

The Northeast Iowa Radio Amateur Association on a monthly basis publishes the Feedback. The NEIRAA meets the second Saturday of each month (except August) in the lower level of the Hawkeye Chapter of the American Red Cross, 2530 University Ave. Waterloo. Meetings start at 7 P.M.; anyone interested in amateur radio is invited to attend. Feedback editor this month: Earl Taggart (K8YWT) E-mail k8ywt@staroute.com

NEIRAA OFFICERS 2000

President: Jerry Jones (KI0IH)
Vice President: Curt Wilson (NK0T)
Secretary: Jay Nabholz (KC0AKJ)
Treasurer: Dave Berry (KB0OCI)
Directors: Chuck Angel (WA0INC) >2002
Dennis Orona (N0RWY) > 2001
Chris Conklin (N0CF) > 2003

Area Repeaters:

* Indicates 136.5 Tone Coded Squelch

Waterloo/ Cedar Falls

W0MG: 14694 *, 444.975 *
WA0INC: 146.82*, 443.75*,
444.975* (Linked SEITS)
N0CF: 444.65*
KM0K: 146.655*
NK0T: 224.90 (-1.6)

Independence

NI0L: 145.33*

Oelwein

KF0HA: 147.345, 443.950

Waverly

N0RJJ: 145.43*

CLUB WEB PAGE

<http://w0mg.cfiowa.net>

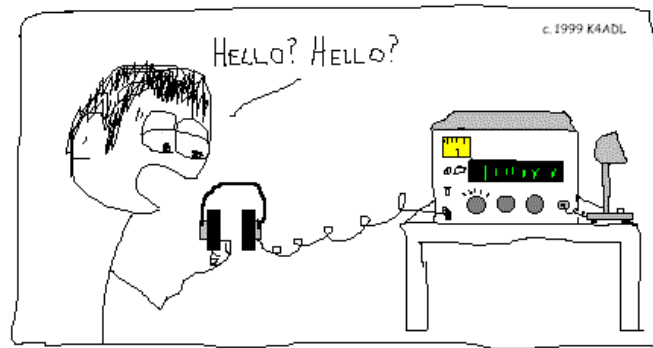
NEIRAA TREASURERS REPORT

03-11-00
General Fund: \$836.22
Repeater Fund: \$155.78
Savings: \$25.00
VE Testing: \$77.00

MINUTES of MARCH MEETING

- 28 people in attendance
- Special Olympics on March 26 at 9AM Center Stage Area
- VE Testing set for 15 April 1 P.M. at Emergency Management on Newell St.
- Programs to include tours of places like KWWL, Iowa Laser Technology and KXEL

- Updating club roster



THE TRANSITION FROM SHORT-WAVE-LISTENER TO HAM OPERATOR WAS SOMEWHAT DIFFICULT FOR EDMUND.

<http://www.qsl.net/k4adl>

VEC TESTING

The next session is on April 15th at the Emergency Management office on Newell St. The cost for 2000 is \$6.65. Vinton will be holding a final VE session, before the tests change, on April 6th. See the notice below.

VE SESSIONS

- Vinton - April 6, (thurs) at 5:15pm.
Vinton-Shellsburg WHS Ind. Tech. Location: 212 west 15th St. (south side of bldg), Vinton, Ia. For further information call Bill Reams (N)ZJO at 319-472-3513.
- AMES - September 9, December 2, 9:30 AM, Fire Service Institute Extension Building, Iowa State University. (I-35 to Exit 113 (13th Street); West 4.5 miles to Haber Road, South 1.5 blocks (2nd building on west side of the road). For information, contact Ken Anderson, N0AS, (515)-291-0481. Talk in on Ames Repeater.
- DES MOINES - May 21, July 16, September 17, November 19. 1:00 PM. Saylor Township Fire Station, 211 NW 54th Ave (1/2 mile north of I-80/I-35 on 2nd Avenue). For information, contact LeRoy Koder, WD0CZO, (515) 262-2390
- WATERLOO - April 15th, Emergency Management office in the Hazmat Training Facility on Newell St.
- WINTERSET - April 21, June 16, August 18, October 20 7:30 PM, Madison County Extension Office, east side of the courthouse square. For information, contact John Sawhill, WA00, (515) 462-1342.

UPCOMING HAMFESTS, FLEA MARKETS & CONFERENCES

Minnesota:

- 8 Apr 2000 Rochester ARC <http://members.aol.com/rarchams>.
Contact: John Scott, N0HZN, 4552 5th Street NW Rochester, MN 55901, Phone: 507-285-6522 Email: n0hzn@aol.com
- Minnetonka, MN. 15 Apr 2000 Robbinsdale ARC Contact: Harriet Johanson, KB0UPG 19000 Clearview Drive Minnetonka, MN 55345 Phone: 612-474-7346

Iowa:

- 29 Apr 2000 DES MOINES - DMRAA. Iowa State Fairgrounds, Hall of Law. 8 AM to 1 PM. Talk in: 146.940 or 146.820. Testing. Contact: Duane Bower, WB0UCY, (515) 287-6542 or duaneab@uswest.net
- SHELDAHL - June 17th. Sheldahl City Park. Talk in: 147.075+
Contact: Don Towers, N0QFK, (515) 685-3410 or n0qfk@arrl.net.
- WINTERSET - July 15th - (See above information).
- AMANA - Cedar Valley ARC. Summerfest 2000. August 13th. 8 AM to 12 PM. Amana Outdoor Exhibition Center. For information, Visit <http://cvarc.rf.org/sumfst00.htm> or email n0uts@rf.org. Testing available.
- DES MOINES - Hamfest Iowa. October 29th. 8 AM to 2 PM. Iowa State Fairgrounds 4H Building. Contact: Jim Wieder, KG0UF, (515) 276-0500 or mailto:wiederj@netscape.net

CENTRAL IOWA AMATEUR RADIO NETS

- Sunday - 7:45 AM to 8:30 AM, 3900 Club Slow Speed CW Net, 3.560
- Sunday, 9:00 AM, 3900 Club Net (Voice), 3.896
- Sunday - 5:30 PM - Iowa Traffic & Emergency Net (ITEN), 3.970
- Sunday - 6:00 PM - Central Iowa Radio Amateur Society Net (Marshalltown), 147.135+ (CTCSS 141.3)-
- Sunday - 7:00 PM - Story County ARES Net (Ames), 147.240+
- Sunday - 9:00 PM - North East Iowa ARES Net (Waterloo), 146.94
- Sunday - 9:00 PM - Boone County ARES Net (Boone), 146.850-; 443.900+ UHF net follows
- Monday - Saturday, 12:30 PM & 5:30 PM, Iowa Section Net (Voice), 3.970
- Monday - Saturday, 6:30 PM & 10:00 PM, Iowa Section Net (Tallcorn Net) (CW), 3.560
- Monday, 7:00 PM, Southwest Iowa CW Net, 3.691
- Wednesday, 7:00 PM, Iowa QRP Club Net, 7.113
- Wednesday, 8:00 PM, Eastern Iowa/Western Illinois 10 Meter net, 28.313

WANTED

Rotor - Tail Twister or larger for turning big quad.
K8YWT, Earl Taggart 319-345-6488

FOR SALE

Please submit any Amateur Radio related equipment for sale to k8ywt@staroute.com or send me a list at "Earl Taggart, 1041 L ave., Reinbeck, IA. 50669"

The following items are from K8YWT, Earl Taggart 319-345-6488

- Dentron Clipperton L HF amplifier 1000W output. 872B Tubes (4) are a little soft and the output is approx. 800 watts. \$350.00.
- JRC JST-100 Transceiver 160-10meters all solid-state 100 watts. \$350.00
- Drake MN-2000 Antenna tuner 2000watt 80-10 meters \$125.00.
- Butternut Butterfly 20-10 meter 2 ele. Quad Beam. Rated for 400 watts. Great for hams with limited space to put up an antenna. A little bigger than a TV antenna. \$150.00.
- Mirage B108 2 Meter Linear Amplifier, 10w in - 80w out. Receive preamp. SSB or FM \$80.00.
- Alinco 2 meter Linear Amplifier, 3w in 30w out. SSB or FM. \$50.00
- I.C.E. Model 421 Low Pass Filter. DC - 30 Mhz. 50 ohm, 80db attenuation above 32Mhz. \$50.00.
- Radio Shack DSP40 CW & SSB noise reduction digital signal processor. \$45.00

The following is from Don W0DT at 277-6031

- Kenwood TS-50S with 500hz CW filter and optional mount. \$515.00 with original cartons.

The following equipment is being offered for sale for Vinton/Shellsburg Washington High School Ind. Tech. By Bill Reams N0ZJO at 319-472-3513

- 1-Yaesu ys-60 swr watt meter. 20, 200, 2000 w HF with instructions \$30.00
- 1- NYE straight Key 330-001 Master Key-\$10.00
- 1- MFJ 557 code key Osc. -\$10.00

1- Astron RS2Ø power supply with schematic \$5Ø.ØØ

Items will be available for inspection on 3-16-ØØ (thurs) 6:3Øpm.

The following are for sale from Raynard Engel WAØEEY 319 234-Ø756

- Heathkit model HW 16 transceiver and Heathkit HG 1Ø VFO. With manuals. Excellent beginners combo. \$5Ø.ØØ
- Kenwood PC-1 Phone Patch Controller. \$ 1Ø.ØØ

PROJECT FOR THE MONTH

A simple 6 ele. Yagi for VHF or UHF. The yagi can be built using a 2x2 or a piece of PVC pipe. The elements can be made of brass, copper rod or aluminum. Securing the elements to the mast depends on the types of materials you use. The only element that needs special attention is the driven element. The other elements are a single piece of metal secured to the boom in the middle.

Fig A shows wrapping a piece of copper wire around the boom and soldering it to the element (Brass or Copper element)

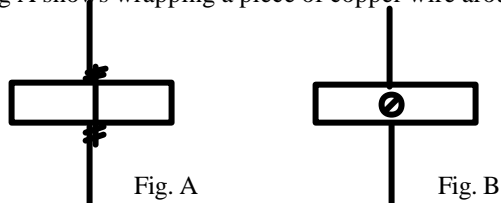
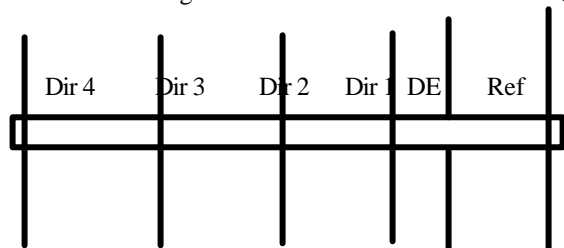


Fig B shows using a screw to lock the element to the boom.

Element lengths and Spacing:

Element	146 Mhz	446 Mhz
Ref	39.74"	13.54"
DE	37.98"	12.5Ø"
Dir 1	36.73"	12.25"
Dir 2	36.36"	12.1"
Dir 3	35.91"	11.92"
Dir 4	35.54"	11.77"
Spacing Ref - DE	14.85"	4.9"
DE - Dir 1	6.34"	2.1"
Dir 1 - 2	14.45"	4.75"
Dir 2 - 3	17.34"	5.7"
Dir 3 - 4	2Ø.2"	6.7"

The total boom length for 2 Meters is about 74" and 44Ø is 25".



The Driven Element is cut in half and attached with screws to the boom. The 5Ø Ohm Coax is attached to the Driven Element (either solder or screws and clamps) Use to RTV the ends of the coax to prevent moisture from getting in.

AMATEUR SATELLITE REPEATERS

Work FM on these satellites if you have a 2 meter and a 44Ø transceiver. The antennae can be a simple vertical ¼ wave. Dual band handhelds with rubber duckies have worked the satellites with some success.

UO-14 Receive on 435.Ø7 and transmit on 145.975

Stensat (no Oscar number as yet)

Receive on 436.625 and transmit on 145.84

