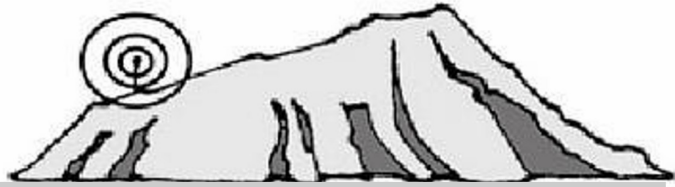


THE WIRELESS DISPATCH



Editor: Wayne Greenleaf, KH6MEI

The President's Corner.....

I would like to thank the membership for my reelection as EARC President. I would like to tell you little about myself. I'm originally from Maryland, joined the U.S. Navy in 1997 and been stationed here in Hawaii for 7 years. I just transferred from Afloat Training Group Middle Pacific to USS Chung-Hoon as leading Quartermaster. EARC is really motivated and been productive over 2006. We need to keep up the great work thru 2007. EARC had total of 92 paid members for 2006. Membership up to date is around 59 paid members. Show your pride and ownership in the EARC and order a hat or shirt. Joe (NH7WL) has taken over the shirt and hat committee. Many thanks to Al (NH7WK) and his wife Chris for there assistance in shirts and hats. Christmas Mini Field Day we had great turn out of about 30 plus hams, family, dogs, and visitors It was great to see the EARC membership out. Any one has any good idea's for the club please bring them up. EARC purchased a two can band pass filter with preamp for VHF Mauna Kapu (146.800-) repeater. The technical team is always looking for help when going to the different repeater sites. We are also taking donations to help with the upgrading on EARC owned repeaters.

73's,
Chris Colquhoun
NH7QH President

Your Board

of Directors:

- President:
Chris Colquhoun, NH7QH
- Vice President:
Connie McCurdy, NH7IE
- Secretary:
Gloria Hall, WH7BTE
- Treasure:
Steve Hall, NH7ZD
- Director:
Jim Connell, KH6JKG
- Director:
Russell Houlton, WH7O
- Director:
Kevin Bogan, AH6QO
- Director:
Joe Hunkler, NH7WL
- Director:
Al Pascua, NH7WK
- Director:
Wayne Greenleaf, KH6MEI
- Director:
Mei Li Greenleaf, KH6MG
- Director:
Bill Orenstein, KH6QX
- Director:
Jan Mitchell, WH7Y

EARC Patches, Shirts & Hats

For those that haven't seen them yet, or gotten theirs, the EARC patches are in and they are looking great. They can even be ironed on. This has turned out to be a great money maker for the club. We are making profits for the club. This also means that, if you haven't gotten yours yet you might want to do so before we run out. At just \$5.00 each it not only makes a great club donation, but you get a great patch.

Polo shirts and Hats are also available,
See Joe, NH7WL to purchase any of these items.



Mini Field Day, December 16, 2006

By: **Wayne Greenleaf, KH6MEI**

Several members of the EARC attended a mini field day held at the Hawaii Kai Boat Ramp. The outing was a pot luck any everyone brought something delicious to eat. Chuck NH7XL and others set up an HF station and searched the bands for activity. The nightly EARC net was conducted on location by Chris NH7QH. President Chris Colquhoun headed the Christmas grab bag drawing which saw many neat items.

Overall everyone had a great time and the event was an outstanding success. As a matter of fact everyone was having such a good time we all forgot to get some pictures. The next mini field day is scheduled for July 28, 2007. We look forward to seeing you there.

End of an Era: FCC to Drop Morse Testing for All Amateur License

Original Article from BetaNews

The FCC formally removed the requirement for ham radio operators to learn Morse code back in January. The ruling went into effect on Friday, February 23, 2007. Under the new policies, those who may have not had access to what are called the "HF bands" by hams would now gain access.

High frequency communications allow for worldwide communications with the right equipment and atmospheric conditions. But up until the rule change, radio amateurs had to prove they were proficient by passing a five-word-per-minute code test.

Although it is a point of contention within the ham radio community, it was commonly believed that this requirement prevented a large number of hams from using these worldwide frequencies. Many other countries agreed with this premise, and many have already dropped the requirement, some for longer than a year.

With the change, more than 200,000 individuals with a "Technician" license would gain immediate access to the 10-meter band (slightly below the Citizens Band frequencies, which are located on 11 meters). Additionally, they would receive morse code privileges in two other bands.

The upgrade path to the "General" and "Extra" classes licenses would be easier as well, offering full access to high-frequency bands for the nearly 650,000 hams across the United States, as long as they meet the proper requirements.

The American Radio Relay League, said the change is good for amateur radio, and is already showing benefits.

50th Hawaii State Science & Engineering Fair

By: Tom Seale, KH6AAA & Rich Fewell KH6DAD

On April 2, 2007 the Hawaii State Science and Engineering Fair kicked off at the Neal Blaisdell Center. Students from around the state gathered to display the best of their districts' science fair projects and see what the other students had done. Projects ranged from simple to the mind-bendingly complex. Power generation always seemed to be a popular topic and there were many fruit batteries and fuel cell projects as well as impressive robotics displays.

Tom, KH6AAA and Rich, KH6DAD attended the Fair to select two radio related projects to be awarded a monetary prize donated by the E.A.R.C KH6IJ Scholarship fund. It would have been great fun to evaluate all of the more than 600 projects. There four project entries related directly to radio communications.

560 "Why do some radio frequencies go farther than others?" by Sarah Ching. Her dad is KH7O Rick Ching. She studied the effect the ionosphere has on radio wave propagation.

161 "Focusable Phased Array Antenna" by Parish M. Keoni Kaleiwahea. He developed an electrically steerable directional antenna, primarily for WiFi use.

231 "Signals from the Sun: The Effect of Solar Radio Emissions on GPS" by Ayla R. Bicoy. The student assembled and operated a decametric radio telescope (Google: Radio JOVE) which was kinda cool. This kind of antenna was developed for listening to the radio emissions of Jupiter.

716 "How do crystal radios work?" by Zachery C. Pillen. This project had a cool homemade radio made from little more than a toilet paper roll and copper wire.

The winners selected were:

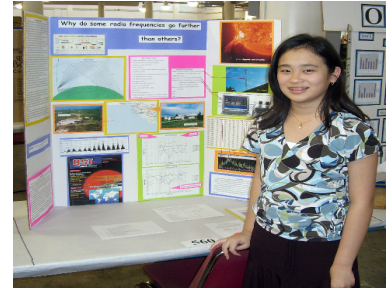


Left, Ayla R Bicoy Right, Sarah Ching
Photo By: Tom KH6AAA

1. Sarah Ching (Why Do Some Radio Frequencies Go Farther) (\$75.) Sarah is a student at Mid-Pacific Institute
2. Ayla R. Bicoy (Signals From The Sun) (\$25.) Ayla Bicoy attends Molo-kai High School.

It was fun to see what everyone was doing and how well it was presented. We were also very impressed by the young people we met. It will be exciting to see what these young scientists and engineers come up with in the future.

E.A.R.C. winners were presented checks from the KH6IJ Scholarship fund by KH6AAA at the awards ceremony held on April 4th before a crowd of more than five hundred students, educators and celebrity judges including NASA Astronaut Dr. Ellen S. Baker who was the guest speaker.



Above: Sarah Ching with her entry



Below: Ayla Bicoy's entry

Treasurers Report

By: Steven Hall NH7ZD, Treasurer

ASSETS

Cash and Bank Accounts

Checking (5339)	\$	1,947.07
Sav Operations (0707)	\$	4,797.00

SUB Total (Spendable) \$ **6,744.07**

KH6IJ Sch Fund (Locked) \$ 4,412.86

Upcoming Event Calendar

Monthly Membership Meetings Activities:

April 26, Mike Berger AH7R, WIFI for the Amateur Radio Operator

May 24, Skywarn II Training at the NWS office, 2525 Correa Rd.

Upcoming Events:

Field Day, June 23 & 24 at Kualoa Beach Park.

Mini Field Day, July 28 at Hawaii Kai Boat Ramp. This will be a pot luck gathering.

If you haven't already, it's time to renew your membership

By: Wayne, KH6MEI Membership Chair

Time flies and we are well into the new year. Dues are due at the beginning of each year and are then prorated for a partial year for new members. All of us renewing our memberships need to pay the \$20.00 renewal fee, no matter when during the year it's paid. Please remember the EARC draws it's operating funds from dues collected, so it's important that each of us renew at the beginning of the year so the funds can be utilized in support of the club. Dues can be given to the treasurer Steven Hall, NH7ZD at the meetings or mailed to:

EARC

P.O. Box 30315

Honolulu, Hawaii 96820

As of March 2007, we have 56 renewals and 3 new members for a total of 59 active members.

73's and Mahalo for your continued support.



March 8, 2007

Picture at left: Our EARC Technical team hard at work troubleshooting the repeaters at Peacock Flats.

Pictured from left to Right: Bernie Dier, KH6IAH, President Chris Colquhoun, NH7QH, Carter Davis, KH6FV & Jim Connell, KH6JKG.

Photo By: Tom Seale, KH6AAA

Emergency Amateur Radio Club

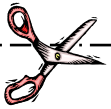
Membership Application Form

Time to renew your membership, or to become a new member? Here's the perfect opportunity to do either. Just fill out this form and turn it in, along with your annual dues (see form for amount due) at the next general membership meeting OR mail it in to us at the address shown at the bottom of the form.

Membership has its privileges! Here are just a few:

- ... free subscription to the Wireless Dispatch
- ... free EARC-sponsored test sessions for first-time hams and upgraders alike
- ... prize at the end of the year for the member that recruits the most new members
- ... an opportunity to do community service through club-sponsored events (i.e., the Great Aloha Run)
- ... a network of incredibly helpful, friendly, knowledgeable people who share your enthusiasm for amateur radio

And that's just the beginning. As a member, you'll have opportunities to present your ideas, as well.



So fill out the form below, and get started!

NEW MEMBERS JOINING IN: JAN-MAR \$20.00, APR-JUN \$15.00, JUL-SEP \$10.00, OCT-DEC \$5.00.

Renewals: \$20.00 for the calendar year.

- New Member Renewal Address Change (if this only, do not include payment) Donation

CALL SIGN _____ LICENSE CLASS _____ LICENSE EXP DATE _____

NAME _____
Last, First MI

(Family: Name _____ Call _____ Name _____ Call _____)

ADDRESS _____

CITY _____ STATE _____ ZIP _____ - _____

HOME PHONE: () _____ . WORK: () _____ . PAGER: () _____ .

E-MAIL ADDRESS _____ FAX: () _____

- I would like to subscribe to the EARC e-mail listserv (no spam, just news!).
- I am willing to read the Wireless Dispatch online instead of receiving a paper copy (saves the club \$\$).

If you wish to submit this form by mail, please remit it, as well as a check for the amount specified to the EARC to the following address:

The Bi-Monthly Newsletter of the Emergency Amateur Radio Club

Primary Business Address
PO Box 30315
Honolulu, HI 96820



Yahoo Group (Reflector): WH6CZB_EARC



T O :