM

Dan, K1TO will be single-op in the CQ WW CW contest as PJ7A. When you come across him, here's what you should do:

- If Dan is working Europe at three a minute, leave him alone. He needs those three-point QSOs!
- If he isn't running Europe (or Japan) get in there, and give him a call. Dan has the YCCC roster memorized, so you should be able to get him quickly. If you can't get through easily, come back later.
- When you get him, spot him on Packet, unless that is where you found out about him.

Remember, Dan is counting on *you* to help him win North America! Go, YCCC!

In Search of Excellence -
P40W

For the fifth time in the last six years, John, W2GD, will operate CQWW CW from Aruba, attempting to accomplish one of the most difficult and coveted achievements in contesting the CQWW CW World All Band Single-Operator Record. The extra special effort made by US and VE stations (by searching out and contacting P40W on multiple bands, frequently spotting P40W on packet, etc.) could very well be the margin of victory.

Using the call P40GD in 1990, John bettered the CQWW CW Single Op record previously held by FY5YE (OH2MM) by nearly 10% but missed

setting the new standard of achievement by the equivalent of just 85 contacts, finishing a close second to CT3M (OH1JT). John's 10.2 Megapoint final score was, however, the second highest CQWW CW score ever and set a new South American record.

This fall, even greater assistance, particularly from contesters and DXers across the United States and Canada, coupled with some significant station changes, may prove to be the record setting edge. First, John's baud rich P40GD callsign has been reluctantly retired in favor of the much shorter P40W identifier. It's estimated this change might yield as much as 150 additional QSOs over 48 hours. Real-time computer logging using a laptop loaded with K1EA's CT program has already been standard operating practice for 2 years.

An Alpha 87A computer controlled, no tune amplifier on loan from ETO replaces an aging MLA2500 at P40W for several dB more horsepower and instant no-hands bandswitching.

Finally, W2GD will also be staging his first ever CQWW Phone effort from Aruba (that old rumor that John doesn't know "phone" may finally be put to rest). This extra trip provides additional time to prepare his P40W station (TS930S, Alpha 87A, A4S at 50', 402CD at 65', A3 at 35', 80M delta loop and 160M inverted V at 48', 400' Beverage NE) for CW and to observe propagation changes occurring during this stage of the sunspot cycle.

So PLEASE lend a hand and do what you can to help John bring the CQWW CW record back to America! This year's CQWW will likely be the last chance for anyone to break the record until the peak of Cycle 23 in the year 2002.

P.S. QSL P40W via N2MM

New Crew

The Yankee Clipper Contest Club welcomes the following new members:

Howard Lawrence, WJ1D
127 Ash Street
Hopkinton, MA 01748

Ralph Maynard, N1DVT
620 Dixwell Avenue
New Haven, CT 06511
home phone: (203)865-0319

Fred Fowler, NU1H
32 Remisio Road
North Attleboro, MA 02763
home phone: (508)695-4870
work phone: (508)660-3340

Bob Levine, KA1JFP
32 Queens View Road
Marlboro, MA 01752
home phone: (508)485-7006

Dave Potter, K1MBO
47 Newtown Road
Acton, MA 01720
home phone: (508)263-0454
work phone: (617)234-2624

Jim Parise, KC1SJ
618 Wadsworth Street
Middletown, CT 06457
home phone: (203)346-9683
work phone: (203)887-9211

Scott Robinson, WT1T
42 Davis Road
Tyngsboro, MA 01879
home phone: (508)692-4769
work phone: (508)486-6279

Geoff Fox, WA1U
15 Chatterton Woods
Hamden, CT 06518
work phone: (203)787-3042

John L. Luigi Giasi, KA1UTU
50 Woodland Road
Holden, MA 01520-2569
home phone: (508)829-3374

John Bleviers, K1VDF
60 Park Pond Circle
Wallingford, CT 06492
home phone: (203)263-3655
work phone: (203)553-7629

Buzz Szarek, WM1W
9 Brewster Street
North Andover, MA 01845
home phone: (508)683-5446

Bob Elton, NI2B
60 Padanaram Road #18
Danbury, CT 06811
home phone: (203)790-7987

Richard Cariello, KA2DMQ
221 Slater Boulevard
Staten Island, NY 10305
home phone: (718)980-0266

Movers and Shakers

New phone numbers for Mike,
N2MGH:
home: (315)855-4313
work: (315)797-9055 x 162

Did You know...

That YCCC will have at least four multi-multi stations active in the CQ WW CW contest? Listen for K1AR, KY1H, K1ST, and K2TR.

'LPL and 'RM, your days are numbered...

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 the club score in contests.

FAMILY MEMBER 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. 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 usually three weeks before the next meeting.

CLUB JACKETS We are looking for someone to coordinate club jackets. If you can help contact 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.

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, Kurt Pauer, W1PH, PO Box 754, Amherst NH 03031, home phone (603)673-7201.

CLUB ROSTER appears in the summer issue of the *Scuttlebutt* every year. Updates are published when members move or change callsigns. 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.

CT by K1EA is available from Bill McGowan, KC1EO, 33 Truell Rd., Hollis, NH 03049. Send \$40 (US funds) to register and receive the latest version. CT phone: (603)465-2392. CT BBS: (603)465-2161 (1200/2400 N81). Visa/MC accepted.

ARRL LIAISON For ARRL matters, contact Tom Frenaye, K1KI, PO Box 386, West Suffield, CT 06093, home phone (203)668-5444.

Dues are \$15 per year, payable 1 April. 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 \$10 towards 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, usually in the Sturbridge, Massachusetts area. The deadline for article submission to the Scuttlebutt is usually three weeks before the next meeting date. The next meeting will be on Sunday, December 1, 1991. Attendance at an official meeting is required in order to become a member. Club members congregate on 3830 after contests. The packet frequencies for DX spotting are 144.95, 145.69, 144.93, and 144.97 MHz.

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

Officers:

President	Stu Santelmann	KC1F	603-672-2509
VP-Activities Manager	Rich Gelber	K2WR	212-580-1075
Secretary-treasurer	Charlotte Richardson	KQ1F	508-562-5819
Editor	Paul Young	K1XM	508-562-5819

Area Managers:

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	W1GG	Gary Gaudette	413-443-3404	
VT/NH	K1GW	Glen Whitehouse	603-673-6290	603-627-7877
ME	N1AFC	Peter Archibald	207-767-2169	207-797-8931
NLI	NQ2D	Jim Metcalf	516-744-9422	516-467-4800
NNY	K2TR	Fred Lass	518-355-4813	518-346-6666
SNY/NJ	K2EK	Bill Gioia	914-221-1672	914-697-3250

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First Class