

Don't let this be your last issue of the WD! If you haven't done so already, renew your membership!

The WIRELESS DISPATCH

The Bi-Monthly Newsletter of the Emergency Amateur Radio Club

Volume IV, Issue 2

March/April 2003

FREE

Carter Davis explains, demos IRLP at EARC meeting

by Kevin Bogan

The other night, I saw Jack Tsujimura, KH6DQ, use a FM radio to talk to a station in Japan clear as a bell. How did he do it? No, tropospheric ducting did not come into play. Jack used the set up that Carter Davis, KH6FV, demonstrated to a crowd of thirty people in the newly refurbished facilities of O'ahu Civil Defense Agency (OCDA).

Carter presented at the EARC club meeting on the latest developments on linking radios with voice over Internet – in this case, it



Carter Davis (center), former EARC president, demonstrates the power of IRLP to an attentive audience. photo by Kevin Bogan

is the Internet Radio Linking Project (IRLP). Invented by David Cameron, VE7LTD, as a simple, clean solution to link radios and repeaters via the internet, IRLP now has well over 800 nodes on its list. Grab your radio and tune to the nearest UHF repeater that has IRLP, make sure you set the tone

scquelch, punch in the pound sign followed by the number of the node you want, wait a few seconds for it to link up and Voila! you are

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Pres looks forward to exciting year with EARC

The President's Corner

Kevin Bogan
AH6QO



Welcome to another edition of the Wireless Dispatch. We are fortunate to have Todd Kawamoto, KH7UK, and Crissy Terawaki-Kawamoto, KH7CHI, publish our newsletter in a professional look. Give them your thanks and your articles!

A new year, new officers (Jim Connell, KH6JKG, from the tech committee is now V.P.), new look for the newsletter, and new offerings at the club meetings! Something will grab your interest. In January we had a very informative and riveting presentation, HF Transmission Lines and Antennas: Myth and Truth presented by Eran Agmon, WH7R. A crowd of about twenty-five people were led through the basics of HF

propagation and on into the more esoteric realms of getting a good HF signal out. Even after two hours, people were plying him with their questions. When is a loop antenna not a loop antenna? Vertical or horizontal antenna, which is best? Do I really need to worry about SWR? These were just some of the questions handled. We hope to have Eran return for another talk.

At the February meeting, we had Carter Davis, KH6FV, present and demonstrate Internet Relay Link Project (IRLP) to a crowd of about thirty people at the newly refurbished O'ahu Civil Defense Agency (OCDA). Please read the article about it elsewhere in this edition of the newsletter.

The March 27th meeting will be held at the State Civil Defense facility located in Diamond Head Crater. Clem Jung, KH7HO, will give us a tour of the facility and talk about Weapons of Mass Destruction and Homeland Security.

Our other main activity is the Nightly Nets. We hope to hear you check in on the nets. David Cabatu, AH7E, is the net manager and will give more info about the nets. I would like to ask you to consider taking the Tuesday night net. Currently, it is dark and needs a Net Control Station (NCS).

Stay abreast of developments by visiting our

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... about ...

The

WIRELESS DISPATCH

The WIRELESS DISPATCH (WD) is the official newsletter of the Emergency Amateur Radio Club and is published bi-monthly and is available online at <<http://www.qsl.net/earc/>>. Special editions may be published if the club sees fit. Expenses for printing and postage are covered by the club, and receipt of the WD is free for all members who are in good standing.

Editor Crissy T. Kawamoto, KH7CHI
Asst. Editor Todd Kawamoto, KH7UK

Questions and comments regarding the WD, as well as submissions or corrections, may be sent to the editor via e-mail at teriyaki@mac.com, or via the EARC, P.O. Box 30315, Honolulu, HI 96820-0315.

Message from the Editor

Welcome to the return of the Todd- and Crissy-produced Wireless Dispatch. Muchas gracias to Bill and Doe Saderup and Kevin Bogan for all their work on previous issues. We appreciate everyone's efforts. What we would *really* appreciate now, though, would be if all of you would submit articles and pictures to us for publication! You will receive full credit -- not to mention, undying gratitude -- for everything you submit. Please e-mail me and let me know you want to send something before you send it, though. Contact information is to the left.

Enjoy the newsletter!

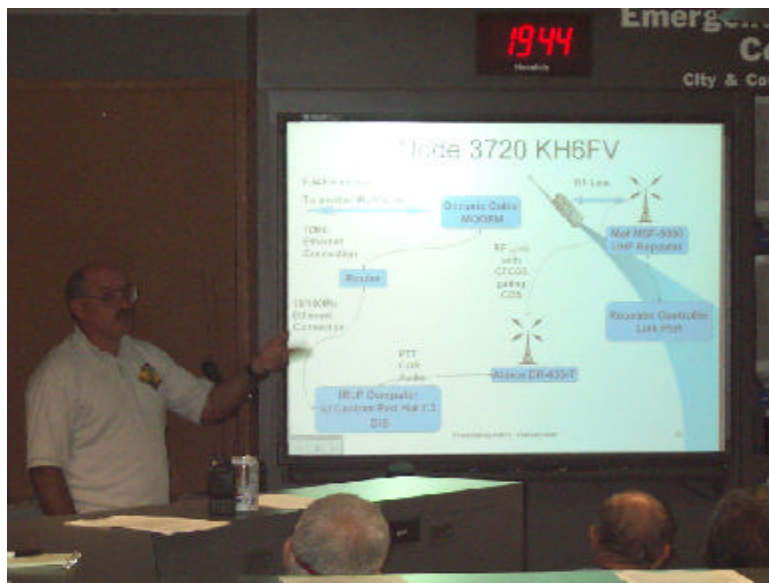
73,

Davis talks Internet, amateur radio repeaters (continued from page 1)

talking to Japan or Las Vegas or, even, McMurdo Station.

Initial investment is modest -- about \$100-130 worth of hardware and software. You can homebrew cables to connect your radio and computer. UHF is generally used because of the legal issues of control and RF linking. Of course, all of this is for those who are more technically inclined.

For more information, visit the IRLP website at <http://www.irlp.net/> and check out the IRLP linked repeater that Carter has set up in Kaimuki. It is on 448.250 (-) 5 MHz with a PL tone of 114.8. He is also testing out a node in Pearl City Heights that will be moved to Guam in June, but you are welcome to use it now. It is on 444.650



Carter Davis keeps the attention of his audience with detailed, informative diagrams. photo by Todd Kawamoto

questions, e-mail Carter at kh6fv@hawaii.rr.com. He will e-mail you an information sheet on how to use his nodes. Carter is funding and working on this himself, with a lot of support from Jack. So, please be patient and kind with your queries. If you have used ECHO Link, IRLP is similar in technology, it just requires the use of RF on both sides of the connection. Now, grab your UHF transceiver and talk to the world!

(+) 5 Mhz, PL tone of 114.8. Remember that it is being tested, so the IRLP function may not be turned on all the time. Carter hopes to soon have a third repeater up on Round Top, as well.

Visit the website, check out Carter's info on QRZ, and if you still have



What's Ahead for your EARC

March 27: General Membership Meeting

*** CHANGE OF VENUE! ***

Clem Jung reports on Weapons of Mass Destruction and Terrorism Awareness
7 p.m., State Civil Defense EOC

April 26: March of Dimes Walk America

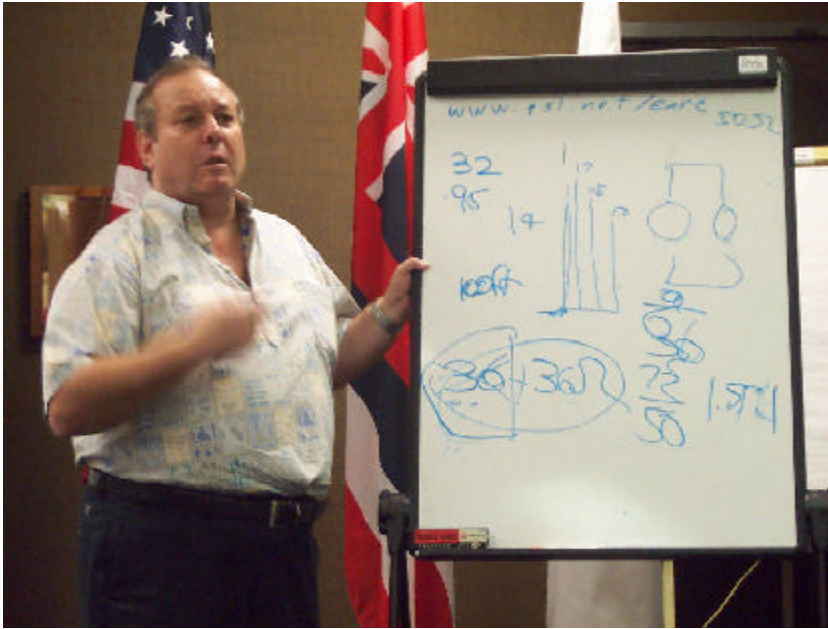
Stay tuned to the listserv for details!

Remember, you can get the latest up-to-date information on events, repeater status and club policy on the new and improved EARC website!

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

Or to join our club listserv, e-mail Crissy at [<earc688@yahoogroups.com>](mailto:earc688@yahoogroups.com).

January General Membership Meeting: Agmon's HF Myths & Truths



Long-time amateur radio operator Eran Agmon illustrates his point at the January EARC general membership meeting. His presentation covered the myths and truths of HF operation and equipment/antenna setup.

Agmon has been licensed for over 35 years and has transmitted from all corners of the earth during his many travels.

photo by Todd Kawamoto

President's Corner (cont'd)

website regularly. You can check on the status of the repeaters and find the latest news there. Visit <http://www.qsl.net/earc>

One sad note was to hear that Jim Maxwell, W6CF, died on February 6, 2003 at his home in California. He was the Pacific Division Director for the Amateur Radio Rely League (ARRL). If you did not know him, you should have. He was a gentleman and worked hard to help promote Amateur Radio and protect its resources.

What lies ahead? Well, summer will be here soon and so will Field Day 2003. We need to start planning now for it; however, we need a coordinator for it. Without a coordinator to, well, coordinate the efforts of the rest of the members, pulling together a field day will be difficult at best. If you like field day, please take on the responsibility. Much of the paperwork can be handed to you. You won't have to do the job alone. Besides getting a coordinator, choosing the location is the most difficult hurdle. Every location has great advantages and strong disadvantages. We'll talk more about it at the meetings.

Just a reminder that we have not forgotten

about the phone patch. The Board of Directors periodically reviews the possibility of installing a phone patch on one of the repeaters. Until a suitable repeater with good control and coverage becomes available, we will continue to wait. The Diamond Head repeater's future is uncertain given the push by the Outdoor Circle to return the Diamond Head rim to its pristine condition. The repeater at the Honolulu Municipal Bldg. still suffers from intermod and many of the original factors that contributed to the decision to discontinue the autopatch there a few years ago. The other repeaters have similar disadvantages coupled with the fact that they do not cover as many stations as the town-side repeaters do. We will come back to this topic from time to time.

DX QSL cards that you may be expecting can be picked up at the meetings or you can arrange for them to be sent to you. The club continues to be the KH6 bureau for the island of O'ahu. David Cabatu, AH7E, wrangles the cards for us and brings them to the meetings. Give him and Maude Williams, NH7IX, thanks.

There is a lot more ahead. Come to the meetings, enjoy the fellowship of other hams, see the latest radios and gadgets, and give us a hand in helping the club and the Amateur Radio community.

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 (\$15 for the remainder of the year) 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)

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 DO NOT want my e-mail address listed on the EARC website.
- ☐ 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:

Emergency Amateur Radio Club
P.O. Box 30315
Honolulu, HI 96820-0315

EARC Vital Statistics

The EARC proudly welcomes
Todd Kawamoto as Treasurer,
Jim Connell as Vice-President and
David Cabatu as Board Member and Net Manager

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January Nets:

177 check-ins
270 minutes

February Nets:

387 check-ins
490 minutes

M
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M
B
E
R
S

William Orenstein (KH6QX)
Bruce Murray (KG6JIJ)
Jason Green (WH6JT)



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