

# Zero Beat



Hampden County Radio Association

September 2011

## Silent Auctions to benefit HCRA

Thanks to a generous donation from the estate of Al Drake, N1CQT we will be offering to our members a chance to obtain some fine equipment at a “silent auction” held during the September and October club meetings.

Some of you may remember Al. He was for many years an active part of our club meetings and Field Day. Starting out as KA1GPX back in the 70’s Al was always on the air on some band or mode. He operated from home and mobile on HF and VHF. He was never far from his favorite hobby and wanted his equipment to benefit HCRA and its members. Sadly Al left us a few years ago after a brief bout with the big “C”. His widow contacted us a short while ago and asked if we could pick up his equipment.

Usually we take these type of donations for the annual November Auction. This time we thought, especially since Al specifically wanted his equipment to go to the club, to make some of them available to our members, and only our members, at a silent auction. This way you get an opportunity to bid on items you want for your shack without fighting it out with a hundred other buyers. The equipment is in VG condition, much of it has been tested and can be taken home and put on the air with little or no effort.

Because this month’s Zero Beat is pretty short notice we will put some of the items on sale this month and the balance (the really good stuff!) will be brought to the October meeting. Any items not selling will be put on sale at the November Auction. Not all the equipment is going to the silent auction, some was put into HCRA Field Day stock, some donated to Crew DX for use at the Moses Scout reservation, some will go to eBay and the least desirable will go to the auction.

When you come to the meeting there will be a display of equipment with a bid sheet in front of each item. Simply put down your name/call on the list and your bid. That’s all there is to it! You can go back as often as you want if you want to win the bid. At the end of the night the high bidder pays the treasurer and takes their item home. Simple enough? There will be a minimum bid for some of the equipment but it won’t be revealed until after the auction, and then only if the minimum hasn’t been met. Remember every dollar of your purchase goes directly to the HCRA treasury to fund our yearly events. Following is a list of items for sale at the September meeting. We will publish October’s list in next month’s Zero Beat. There’s going to be some great stuff at both meetings, you’ll want to be sure to check next month’s list too. Oh, just one more thing – in order to bid you MUST be a current HCRA member because as we said at the beginning – this opportunity is for ‘members only’!

### September ‘Silent Auction’ Items

Make	Model	Description	Notes
Kenwood	PC-1	Phone Patch Controller	With manual.
Vibroplex	Deluxe	Chrome Iambic Paddle	No box or papers – sells new for \$199.00
Radio Shack	PRO-2052	Scanner, 1000 channel, dual trunking	No box or papers - manual available on the web. Works fine with power supply and antenna.
Radio Shack	21-1594	CB Transceiver - 40 ch AM	Works, includes WX bands - manual available on the web.
Radio Shack	22-504	12V/3A Power Supply	Works, manual available on the web.
Hallicrafters	S38	Receiver	Works FB - in nice shape - manual available on the web.
Kenwood	TM-241A	2 meter FM Mobile Transceiver	Box and manual, works fine. High power is a bit low (35W instead of 50W).

# Local happenings

(All times are local time)

## Sundays:

0845: Western Mass Emergency Net 146.94, PL 127.3 - W1TOM/R

## Mondays:

1930: HCRA 10m Net 28.375

## Tuesdays:

1930-2000: 146.94, PL 127.3 - W1TOM/R - Hampshire County Emergency Net

## Wednesdays:

1930: MTARA Info net 146.94, PL 127.3 - W1TOM/R - includes NTS Net  
2000: MTARA Swap net: 146.94, PL 127.3 - W1TOM/R  
2000: MTARA Simplex Net - starts on 146.94 - PL 127.3, then goes to 146.42 direct (simplex) Usually starts immediately following the swap net.

## Thursdays:

2100: Weather Net (Roger, K1PAI Net Control)  
1st Thursday of every month: 147.090 MHz  
All other Thursdays: 147.000, PL 127.3 - W1TOM/R

## Fridays:

1200: BB's (Brown Baggers Luncheon)  
Common Ground Restaurant  
25 Park Avenue  
West Springfield, MA 01089

<http://thecupinc.com/home.html> for more details and directions. Expect between 6 and 12 every Friday. Good food, great company!



Dust off that old key  
or paddle and get  
on the air!

## Club Meetings & VE Sessions

1st Friday of the month 1930 HCRA Club Meeting Feeding Hills Congregational Church 21 N. Westfield St., Feeding Hills (no meetings held in July or August)

3rd Friday of the month 1930 MTARA Club meeting Red Cross building 506 Cottage St, SPFLD, MA (no meetings held in July or August)

4th Friday of the month 1800 License Exams Holyoke Hospital Auditorium Beech Street, Holyoke, MA. Hosted by the Western Mass VE Team (WMVET)

4th Sunday of the month 1900 NOBARC club meeting Pittsfield MA (146.91 for talk-in)

## New England Flea Markets

10 Sept Ballston Spa NY SCRACES @FG @7

10 Sept Windsor CT VR+C Mus 115 Pierson LN

10 Sept Windsor ME AARA @FG

11 Sept Newtown CT CARA @TownHall @8:30  
sell@7

17 Sept Alexander ME StCVARC @EISch

17 Sept Forestdale RI RIAFMRS @VFW \$5/Sp@8

17 Sept Alton NH @Masonic Lodge \$10/TG \$20/  
Inside

18 Sept Cambridge MA FLEA at MIT

25 Sept Hicksville NY LIMARC @LevitHall\$20@7  
\$6@9

2 Oct Queens NY HoSARC \$5@9 \$10/sp@7:30

9 Oct Wallingford CT Nutmeg Conv \$20/sp \$7@8

14,15 Oct Deerfield NH Nearfest X @FG

## HCRA Contact List

President, Jim Mullen KK1W (413) 245-3228  
kk1w@arrr.net

Vice-President, John Pise KX1X (413) 532-7474  
kx1x@arrr.net

Treasurer, Dave Cain AA1YW (413) 569-6901  
aa1yw@arrr.net

Secretary, Marty Bowen W1MJB (413) 525-3717  
w1mjb@arrr.net

Newsletter, Frandy Johnson N1FJ (413) 584-9005  
n1fj@arrr.net

Programs, Jim Machia NN1Y (413) 535-1703  
machiaj@lmsn.com

Membership, Matt Wilhelm W1MSW (413) 336-4701  
w1msw@arrr.net

Technical, Ed LaCombe KB1NWH (413) 250-3137  
kb1nwh@comcast.net

At Large, Rich Wheeler N1KXR (413) 584-3372  
n1kxr@arrr.net

ARES Coordinator, Robert Macedo KD1CY (508) 354-3142,  
(508) 994-1875 - After 6 PM, (508)997-4503 - After 6 PM,  
(800)445-2588 Ext:72929  
rmacedo@ma.ultranet.com

Skywarn Liaison, Eric Tuller N1QKO (413) 967-3869  
et-n1qko@juno.com

# FROM THE SHACK

## September Meeting stars YOU – the HCRA membership!

We're doing something different this September that shifts the focus to our members and their accomplishments.

I don't know if you've noticed but there's a lot of "conversation" going on during our meetings, even more when we return from an extended break. Rather than try and squeeze all that great chatter into the few minutes at the end of the meeting why not base the whole meeting on a fun get together? Why not – let's try it! Nothing ventured, nothing gained, right?

Did you do something interesting with our hobby over the summer break? Here's an opportunity to tell everyone at the meeting about it. Two folks are already on board. Matt/W1MSW will be relating his experiences at his 2<sup>nd</sup> Field Day and Frandy/N1FJ has a short SOTA update. There was a lot of interest about SOTA earlier this year – have you given it a try yet?

A special, members only, silent auction will be held at this and the October meeting. We recently received a wonderful donation from the widow of Al Drake/N1CQT and a portion of this equipment will be offered to club members as a "silent auction" at the next two meetings. See all the details in a separate article in this month's Zero Beat. This auction is another reason to renew your HCRA membership early this year.

Come early, stay late and spend the evening talking about ham radio. Without a doubt we gain more fun when we hear what others have done. See you Friday night!

## Renewal Time is here!

Yup, it's time to start a new year at HCRA and renew your membership in the area's coolest radio club. Enclosed in this month's *Zero Beat* is a handy application form you can print out and bring to the September meeting. To make it even easier, if you're renewing and your address, email and preferences haven't changed just fill out your name & call at the top and write "no change" in the address area. Please be sure we have your correct email so you won't miss a single copy of *Zero Beat*!

Once again this year everyone that is a regular member by the end of the October meeting will automatically be entered in a 'Sign Up' raffle which will be drawn at the

end of the meeting.

The prize this year is a Yaesu FT-2900 2 meter transceiver worth over \$100. Get your renewal in before October 8<sup>th</sup> so you don't miss your chance to win.



## Mark your calendar now for HCRA's Holiday Party!

HCRA's Holiday Party will be held at the Steaming Tender again this year. Circle the date of December 5<sup>th</sup> on your calendar for a visit to the beautiful restored railroad station in the center of Palmer, MA. The meal will be buffet style and the restaurant is completely ours. Details will be coming soon and tickets will be available by the October meeting. Never been there? Take a look at <http://www.steamingtender.com/> and see what you'll be enjoying in December. Marty/W1MJB is organizing the dinner this year. If you would like to give him a hand with advertising, ticket selling or maybe make some suggestions you can contact him at: [w1mjb@arrl.net](mailto:w1mjb@arrl.net). Don't miss a great gathering with scrumptious food in a gorgeous setting!

## Loose Ends:

Here are a few things going on in your club since our last meeting. Some may come as a surprise,

none are cast in stone but most reflect changes in how our members interact with the club and its activities.

Crew DX is unable to continue staffing and running the coffee & donut table at meetings. Unfortunately unless another member or two steps up to maintain the tradition we are discontinuing the service. If you would like to volunteer you can make your wishes known at September's meeting. Certainly for September if you're in need of a caffeine fix you may want to stop at the Dunkin' Donuts across the street on the way in.

We are also looking for a volunteer to run the monthly raffles as the Crew had taken over that task too. If you would like to spend a few minutes every meeting selling tickets and chatting with your friends please see me at the September meeting. The auctions have been a good source of fun and revenue in the past – hopefully someone will step forward and carry on the tradition.

*(Continued on page 4)*

*(From the Shack, continued)*

Dave/KB1MU is no longer the 'official' historian for HCRA. If you have HCRA documents or memorabilia you want to give to the club please forward them to the club secretary.

There's been no change (so far) in our fixed costs so our dues will remain at \$15/year – a bargain in today's market. One of the reasons we've been able to hold this price has been going entirely electronic with Zero Beat distribution. Our biggest expenses are hall rental, Field Day and the Holiday party. We ask all our members to keep your eyes open for possible meeting places or Field Day locations that would work for HCRA and reduce our financial burden.

October's meeting will feature Mike Raisbeck/K1TWF. Mike is the ARRL's Vice Director for the New England Division and one of the primary organizers for NEARfest, the biggest ham radio flea market in New England. K1TWF will bring us up to date on the latest trends in our hobby, what's happening at the FCC affecting amateur radio and more. Mike is a great resource for everything about ham radio and will be taking questions after his presentation.

The HCRA annual auction is just two months away, falling on November 4<sup>th</sup> this year. As usual we are looking for donations of new, used, unwanted or orphaned ham radio or electronics items. The sale of these donated items goes a long way in keeping our dues at such a low rate. We can pick up large donations to save someone the effort of dragging them down there. Since HCRA is a non-profit all donations are tax deductible. Contact Jim/KK1W at [kk1w@arrl.net](mailto:kk1w@arrl.net) if you have items you would like to donate.

'73... see you at the meeting,

Jim, KK1W



*N1FJ's typical SOTA setup on Mt. Grace in Warwick, Mass. Log shows several dx contacts with Great Britain and France, along with many stateside SOTA chasers, including WN1E & KK1W. Operation was 20 meter CW, 5 or 10 watts to a dipole strung from the fire tower to a tree.*



Barry Mason, N1IJK won our latest "big" raffle. What would you like the next raffle item to be? Contact one of the club's officers with your idea.



*Dave Cayen, WN1E, tuning the K2 as NE1SJ on Mt. Equinox, Vermont. Another SOTA Jerks operation.*

## Join the ARRL or renew your membership!

ARRL members enjoy:

- QST Magazine
- Members-Only Web Services
- Technical Information Service
- Member Discounts
- Outgoing QSL Service
- Continuing Education
- ARRL as an Advocate
- Regulatory Information Branch
- Public Relations for Amateur Radio
- ARRL Field Organization
- ARRL-sponsored contests
- Operating Awards
- Local Clubs
- Amateur Radio Emergency Service
- Hamfests and Conventions
- Volunteer Examiner Coordinator Program



<http://www.arrl.org/membership>

# HCRA Board of Directors Meeting Minutes 6/6/11

Vice President, Kx1x Report – IRLP has crashed and he has a new machine in his car. There was quite a bit of node activity during the June 1 tornado. Tech classes should start again in October.

Treasurer, AA1YW.

Current financial report - \$5183.43. Generator Raffle netted \$521.00, Tail Gate Party \$5.

Secretary W1MJB – not present

Marty will not be at tonight's meeting – KK1W will take notes.

Approve March minutes as printed. - Yes

## DIRECTOR REPORTS

Technical, KB1NWH – Not present

Report – Red Cross netted \$150 from Friday's meeting.

Tail Gate Party report – One table, \$5 everyone seemed to have a good time.

Frandy has the parts for the AB-577. Still needs to work on the mast adapter and get ground anchors..

Zero Beat, N1FJ

Cutoff date for Field Day *Special Edition*? – It will go out around June 17<sup>th</sup>. Some board members will contribute content for the publication.

Cutoff date for September ZB? – August 22nd

Membership, W1MSW

Generator Raffle results-142 tickets, \$1420 gross, \$899 cost, net of \$521.

Field Day Raffle update – sold 12 tickets so far for \$50

Current member count (regular, life) 3 Life, 89 Regular, 13 Prospects  
New member approval.- Sam/KB1UYH – approved.

At Large, WB1DBY

Report and farewell – thanks for your years of service Larry!

At Large, N1KXR

Welcome aboard Rich! How do you view your position for the coming year? – Looking to participate in HCRA events going forward. Teaching events? PowerPoles crimping and setup and show at FD.

Program, NN1Y - Not present

September – Possible presentation by Mike Raisbeck/K1TWF. KK1W is working on this but has not heard back yet.

Look for Ward Silver for a combined meeting with MTARA. Frandy will contact Ward Silver for more details. Also follow up with John Ellsworth from the museum.

Crew DX President, KB1RIE

Report on food concession at the tailgate party.- Netted about \$30, most of the people were happy.

Crew participation for Field Day? – Probably some help for setup on Friday, Saturday & Sunday are questionable because of other events..

## OLD BUSINESS

Waiting to hear back from Dufresne about FD price reduction – KK1W

Club History – Dave/KB1MU was contacted about returning the HCRA history collection to the club but has refused as he feels it is his personal collection. Tabled from May meeting. – tabled until September. N1KXR suggested notifying the members not to forward memorabilia to Dave but to the club PO box instead..

Field Day Raffle Items purchased from Lentini's. FT1900R/Wouxun HT.

Your choice raffle.

## NEW BUSINESS

Field Day Planning Update – KK1W, W1MSW – progressing well.

Long Term Raffle Planning – W1MSW – tabled until next meeting.

Board Meeting Dates for new season: AUG 22, OCT 10, NOV 7, JAN 9, MAR 5, MAY 7, JUN 4 – approved.

Holiday Party Event Coordinator? - Open

Joint Picnic Event Coordinator? – N1KXR volunteered to coordinate.

## ACTION ITEMS

Confirm K1TWF for September – KK1W

Supply an extension cord for use at the hall – AA1YW

Send N1KXR a copy of January's notes from the ARRL Cabinet meeting – KK1W

Create a map of station layout – use as a handout AND include in the special FD edition – KK1W

# HCRA Board of Directors Meeting Minutes 8/22/11

Location: Jim/KK1W's home

Members Present: John/Kx1x, Dave/AA1YW, Marty/W1MJB, Jim/NN1Y, Matt/W1MSW, Frandy/N1FJ, Jim/KK1W

Vice President, Kx1x

Our IRLP node is down from a computer crash. John is rebuilding the PC and expects the node to be QRV by the Labor Day weekend. There will be a Technician Class scheduled for fall 2011, John is in the process of confirming dates and times. It will be held at the MOOSE lodge in Chicopee, MA

Treasurer, AA1YW.

Current financial report: \$3975.19 + \$520 from the FD raffle & donations for a total of: \$4495.19.

Secretary W1MJB

June minutes were approved.

Zero Beat, N1FJ

Publication date for the September issue is August 29<sup>th</sup>. A decision was made to not print 100% of ZB for September as in years past but rely on electronic distribution. A decision concerning 100% printing for October will be made by the end of September. Content for the September issue was discussed and decisions made.

Membership, W1MSW

The Field Day Raffle ticket sales were \$310. Net results (after the prize) was \$190 and we had \$300 in food donations. New member Al Woodhull/N1AW was welcomed into HCRA. Long Term Raffle Planning, tabled from June was tabled again. We are looking for suggestions and implementers.

Program, NN1Y

September – General Meeting with members to include Field Day,

SOTA and a silent auction. October will be Mike Raisbeck/K1TWF

## OLD BUSINESS

Club History – The club will not pursue obtaining our history documents from Dave/KB1MU

Board Meeting Dates for new season: AUG 22, OCT 10, NOV 7, JAN 9, MAR 5, MAY 7, JUN 4

Holiday Party Event Coordinator, tabled from June. Marty/W1MJB will coordinate this year's party.

## NEW BUSINESS

N1CQT Donation – A large donation from Al Drake's widow was obtained in August. A list of equipment was reviewed by the board and decisions were made to dispose of the equipment in a manner to best benefit HCRA members. The items will be sold at silent auctions during club meetings, given to HCRA FD stock and Crew DX, sold on eBay and placed in our November auction. The board made decisions and asked Jim/KK1W to manage the task.

How and when to publish Zero Beat to achieve a high renewal rate was tabled until next month. Before the end of September we will determine how to follow up on non-renewals based on renewal results.

A brief discussion about club dues and member types arrived at the conclusion to keep everything the same for the 2011-2012 season.

It was decided since the DX Crew isn't interested in running the coffee table and we've had no member volunteers to run the table to discontinue coffee/donuts at the meetings. The same will go for the auction – volunteers needed.

## ACTION ITEMS

Contact John Ellsworth at the Radio Museum about possible speaking engagement – KK1W

Confirm Tech Class dates with MOOSE and get the info to Frandy for September ZB – Kx1x

Purchase new checks for our account – AA1YW

Insert in "From the Shack" new address for HCRA history information.

Handle the N1CQT donation in a manner that best benefits HCRA and its members – KK1W

Publicity for MTARA/HCRA joint picnic – N1KXR

Forward Holiday Party info to Marty – KK1W

Respectfully submitted on August 25, 2011

Jim Mullen/KK1W

# My Field Day with the Bear Bait Radio Club

Field Day weekend is a ham radio activity that I always get excited about. This year was no different. While I have been yearning for the past few years to do something different than going to Dufresne Park, I have still participated with the HCRA over the years.

So as things started ramping up for this year, I found out that my son Jacob, KB1NSN, needed to be at his summer job the Sunday of Field Day weekend. It wasn't just that he needed to be there, it was the fact that it was 270 miles from the Springfield area. He was hired by BSA Camp Massawepie which is located about 10 miles west of Tupper Lake in NY. I was bummed. No joining the guys for FD this year.

Then I started thinking – there *must* be a Lake Placid radio club or one nearby. I used the ARRL Field Day locator and googled radio clubs for the Adirondacks. I found as few, mapped them and emailed them asking about joining their Field Day. I did get invitations to three clubs. The closest to Lake Placid was *120 miles away!* That was too far no matter how good the invite sounded. (Lake Placid is only 230 miles/4.5 hours from Springfield). Finally, a few short weeks before FD, I found a much closer club: The Bear Bait Radio Club.



I emailed them asking if I could participate on Saturday and do some CW. I coordinated originally with Scott, then with Tom, WA2DAD. He said they were thrilled to have a “CW” guy come and participate and demo CW. Uh oh, I was the only CW guy?

I got a rough cross road for my gps and away we went on Saturday morning. I did pack my 570, paddles, headphones and a tote of stuff just in case plus my powerpoles and crimper in case too. I was ready for nearly anything plus had 3 antennas with me as well. The drive there took about two hours and the roads seemed to go on and on forever.

The club was setup in the pavilion on Mt. Sabbatis in Long Lake, NY. It was 62 miles from the campground. Off we went traveling thru some beautiful country, mountains everywhere and lakes calling me to paddle them as well. I also noticed that nearly the whole ride was at 1600 feet elevation.



Soon enough we arrived at Long Lake and found the Field Day location. It was in the pavilion, a few wire antennas were in the trees and one funky vertical or rotating dipole mounted on the back of a truck.

Jake and I were immediately welcomed in. Jake helped get some balls with rope into the trees (strong arm) with ease and I met everyone and scoped it out. My station was to be a Yaesu FT-857 on a dipole on 20m. I added my trusty Vibroplex Chrome Code Warrior paddles and headphones. Logging was by hand.

The logging threw me off a bit. I did have my laptop with me, but there was no cell signal, so I couldn't hook up and download a logging program. I stuck with the paper. I copied the CW on a pad, numbered the contacts, added the time, freq and report and then transferred it all to the log. A bit tedious and I averaged about 3 minutes to a contact. Not my best times, but it was FUN!

I was operating KC2ZZO 5A NNY. I had to be careful as, without thinking, I sent W1NY a few times as well as my own call or a mix of all. It was easy enough to do without a memory keyer. Everything was manual. Did I say it was great fun?

The 857 also didn't have any CW filters, so I was playing with the digital signal processing a bit and got it working acceptably. I guess I was spoiled all those years with the HCRA?

I spent about 4 hours doing this. Sitting on a picnic table and operating. Drinking my Mountain Dew from my Nalgene and getting numb butt after about 4 hours. I also had hams and non-hams come over and chat and ask about CW. Many had *heard* about it but never heard or saw

*(Continued on next page)*

*(Bear Bait, continued)*

anyone operating it. I probably spent 90 minutes of my 4 hours discussing ham radio and CW too with everyone that stopped by. Most thanked me for coming out and participating with them and giving them the CW contacts. During my time with the guys I learned that they are almost all from the Syracuse area. The club operates there and comes up to Long Lake a few times per year for contests and they have started teaching ham radio to some locals who have now earned their tech licenses. Each Fall they do a weekend cram class and average 80% pass rates. There is a slowly growing ham community in Long Lake, NY where there never was one before.



All in all, it was a great time. Without the help of some technology, having to manually log, send, etc. it surprised me how much fun going back to simplicity it was. I was very happy to have found a club and participated with them.

73,

Larry, WB1DBY



*NEISJ on Mt. Equinox, Vermont. A doublet high and in the clear. A SOTA Jerks operation. (WNIE & NIFJ, ops.)*



*Not much of a view on Pt. 3025 on the Long Trail/Appalachian Trail in Vermont. A SOTA Jerks operation. (Shown: NIFJ & KKIW)*



*Not much of a view here, either! It's hard to believe that Webb Hill is a summit. Another SOTA Jerks operation. (KKIW & NIFJ, ops.)*

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## Join us at the annual MTARA picnic!

(This is a joint picnic for MTARA and HCRA members.)

Sunday, September 18, 1-5 PM at the  
Springfield Turnverein.

Club will provide burgers, hot dogs, and one  
beverage (soda or water) per person.

Additional beverages may be purchased  
from the Turnverein.

Cost is \$ 8.00 per person, with checks made  
payable to the MTARA.

Please bring a dessert or a side dish to share!

Please respond (yes or no) by September 10 to  
Diane Shippee KB1KST@NETZERO.NET or by  
phone (860) 597-1398 .

Checks may be mailed to Diane at:

PO Box 876  
S. Windsor, CT 06074

SEE YOU THERE!



**HAMPDEN COUNTY RADIO ASSOCIATION**  
**P.O. Box 562**  
**Agawam, MA 01001**



*Application for New or Renewal Membership*

DATE: \_\_\_ / \_\_\_ / \_\_\_

NAME: \_\_\_\_\_ CALLSIGN: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ LICENSE CLASS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: Home (\_\_\_\_) \_\_\_\_-\_\_\_\_ Cell (\_\_\_\_) \_\_\_\_-\_\_\_\_

Work (\_\_\_\_) \_\_\_\_-\_\_\_\_-\_\_\_\_ ext ARRL Member:  Yes  No

E-mail: \_\_\_\_\_@\_\_\_\_\_  I don't want to be a member of the HCRA mailing list

Type of application:  New  Renewal (see below)

If renewal use data already on file?:  Yes  No

Class of application:  Regular  Family

*Donations are tax deductible!*  
*Thanks!*

Please list additional family members:

Name	Call	ARRL Member	e-mail
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

**My interests: (please check all that apply, even if renewing)**

<input type="checkbox"/> Alternative Power	<input type="checkbox"/> Digital Modes	<input type="checkbox"/> QRP
<input type="checkbox"/> Antennas	<input type="checkbox"/> DX'ing	<input type="checkbox"/> Satellite
<input type="checkbox"/> Board of Directors	<input type="checkbox"/> Emergency Communication	<input type="checkbox"/> Teaching Ham Classes
<input type="checkbox"/> Club Events	<input type="checkbox"/> Field Day	<input type="checkbox"/> Training (Elmering)
<input type="checkbox"/> Contesting	<input type="checkbox"/> Fox Hunting	<input type="checkbox"/> VHF/UHF
<input type="checkbox"/> CW	<input type="checkbox"/> Kit Building	<input type="checkbox"/> ?

Thoughts for improving 'our' club:

*Dues are \$15/year for regular membership. Additional family members are free.*

Annual Dues:	<b>\$15.00</b>
Donation:	\$ ____ .00
<b>Total:</b>	<b>\$ ____ .00</b>

Received by: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_