

# WOMG FEEDBACK

Since 1929

January 2001

## NEIRAA OFFICERS 2000

President: Jerry Jones (KIØIH)  
Vice President: Curt Wilson (NKØT)  
Secretary: Jay Nabholz (KCØAKJ)  
Treasurer: Dave Berry (KBØOCI)  
Directors: Chuck Angel (WAØINC) >2002  
Dennis Orona (NØRWY) > 2001  
Chris Conklin (NØCF) > 2003

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 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@gcuni.net](mailto:k8ywt@gcuni.net)

## Area Repeaters:

\* Indicates 136.5 Tone Coded Squelch

### Waterloo/ Cedar Falls

WØMG: 14694 \*, 444.975 \*  
WAØINC: 146.82\*, 443.75\*,  
444.925\* (Linked SEITS)  
NØCF: 444.65\*  
KMØK: 146.655\*  
NKØT: 224.90 (-1.6)

### Independence

NIØL: 145.33\*

### Oelwein

KFØHA: 147.345, 443.950

### Waverly

NØRJJ: 145.43\*

## CLUB WEB PAGE

<http://wØmg.cfiowa.net>

## NEIRAA TREASURERS REPORT

11-11-00

General Fund:----- \$603.95  
Repeater Fund:----- \$75.78  
Savings:----- \$25.00  
VE Testing:----- \$127.00  
Cash:----- \$15.00

## Jan. Club Meeting

Start time 6pm

Club Officer selection  
Red Cross Disaster Training



## MONDAY BREAKFAST MEETING

Monday mornings at 9AM Waterloo Airport. Enjoy Ham Chatter and a great breakfast.

## AO-40 (Phase 3D) Alive Again

ARRL News Bulliten

==>RESET RESTORES AO-40 TRANSMISSION

Merry Christmas, AMSAT--AO-40 is back! Following a 12-day silence, AO-40 once again is transmitting telemetry. In response to an L-band command sent

Christmas Day by command station ZL1AOX, AO-40 resumed transmitting on 2.4 GHz. Software was reloaded to permit telemetry transmissions on 2401.305 MHz.

Some problems remain on the satellite, however. "Recovery of AO-40 continues, and some housekeeping tasks were performed by the command stations to improve and stabilize the situation," said Peter Guelzow, DB2OS, of the AO-40 team. Guelzow says new software routines were loaded successfully to restore the battery-charge regulator system and other housekeeping functions. "We will now start a detailed analysis of the situation," he said.

Telemetry transmissions from AO-40 ceased December 13 while ground controllers were testing the onboard 400-Newton propulsion system following an initial orbital shift. Some observers feared the satellite had been irreparably damaged. Guelzow says ground stations now have regained control of the satellite. Ground controllers hope the telemetry might yield some clues about what went wrong aboard the satellite to make it stop transmitting.

After onboard software watchdog routines failed to restart beacon transmissions automatically, a full reset command and an initialization block to switch on the S2 S-band transmitter were sent via L-band.

Guelzow said telemetry revealed that some temperature sensors have failed and some current sensors indicated incorrect values, but solar sensors seemed to be working fine. The good news was that AO-40's power situation--in particular the battery voltages--looks nominal.

Guelzow said additional software would be loaded in the next few days and the various uplinks checked out before any attempts are made to turn the 2-meter transmitter back on. "Clearly, we need more time to analyze and understand what has happened here," Guelzow said. He said that while there are no indications that the 2-meter beacon transmitter has failed, ground controllers don't want to risk losing communication again. "So for the next days the spacecraft will continue to be transmitting on S-Band only," he said.

Phase 3D Project Leader Karl Meinzer, DJ4ZC said AO-40 command stations "will continue to follow a conservative philosophy" with a primary goal of not causing additional damage while retaining as much evidence as possible to analyze what made the beacon transmissions stop.

On December 22, AMSAT proposed holding an inquiry into the incident that led to the loss of communication with AO-40. A letter from AMSAT-NA President Robin Haighton, VE3FRH, said "AMSAT believes that it is in the best interests of our organization to determine all the facts surrounding this incident and to make sure that a similar situation cannot happen again either on AO-40 or on a future satellite."

#### HAMFESTS and CONVENTIONS

3 Mar 2001	x	Southwest Iowa ARC <b>Contact:</b> Rich Swig, WA0ZQG 2306 Rolling Hills Loop Council Bluffs, IA 51503 Phone: 712-256-7775 Email: <a href="mailto:wa0zqg@arrl.net">wa0zqg@arrl.net</a>	Council Bluffs, IA <b>Div:</b> Midwest <b>Sect:</b> Iowa
12 Aug 2001	+	Cedar Valley ARC <a href="http://cvarc.rf.org/">http://cvarc.rf.org/</a> <b>Contact:</b> Chuck Bassett, N0UTS 207 7th Avenue Hiawatha, IA 52233 Phone: 319-378-0448 Email: <a href="mailto:n0uts@rf.org">n0uts@rf.org</a>	Amana, IA <b>Div:</b> Midwest <b>Sect:</b> Iowa

#### 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 - 7:00 P.M. - Central Iowa Ragchewers Net (Mingo), 146.67-
- Sunday - 8:00 PM - Central Iowa ARES Net (Des Moines), 146.940- (Simulcast on many other repeaters)
- Sunday, 8:30 PM (or following ARES Net) - Central Iowa Packet Net (Des Moines) - 146.940- (simulcast on many other repeaters)
- **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
- Wednesday, 9:00 PM, Cyclone Amateur Radio Club (Iowa State University) net (Ames), 147.375+/443.375+
- Wednesday (2<sup>nd</sup> & 3<sup>rd</sup> of each month) 9:00 PM, Slow Scan TV Net, 147.075+
- Thursday, 7:00 PM, Polk County ARES Net (Des Moines), 146.940-

### National Nets:

- 7.255 ECARS
- 7.251 & 14.325 SOUTHCARS
- 7.258 MIDCARS
- 14.300 MARITIME MOBILE NET (12N – 9PM)
- 7.2815 GOOD SAM RV NET
- 14.336 COUNTY HUNTERS NET

### FOR SALE

Please submit any Amateur Radio related equipment for sale to [k8ywt@gcmuni.net](mailto:k8ywt@gcmuni.net) or send me a list at "Earl Taggart, 1041 L Ave. (T69 or Dinsdale Blacktop), Reinbeck, IA. 50669"

For sale by: Steve Sutterer AK0M  
319-277-8139 or [sjs@cfu.net](mailto:sjs@cfu.net).

Icom IC706 with repeater autoshift mod, extended receive mod, microphone, power cord, manual, original shipping carton. 160-10m + 6m + 2m all modes, in excellent condition, works great. \$650.

The following items are from K8YWT, Earl Taggart  
319-345-2033

- 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-1000 Transceiver 160-10meters all solid-state 100 watts. \$350.00
- Murch UT-2000B Antenna Tuner 2000 watts, 160-10 meters, balanced and unbalanced outputs. \$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. Can be turned with a TV Rotor. \$150.00.

- 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. \$35.00

The following is from Don W0DT at 277-6031

- Kenwood TS-850AT \$825.00
- Hammarlund HQ 170 rough condition but works \$45.00.
- Butternut HF-6V vertical 80-10 \$50
- Butternut HF-2V vertical 80-40 \$90
- M2 Egg Beater Two meters \$70
- Kenwood DSP-100 \$225

Dave Berry KB0OCI, 116 Usher RD., Hudson, IA  
50643 Phone 319-988-3353

1. MFJ-914 Antenna Tuner Extender with manual. Works great \$45.00.
2. Mobil antenna 40M Hamstick \$20.00.
3. Hustler mobile fold over antenna with 10,20,40 & 80M coils and manual \$80.00.
4. Mosley 40M vertical base or mobile antenna with manual \$55.00.
5. CDR Antenna rotor control, 8 wire \$35.00.
6. Six position B&W coax switch \$50.00.
7. Tower climbing belt, like new \$40.00
8. GE MVP VHF radio with multi frequency and tone board options comes with manual. Setup for 146.94/34 and 145.01 frequencies \$55.00.
9. Nye Viking 2000 watt Low Pass TVI Filter \$30.00.
10. Icom 02AT HT 2M radio with speaker mike, battery and charger, cig lighter adapter and manual \$55.00.
11. Azden 4000 PCS VHF radio, complete \$55.00.
12. Kenwood MC-50 mike with foot PTT \$50.00.
13. Kenwood MC-42S mike with up down switch \$50.00.
14. Regency SP-SS Scanner (antenna missing). Weather band works \$20.00.
15. MFJ-945 Versa Tuner II \$55.00.

# WONG FEEDBACK

NEIRAA  
PO Box 92  
Waterloo, IA. 50704