

# *The* **KEY**

The Newsletter of the Contoocook Valley Radio Club

<http://www.qsl.net/k1bke>

Volume 17, Number 1

June, 2005

## ***A Word from the President***

### ***John Moore - N1FOJ***

I have a few things to say that I would like all our members to take notice of. First of all congratulations and thanks are due to all club members that participated in the Annual Flea Market. A special vote of thanks goes to Jim - NS1E for chairing this very successful operation ! It is members like this that make possible the other functions that the club performs during the year. The club treasury has benefited greatly from his expertise and we hope that he will be available for next years Flea market. Those of you that did not come missed a great time. While we are on the subject of flea markets , The club table at Hosstraders this year was very ably manned by Don - N1ZIH and Ken - K1MID. They did a great Job of selling and further added to the club treasury. Thanks to you both for your efforts. We need more people like you helping out. That brings me to my next observation. Field Day is Fast approaching and your club needs your help! Please try to make it to the next meeting and volunteer for one of the tasks that need to be done. If you can help with set-up on Friday afternoon or Saturday, operating during Field Day, or tear down on Sunday afternoon, I know that it would certainly be appreciated! Please see the article in this issue of the Key for further Information on helping out our Field Day effort this year. Until the next time , Remember to get on your radio and have fun ! Best Regards,

73, John - N1FOJ

## ***CVRC Field Day***

### ***John Moore - N1FOJ***

This years ARRL Field Day will be held during the weekend of June 25 & 26th and the CVRC is Gearing Up to participate ! We will again be setting up June 24th - Friday afternoon at the site in Henniker by Long Pond. This Annual Emergency Exercise will give all that participate a chance to practice their operating under conditions not normally encountered. At our May meeting , The band captains were chosen and the field Layout was discussed. Band Captains for this year are N1JHJ - Steve on 6 meters , AC1J - Tom on 10 meters, AF1T - Dale on 15 meters , NS1O - Al on 20 meters , K1BX - Art on 40 meters , and AA1YN - Lee on 80 meters and the GOTA Station. For Those who don't know, the GOTA Station is for Novices, Technicians or generally inactive hams to operate. (If you haven't been Getting On The Air , here's your chance ! ) If you would like to operate any of these stations , get in touch with the Band Captain and let him know. W1MKY - Micky is in charge of food with help from N1PHV - Larry on Sunday afternoon. The menu this year will include Saturday Lunch and Dinner and Sunday Breakfast and Lunch . Meals will be \$5.00 each again this year (4 day total - \$20.00) and we are requesting you sign up and pay at the June meeting. Attendees will have the option of having a Lobster and Clam Bake for Sunday Lunch at 2PM. This will cost an extra \$7.00 each over the regular \$5.00 cost for this meal (\$12.00 Total). If you want the Lobster Dinner, Please sign up and pay before or at the June meeting, so that Larry can plan how many he needs to buy ! We will be discussing this event further at the next regular meeting on June 14th. Please plan to attend ! We are actively seeking volunteers for the various

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duties to be performed including set-up, operation, and tear down. We need your help to make Field Day a success! If you cannot make the meeting and would like to participate or just lend equipment, contact Field Day Chair - John Moore - N1FOJ at 603-746-4817 or any of the Band Captains. I hope to see you all at the next meeting and at Field Day!

73 , John - N1FOJ.

## ***CVRC Hamfest***

### ***Jim McElroy - NS1E***

The 2005 CVRC Hamfest was a success although attendance was down from last year. Folks continue to enjoy the vendors, prizes, food, and schmoozing. The VE session run by Al Bardwell, NS1O, was a success with seven new hams out of the ten folks who tried. Our financial success was due in part to the efforts of John Moore, KB1CSI, who sold tickets for the drawings, and Scott Clay, N1ZGO, who actively pursued dues payments.

I want to acknowledge the efforts of all the volunteers and organizations contributing to the Hamfest. Ham Radio Outlet gave us a good price on the first prize radio, and WorldRadio Publishing gave us a number of free subscriptions for door prizes. Dave Benson, K1SWL, of Small Wonder Labs contributed a RockMite 30 QRP kit for the prize drawing. The ARRL supported our efforts with advertising and books for door prizes.

The HT was won by Ann Santos, WA1S, of Milford. Lee Scott, AA1YN, won the RockMite 30. Rob Farley, K1CFI, won the \$50 gift certificate, and John Moore, N1FOJ, won the \$25 gift certificate.

Individuals supporting our efforts included John Moore, N1FOJ, who contributed four ARRL books for door prizes, as well serving as Master of Ceremonies. Ken Wilkens, K1MID, placed the signs and handled setup and teardown. Don Curtis, N1ZIH, handled call-in for CARES. Dave Parente, N1LYC, provided the PA system again this year. Lee Scott, AA1YN, arranged for the

speakers. Louise French, K1LAS, and Mickey Bergh, W1MKY, handled the food sales, assisted ably by the Grill Sergeant, Dave Conners, K1KTP. Lindsay Collins, K1JY, supported both food and ticket sales when Louise and Scott needed backup. Mickey and Dale Clement, AF1T, supported AI at the VE session. We couldn't have done any of this without the help of Jock Irvine, N1JI, who works at the Henniker Community School. Louise and Mickey contributed baked goods along with Jim McElroy, NS1E, and Terry Stamps of Henniker.

My apologies for not recognizing all the others who contributed, but your efforts are appreciated. We are grateful for the help of those of you who can contribute only to events like this. All of you might not have heard, but Greg, KI1P, was not just selling, but he was observing how we do a hamfest. His club asked ours to share with them the secrets of running a successful event. He saw how; active participation by you folks!

## ***The Christmas DX***

### ***John Moore - N1FOJ***

Those of you that know me well know that I am really into chasing DX .. I have worked stations in many countrys , but had never worked the Andaman Islands - VU4 . These islands are very rarely on the air due to restrictions placed on Amateur Operation by the Government of India. You can imagine my pleasure when , in mid 2004, I heard that there would be a DXpedition to the islands ! For months I followed the progress of the DXpedition very closely, via the internet, keeping track of all the developments and plotting my strategy for working this Most Rare DX ! Finally they came on the air in early December . I spent hours listening and not hearing them. Almost every day I would check out the Packet Cluster and There they would be, working Europe , the West Coast, Australia , in fact everywhere but the north-east ! It really got discouraging and I was about to give up trying . I stopped spending so much time listening and resigned myself to the fact that I might not work this one. Anyway time passed and

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all of a sudden it was Christmas Day. I woke up early ( as I always do ) and , having no children at home and some time to kill until Sara woke up , I decided to get on the 20 meter band and work into Europe. I went down into my cellar and turned up the radio and started tuning around. All of a sudden I came across a large Pile-Up! "What's This ? " I asked myself. Listening closely and trying to separate out the DX station , I suddenly realised that this was the VU4RBI - Andaman Island DXpedition and I could HEAR Them 5x5. Needless to say , I jumped into the Pile-Up with every watt of output I could wring out of my set-up. A few calls later and I had worked them ! I called AF1T - Dale and told him about them and also John - WB1ASC, hoping that they would also be able to . Alas, no luck for either of them. It took some time to sink in , but I soon realised that I had just received a truly Great Present on my Christmas Day ! Good Luck and Good DX to All! 73 , John - N1FOJ.

## **SOMETHING TO LISTEN FOR ON YOUR NEXT LONG DRIVE**

**BY KEN WILKENS K1MID**

PLEASE NOTE THAT THE FOLLOWING ARTICLE WAS TYPED BY A PERSON WITH NO SKILLS ON THE KEYBOARD AND A POOR COMMAND OF THE ENGLISH LANGUAGE. IT IS PRINTED IN ALL UPPER CASE BECAUSE I FIND IT TOO MUCH WORK TO CHANGE BACK AND FORTH BETWEEN THE TWO MODES ! BESIDES IT'S A LOT EASIER TO READ BIG LETTERS.

—— DON'T BLAME THE EDITOR THIS SHODDY WORK ——

LAST FALL I WAS DRIVING ALONG ON INTERSTATE 81 ON MY WAY TO FLORIDA MINDING MY BUISNESS AND LISTINING TO THE RADIO. TRAFFIC WAS LITE AND I WAS GOING THE SPEED LIMIT (AS I ALWAYS DO). I'M IN THE RIGHT LANE AND SLOWLY APPROACHING A FULL SIZE VAN WITH A ROOF RACK FULL OF JUNK THAT WAS COVERED WITH A TARP AND SOME POLYETHELYNE.

THE TARP WAS TIED DOWN WITH ROPE AS BEST THAT THE GUY COULD DO, BUT THE ENDS OF THE POLYETHELYNE WERE RAPIDLY FLAPPING IN THE 65 M.P.H. BREEZE. AS I GOT CLOSER TO THE REAR OF THE VAN I COULD EASILY HEAR THE NOISE FROM THE VIBRATING PLASTIC. SOUNDED LIKE ABOUT 100 HERTZ AND GOT LOUDER AS I GOT CLOSER.

NOT WANTING TO GET CLOBBERED WITH SOME OF THIS GUYS TRASH IF IT SHOULD COME LOOSE, I DECIDED TO PASS HIM. I PULLED BACK INTO THE RIGHT LANE AND CONTINUED ON A LITTLE AHEAD OF THE VAN BUT STILL WITHIN EAR SHOT OF THE RAPIDLY FLAPPING PLASTIC ON HIS ROOF. AS THE SONG ON THE RADIO CHANGED I THOUGHT THAT THE FLAPPING PLASTICS FREQUENCY OF VIBRATION HAD CHANGED !

THE NEW FREQUENCY SEEMED LOWER THAN THE SOUND I HAD HEARD WHILE FOLLOWING VAN. I THOUGHT I MIGHT JUST BE HEARING THINGS THAT WERE NOT REAL SO I JUST HAD TO TURN OF THE CRUISE CONTROL AND LET MY SPEED DROP DOWN BELOW THE 65 M.P.H. TRAVEL RATE IN THE RIGHT HAND LANE. AFTER A LITTLE WHILE THE GUY IN THE VAN COULDN'T TOLERATE THE SLOWER PACE AND HAD TO PASS ME (JUST AS I PLANNED).

AS HE WENT BY ME IN THE PASSING LANE, THE TONE OF THE VIBRATING PLASTIC INCREASED IN PITCH. IT CONTINUED AT THE HIGHER PITCH AS I LET HIM GET BACK IN THE LANE IN FRONT OF ME. AS HE GOT FURTHER AWAY, THE INTENSITY OF THE NOISE OF COURSE DECREASED.

I THOUGHT THIS WAS "NEAT".

I REVIEWED THE DOPPLER EFFECT IN MY MIND AND TRIED TO RECALL EVERYTHING I HAD LEARNED ABOUT IT OVER THE PAST 63 YEARS. EVERY THING I REMEMBERED USUALLY INVOLVED A STATIONARY RECEIVER AND A MOVING SOURCE OF AUDIO OR R.F. ENERGY. ALTERNATLY IT INVOLVED THE SOURCE AND THE RECEIVER BOTH MOVING TOWARD EACH OTHER OR AWAY FROM EACH OTHER. THIS IS THE FIRST

TIME I HAVE HEARD (NO PUN INTENDED) OF THE EFFECT WHEN THERE IS NO RELATIVE MOTION BETWEEN THE SOURCE AND THE RECEIVER SUCH THAT BOTH ENDS OF THE LINK ARE AT A FIXED DISTANCE FROM ONE ANOTHER BUT ARE BOTH MOVING THROUGH THE MEDIUM OF TRANSMISSION !

THIS WAS SO INTERESTING THAT I JUST HAD TO PASS THE GUY IN THE VAN A FEW MORE TIMES BUT WHILE EXPEDITING MY RETURN TO BEHIND HIM BY MOVING OUT INTO THE PASSING LANE AND THEN SLOWING DOWN WHILE OUT THERE TO LET HIM PASS ME ON MY RIGHT.

PROBABLY HE THOUGHT I WAS NUTS BUT I GUESS IT SERVES HIM RIGHT TO BE TRAVELING AROUND WITH SO MUCH CRAP ON HIS ROOF.

SO LETS HEAR FROM ANYONE READING THIS. HAVE YOU EVER NOTICED THIS PHENOMENON IN YOUR TRAVELS ? HAVE YOU EVER READ ABOUT ANYTHING THAT USES THE DOPPLER EFFECT IN THIS MODE ? DOES ANYONE THINK THIS IS JUST AN ARTICLE THAT SHOULD HAVE APPEARED IN THE APRIL ISSUE OF "THE KEY" HAD WE PUBLISHED ONE.

## A friendly reminder

Dues are due for the 2005 calendar year. Please renew your membership by sending a check in the amount of \$20.00 payable to the Contoocook Valley Radio Club and mail either to the club or Scott - N1ZGO.

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CVRC meetings are held on the second Tuesday of the month at the Hopkinton Town Library in Contoocook, NH. Members and nonmembers alike are welcomed. Talk-in is on the K1BKE 146.895 600 kHz (100 Hz PL) repeater.

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Missed the meeting? Want to know what was discussed in your absence? The club is trying to maintain a good collection of the meeting minutes online. Goto [www.qsl.net/k1bke/minutes.html](http://www.qsl.net/k1bke/minutes.html) and see what you missed. We try to get the minutes online within two weeks of the last meeting.

## Programs

By Dale Clement, AF1T

June 14th Club meeting - Final preparations for Field Day

June 24th -26th club Field Day event

June 28th - Business meeting and FD wrap-up

July 12 - FD Logs due - HF Antenna discussion

July - Family Picnic at AA1YN's - either the 10th or 23rd subject to decision at June 14 meeting

August 9th- Tour the Marconi Museum. Makeup for the April tour.

Your input is NEEDED!

## POORLY SHIELDED LOCAL OSCILLATORS CAN BE COSTLY

BY KEN WILKENS K1MID

PLEASE READ THE PREFACE OF ANOTHER ARTICLE WRITTEN BY ME IN THIS ISSUE OF "THE KEY" AND DON'T BLAME THE EDITOR FOR THE SAME SHODDY WORK IN THIS ITEM.

WHILE CRUISING ALONG IN VIRGINIA ON ANOTHER TRIP TO FLORIDA, I'M ONCE AGAIN MINDING MY BUSINESS BUT THIS TIME WITH THE CRUISE CONTROL SET ON 70 M.P.H. , WHICH IS THE POSTED LIMIT IN THE STANTON AREA OF THE ROAD.

THE WEATER IS SUNNY AND THE ROAD IS SMOOTH AND THERE ARE FEW TRACTOR TRAILERS IN THE WAY. I'VE GOT THE A.P.R.S. TRANSMITTER TIED INTO THE G.P.S. AND IT'S PUTTING 50 WATTS ONTO 144.39 MHZ ONCE EVERY MINUTE. JUST IN CASE I GO OVER THE SIDE OF A BRIDGE AND CRASH SUBMERGED IN A ROAD SIDE SWAMP HOPEFULLY SOME ONE WILL FIND MY REMAINS IN THE GRAND MARQUIS BY LOOKING UP THE LAST LOCATION OF K1MID-2 ON [WWW.FINDU.COM](http://WWW.FINDU.COM).

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BUT I DIGRESS.

EVENTUALLY I COME UP ON THE BACK OF A SLOWER MOVING TRUCK SO I DRIFT OVER TO THE PASSING LANE WITH THE CRUISE STILL IN CONTROL AT EXACTLY 70 M.P.H. AS I SLOWLY GO PAST THE TRUCK I CAN'T HELP BUT NOTICE ONE OF THOSE SLEAZE BAG SOUTHERN STATE COPS PARKED IN THE MEDIAN STRIP AND FACING MY WAY.

MY SPEEDOMETER READS 70 SO I KEEP DRIFTING BY THE TRUCK AND EVENTUALLY PULL BACK INTO THE TRAVEL LANE. A COUPLE OF MINUTES LATER GUESS WHO I SEE IN THE REAR VIEW MIRROR WITH THE COLORFULL LIGHTS FLASHING?

SO I PULL OVER AND WAIT THE ARRIVAL THE COP WHO OF COURSE WANTS TO SEE THE LICENSE AND THE REGISTRATION.

HE ASKS IF I KNOW WHY HE PULLED ME OVER AND OF COURSE I SAID I DON'T HAVE THE THE SLIGHTEST IDEA. HE SAYS I WASN'T SPEEDING BUT I DO HAVE A RADAR DETECTOR ON THE DASH BOARD. THE COP ASKS IF I KNOW THAT SUCH DEVICES ARE ILLEGAL IN VIRGINIA AND I LIE TO HIM AND SAY THAT I DID NOT REALIZE THEY WERE ILLEGAL IN HIS FINE STATE.

SO THE COP ASKS TO BORROW IT SO HE CAN WRITE DOWN THE MAKE, MODEL AND SERIAL NUMBER FOR MY TICKET. HE SAYS HE'LL GIVE IT BACK AND THE FINE WILL BE \$15 OR \$20. SO HE WRITES THE SUMMONS AND SAYS I SHOULD PUT IT AWAY IN THE GLOVE COMPARTMENT UNTILL I LEAVE VIRGINIA.

HE SAYS TELEPHONE THE NUMBER ON THE TICKET AND THEY WILL TELL YOU WHERE TO SEND THE MONEY AND EXACTLY HOW MUCH. IT TURNS OUT TO BE \$96. THAT'S ENOUGH TO BUY DONUTS FOR THE ENTIRE STANTON VIRGINIA TROOP !

I HOPE AT LEAST ONE OF THEM CHOKES ON A JELLY STICK.

SO HOW DO THE COPS KNOW I HAD AN

## ILLEGAL RADIO

RECEIVER IN MY CAR ? THEY SIT AROUND IN THEIR CROWN VICS EATING DONUTS AND LISTENING FOR THE LOCAL OSCILLATOR R.F. LEAKAGE FROM THE FIRST CONVERTER IN THE RADAR DETECTOR. THE LEAKAGE VARIES IN INTENSITY DEPENDING ON THE "QUALITY" OF RADAR RECEIVER YOU HAVE. THE COP DOES NOT TRANSMIT WHILE HE IS LISTENING. MY DETECTOR DID NOT ALERT AS I WENT BY HIM.

THE UNIT I HAD IN THE CAR THAT DAY WAS A PRETTY CHEAP DEVICE, LESS THAN \$40. I ALSO HAD THE THING POINTING AT ABOUT A 25 DEGREE ANGLE TO THE LEFT OF STRAIGHT AHEAD. THE SLEAZE BAG WAS SITTING IN THE MEDIAN STRIP THAT WAS TO THE LEFT OF MY CAR. I WAS ALSO IN THE PASSING LANE WHICH IS AS CLOSE AS YOU CAN GET TO HIM SITTING THERE.

IF YOU HAVE A RADAR DETECTOR IN YOUR CAR YOU MAY HAVE NOTICED VERY OCCASIONAL FALSE ALARMS WHILE TRAVELING ON TWO WAY ROADS AND APPROACHING CERTAIN VEHICLES COMING AT YOU. THERE ARE NO COPS AROUND AND NO OTHER POSSIBLE SOURCES OF 10GHZ OR 24 GHZ RADIATION FROM GROCERY STORE DOOR OPENERS OR HOME BURGLAR ALARMS. THESE FALSE ALERTS ARE CAUSED BY YOUR DETECTOR PICKING UP THE OSCILLATOR LEAKAGE OUT OF A DETECTOR IN THE PASSING CAR.

I OCCASIONALLY PICK UP THESE FALSE ALERTS EVEN ON I89

BETWEEN HOPKINTON AND CONCORD WITH ITS VERY LARGE SEPARATION BETWEEN NORTH AND SOUTHBOUND LANES.

IN CONCLUSION I NEED TO DO SOME SHIELDING OR OTHER EFFECTIVE COUNTER MEASURES BEFORE MY NEXT TRIP SOUTH. DOES ANYBODY HAVE A FREQUENCY COUNTER OR SPECTRUM ANALYZER THAT COVERS THE 5 TO 24 GHZ RANGE. IT DOESN'T HAVE TO BE VERY ACCURATE , I JUST HAVE TO BALLPARK THE L.O. FREQUENCY. I'LL BRING THE DETECTOR TO YOUR PLACE.

# Hosstraders Hamfest

## Don Curtis - N1ZIH

The semi-annual Hosstraders hamfest was held on Friday and Saturday May 6<sup>th</sup> and 7<sup>th</sup> 2005. Ever since moving to the Hopkinton state fairgrounds 5 years ago, the CVRC has taken a more active role in the festivities by setting up a club table for the dual purpose of providing information about the club and allowing members to sell their equipment. This year was no exception. Thanks to Ken Wilkins K1MID, Skip Doughty, N1PHZ Micki Bergh K1MKY and Dale Clement AF1T for assisting me with set up and tear down of the club tent. Also thanks to Al Bardwell NS1O and Lee Scott AA1YN for helping out as well. Several Ten-Tec kits and a short wave receiver belonging to the club were sold as well. We also wish to thank the Warner American Legion for the use of tables and chairs.

Hosstraders is one of the premier events in New England drawing hams from all over New England, New York and Canada. They have raised over 2,000,000 dollars for the Shriners Burn Centers. Congratulations to them and we wish them continued success.

We also want to thank everyone who assisted CAARES with the talk-in duties and on behalf of Jerry Blanchard K1BBQ we wish to thank our members Al Bardwell NS1O and John Moore KB1CSI for manning the MARS table.

An article on Hosstraders wouldn't be complete without mentioning the weather which was true to form for the weekend. Friday was the better of the two days and attendance was good on that day and fair the next, but as usual a good time was had by all. One final note, we wish to express our condolences to Jack Sheehy, W1JS for not being present for the grand prize drawing on Saturday and losing out on the grand prize.

Looking forward to seeing every one at the fall event which will take place on October 6<sup>th</sup> and 7<sup>th</sup>, 2005.



## A gathering of friends

### Al Marin - K1CYJ

Dale and Mickey recently visited Al and Marylyn in Florida. Al set us a couple of photos for inclusion in the Key.

## Treasurers Report

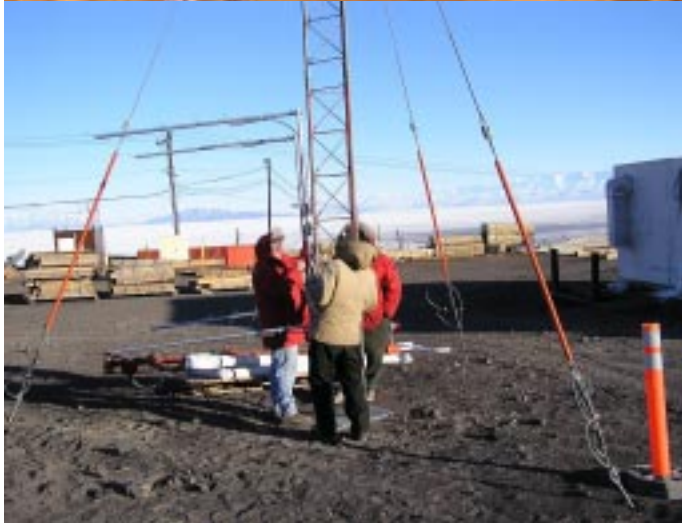
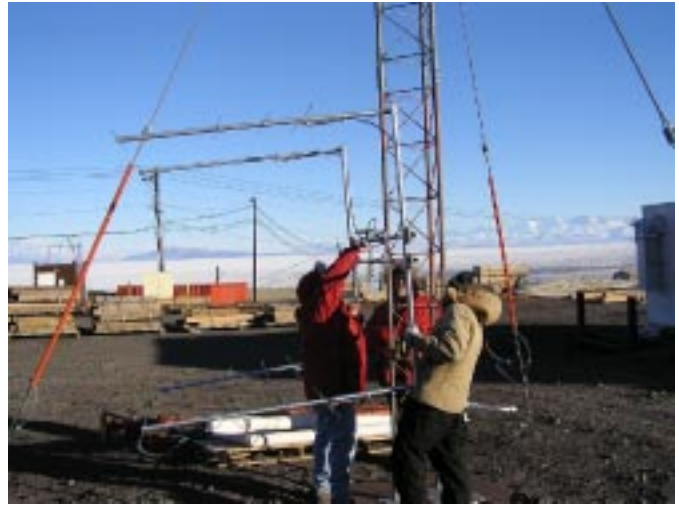
### Scott Clay - N1ZGO

Bank Statement April 5 Balance:	444.44
Flea Market deposit:	1308.56
Excess food advance:	40.00
Dues:	10.00
Club sales from Hosstraders:	93.00
Petty cash on hand:	87.49
Mailing expenses:	(45.79)

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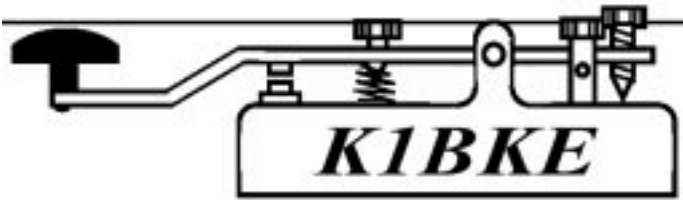
Total club funds: 1937.70

Note: This does not include deposits for field day meals.



## EME from Antartica *Ernie Grey - W1MRQ*

Ernie Grey sent some photos of his EME setup so I (your editor) thought I'd share them with the club. You will notice in the top left photo the prop he is using for support while assembling the array. I bet it was put to good use after :-)



**The KEY** is published four times per year and is distributed free to members, friends, and Amateur Radio organizations in New Hampshire. **The KEY** may be copied or duplicated, in whole or in part, provided that credit is given.

**CVRC CLUB CALL: K1BKE**

CVRC operates:

K1BKE/Rptr 146.295/146.895

K1BKE:CENTNH 145.57 Packet Node

**CVRC OFFICERS**

President	N1FOJ, John Moore	746-4817
Vice President	AF1T, Dale Clement	428-3840
Treasurer	N1ZGO, Scott Clay	
Secretary	Don Curtis, N1ZIH	927-6012
Trustee of club call	W1JS, Jack Sheehy	529-5635
K1BKE Repeater trustee		
Packet node trustee	K1JY, Lindsay Collins	495-3983

**ACTIVITIES & COMMITTEES**

Flea Market	JimMcElroy, NS1E	428-7436
Programs	Dale Clement, AF1T	428-3840
V.E. Sessions	Al Bardwell, NS1O	228-1407
License Classes	Need Volunteer	
Field Day	Jerry Blanchard, K1BBQ	227-0541
Outgoing QSLs	John Moore, N1FOJ	746-4817
Historian	Louise French, K1LAS	428-7253
Membership	Scott Clay, N1ZGO	746-4543

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