



# NOARS LOG

VOLUME 52, ISSUE 9

SEPTEMBER 2016

## SPECIAL POINTS OF INTEREST:

- NOARS History
- Picnic Recap
- NOARS Vacancies
- Visit K3LR

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## Jane-Waves



Yellow school busses, chrysanthemums and football hopes. Can't believe Autumn is already

upon us .

NOARS is also on the march, and we really need more member involvement.

We have a vacancy for a Program Director who will line up thought-provoking programs for our monthly Membership Meetings.

We also have a spot open on the Board to join Tom W8KYZ, Dave KY8OSU, Clark N8PZD, Thomas N8CWF, Carl W8KRF and me. Board meetings are held about once-a-month to discuss upcoming club events.

We need a creative volunteer to step forward to serve as Director of the December Banquet Committee. New venue? Cocktail availability? Chinese auction? Entertain-

ment? Door prizes? Surely there is a member or relative who would be willing to put some life back into our holiday tradition.

Please contact me if you want to help NOARS remain relevant. We have so many talented members that could offer so much to the vitality of the club. Step up to the plate!

On another note, DX Engineering has become a valuable partner of NOARS. DXE Owner, Tim Duffy has invited our members to visit the new DXE showroom followed by a site visit to his expansive Radiosport complex, K3LR on October 15th. Start organizing you car pooling buddies. More information is found on page five.

Also, DXE will be submitting *paid* advertising in all twelve issues of the NOARS Log newsletter in 2017! We are thrilled to once again promote Amateur Radio ven-

dors. Please consider purchasing your equipment and tools from our advertisers and our sponsors.

73, Jane/ K8JGR  
K8JGR@ARRL.net  
216-570-8500

### 08/30/2016 News Bulletin:

The Hurricane Watch Net has (HWN) has announced plans to activate for Tropical Storm Hermine at 1400 UTC. The storm is expected to develop into a hurricane before making landfall on Florida's Gulf Coast. The net operates on 14.325 MHz until 0100 UTC and then moves to 7.268 MHz for the remainder of the evening. If band conditions dictate, the HWN may operate both frequencies simultaneously. The net will remain in operation until further notice.

ARRL Pacific Section Emergency Coordinator Clement Jung, KH7HO, said the National Weather Service (NWS) will activate SKYWARN for Hurricane Lester at 1800 UTC on Saturday, September 3, continuing until midnight on Sunday, September 4. All four Amateur Radio Emergency Service (ARES) districts on the Big Island of Hawaii remain in active status for Hurricane Lester, to support each other and served agencies. KH6SW remains on the air from the NWS Honolulu Forecast Office on HF, VHF, and UHF.

## Another Hamfolk Gathering

The **West Park Radio Operators** meet informally at 4:30pm on the first and third Fridays of

the month at Canary's II, located at 27350 Lorain Road in North Olmsted, across from City Hall.

Come join the conversation!



# Member Spotlight

Oh, those lazy, hazy days of summer! The Dog Days of August must have slowed everyone down - We had no Bios returned for publication last month. Even with nudging!

Now, I know Hams are not shy or we wouldn't have a hobby in worldwide communication.

Our members have such interesting tales to tell which have resulted in a flood of positive responses to this column. Lets keep it going.

Take a moment to fill out the form, add or delete questions of your choosing, attach two or three pictures and submit by email to [K8JGR@ARRL.net](mailto:K8JGR@ARRL.net)

Technician, General or Extra Class licenses are all rock stars!



**Name, Call Sign, License:**

**How long have you been a ham?**

**How long in NOARS?**

**What/who got you interested in amateur radio?**

**Family Members who are hams?**

**What modes of operation do you like best?**

**Awards, activities, nets?**

**Favorite rig(s)? (If available, attach a picture of you and your shack.)**

**Current projects?**

**What would you like to learn more about?**

**Other Interests?**

**What line of work were you in?**

**Other Hobbies?**

**What would you like to see in NOARS?**

**Please add any other information that expresses your enjoyment with ham radio....**



# August Picnic Recap



Food, music fun and friends made the NOARS Picnic at Duck Pond the place to kick back and relax.

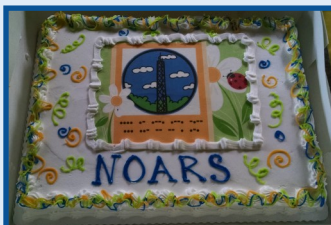
Thank you to all who contributed to its success. Sandy W8KYS and his mandolin provided the festive ambience while Clark



N8PZD cooked up the burgers and dogs, and Dave KY8OSU served up the corn. AI N8CX and Tom W8KYZ brought the picnic makings, Jane K8JGR rounded up a cake and a few supplies, and Bob



W8RET memorialized the event with his photography skill. Even the weather cooperated with the end of the rain and a cooling whisper of a breeze. It was a great way to ease out of summer into our busy autumn schedules.



## Call Signs Heard on NOARS Nets



**August 1 - August 25th**  
**Tuesday & Thursday Nets**

*K3KGX/8 - K8AGW -  
K8JAD - K8KIZ - K8RTR -  
K8RWC - K8WON -  
KA8BPU - KB8TK -  
KC8FQV - KC8VKA -*

*KC8VZZ - KD2HCE -  
KD8DIF - KD8NGE -  
KD8PHL - KD8VIQ -  
KD8VTZ- KE8CWD -  
KE8EWG - KE8NN -  
KF8PM - KY8OSU -  
N8WB - N8WS - NC8S -  
W1AFC - W8GWD -*

*W8KRF - W8KYS -  
W8KYZ - W8RET -  
WA8THE - WB8UPA -  
WD8CSP*

# From the Board - Secretary Vacancy

As most of you may have noticed, Dee KA8VTS has formally stepped down from duty as NOARS Secretary due to health issues. She remains an active member, and still chairs the Sunshine, and both Hamfest Committees. Dee and her daughter, Debbie, ran NOARSfest 2016 and is already looking forward to our Winter Hamfest.

You may have also noticed that **Tom KE8CWF has been acting Secretary Pro Tem, and is asking to be considered for nomination for Secretary** (through the end of 2016) in a Special Election.

The NOARS' Constitution outlines the procedure for Special Elections:

## *Special Elections*

*Any vacancy of office occurring due to resignation or removal from office shall be filled as soon as possible, utilizing the following procedures:*

- a. In the case of the office of President, the Vice President shall become President immediately and automatically.*
- b. In the case of the office of Vice President, Secretary, or Treasurer the following procedure will be utilized.*
  - 1. The Secretary shall cause to be published in the first newsletter after the vacancy occurs that there is a vacancy of office and that nominations will be taken for said office at the next club meeting, followed by elections, and that any eligible member who desires to fill the unexpired term should indicate his desire in writing via email to the President or a board member.*
  - 2. At the first meeting following publication the chair shall ask for nominations from the floor for the vacant office, after which a member of the board will nominate those who have indicated a desire to serve. When nominations are closed an election by ballot will be held. The President shall appoint an election committee who will pass out, collect, and count the ballots, and announce the winner, who will then immediately assume office.*

\*\*\*\*\*

So, nominations *will* be taken for **Secretary** at the September Membership Meeting, followed by elections, and any eligible member who desires to fill the unexpired term should indicate his desire in writing via email to the President or a board member before the September meeting.

Jane/ K8JGR  
K8JGR@ARRL.net



# September Program



Chet K8KIZ's program will deal with two antennas that are designed to get the ham on the air in an emergency situation. The following is Chet's description of his presentation:

Because battery power will often be necessary in an emergency, neither of these antennas is intended to handle more than 100 watts of power... In fact QRP (5/10 watts or less) is probably preferred.

1) The first antenna is a design by the EARC (Emergency Amateur Radio Club) of Hawaii. They have an assembled kit they will sell you for around \$50. It is based on a 9:1 UNUN wound on a toroid that connects to 30 feet of antenna line with at least 15 feet of coax feed line.



I assembled my own and put it in a standard plastic electrical box. If nothing else it looks cute! ; - )

2) The second antenna is based on the famous/infamous SLV (St. Louis Vertical). This antenna was designed to be easy to erect in the field. Yes, there are compromises, but in an emergency this is hardly an unusual situation. The original was based on a particular brand of twin-lead that was sold by Radio Shack. A lot of hams have offered their own improvements along the way, and I have adapted some of the most popular. The design is based on a 20ft long collapsible fishing pole that is used for catching 'crappies,' similar to a Shakespeare antenna.

I ended up winding my own 'tuning coil' and use an unusual alligator clip as my tapping clip.

The antenna also uses three 20 ft long zip cord/speaker wire ground radials. The zip cord is shorted at the far end, and a 1" slit is made about 16" from the connector end on just one side of the wire insulation. The wire within is pulled out and cut off. This gives an effective 39' ground radial in half the space!

## Thoughts for Bob

Our resident paparazzi, Bob Tome W8RET was undergoing a medical procedure at the end of August. Please keep him in your thoughts and prayers for a speedy recovery.



# September Calendar

**Happy September Birthday to the following members:**

W8KFJ + N8AHS + K8KIZ + N8HMY + N8PZD + KA8VTV + KD8BBI + KD8MUF + KD8OCW

Please let Carl W8KRF know if your birthday is this month and your name doesn't appear here. There is a good chance that it's not in our database!

**September General Membership Meeting:**

Held 7:00pm sharp on September 19 at the North Ridgeville Branch of the Lorain Public Library, 35700 Bainbridge Rd., North Ridgeville, Ohio 44039 . Doors open 6:30pm. Coffee and donuts will be available. The Program will follow the meeting.

**October 17, 2016 Program:**

Any member wanting to share their expertise or know of a speaker willing to present at the October Membership Meeting, please contact:

Jane K8JGR, 216-570-8500 or K8JGR@ARRL.net

## September 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 2M Net 8p NCS:W8RET	2	3
4	5	6 10M Net 8p NCS: NC8X	7 BRTN 9:30p	8 2M Net 8p NCS:W8KYZ	9	10
11	12	13 10M Net 8p NCS: W8KYZ	14 BRTN 9:30p	15 2M Net 8p NCS:KD8VTX	16	17
18 VE Testing ARC	19 NOARS Meeting 7pm	20 10M Net 8p NCS: NC8X	21 BRTN 9:30p	22 2M Net 8p NCS:N8CX	23	24
25	26	27 10M Net 8p NCS: NQ8T	28 BRTN 9:30p	29 2M Net 8p NCS:N8CX	30	

Departing summer hath assumed  
An aspect tenderly illumed,  
The gentlest look of spring;  
That calls from yonder leafy shade  
Unfaded, yet prepared to fade,  
A timely carolling.

William Wordsworth

# September Events

THE 41ST ANNUAL

**2016 Cleveland Hamfest and Computer Show**

September 25th, 2016

8:00am to 2:00pm

at the Cuyahoga County Fairgrounds in Berea, OH

ADMISSION \$6 PER PERSON

FLEA MARKET \$6 PER SPACE, AVAILABLE FIRST-COME, FIRST-SERVED THE MORNING OF THE FEST

TALK-IN ON 146.73/R MINUS OFFSET, PL 110.9 OR 444.900/R POSITIVE OFFSET, PL 131.8

DXCC CARD CHECKING BY ARRL. WAS & VUCC CARD CHECKING BY WEST PARK RADIOPS

OHIO ARES TENTH DISTRICT GO BOX CONTEST

FOR MORE INFORMATION VISIT WWW.OHIOARES10.ORG

DON'T FORGET ABOUT THE ARES FORUM

Inside Vendor Spaces Available

09/11/2016

Location: Hancock County Fairgrounds

1017 East Sandusky Street

Findlay, OH 45839

Website: <http://www.findlayradioclub.org>

Sponsor: **Findlay Radio Club**

Talk-In: 147.15/75

Public Contact: Dave Hoxworth AA8KJ

1700 Stonehedge Drive Findlay, OH

45840

Phone: 419-306-5013

Email: [hamfest@findlayradioclub.org](mailto:hamfest@findlayradioclub.org)

09/17/2016

Location: Aiken High School

5641 Belmont Avenue

Cincinnati, OH 45201

Website: <http://www.ohkyin.org>

Sponsor:

**OH-KY-IN Amateur Radio Society**

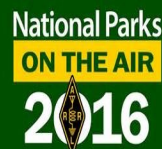
Talk-In: 146.670 (PL 123)

Public Contact: Ted Morris NC8V

6306 Kincaid Road Cincinnati, OH 45213

Phone: 513-347-6396

Email: [nc8v.ham@gmail.com](mailto:nc8v.ham@gmail.com)



Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate , promote the National Park Service and showcase Amateur Radio to the public.

09/17/2016 and 09/18/2016

Peoria Superfest

Location: Exposition Gardens

1601 W. Northmoor Rd., Peoria, IL

Website: <http://www.w9uvi.org>

Sponsor: **Peoria Area Amateur Radio Club**

Public Contact: Deb Suhs KA4DEB

25857 Longview Road Hopedale, IL 61747

Phone: 309-453-9331

Email: [debsuhs@gmail.com](mailto:debsuhs@gmail.com)

09/23/2016 and 09/24/2016

Location: MainStay Hotel and Conference Center

410 Pine Mountain Road

Pigeon Forge, TN 37863

Website: <http://www.w4dxcc.com>

Sponsor: **SouthEastern DX and Contesting Org.**

Public Contact: Dave Anderson K4SV

1271 Red Fox Road Tryon, NC 28782

Phone: 828-777-5088

Email: [davek4sv@yahoo.com](mailto:davek4sv@yahoo.com)



# Club Day Trip



Tim Duffy K3LR doesn't do anything on a small scale... thirteen skyward towers anyone? His award-winning multi-multi (multiple operators, multiple radios) contesting operation is legendary among Radiosport aficionados. And he cordially invites NOARS members and friends for a DXE store visit and tour of K3LR.

**October 15, 2016**

## DX Engineering Store Visit

9:00am: We'll all meet at the store  
 DXE is inside Summit Racing Equipment  
 1200 Southeast Avenue  
 Tallmadge, Ohio 44278

11:00am: We leave in our own cars heading to station K3LR

## Site Visit to K3LR

1:00pm to 2:30pm: Approximate time of tour

\*\*\*\*\*

Free, everyone is invited, open to all.  
**Reservations by October 3rd by contacting Jane K8JGR, K8JGR@ARRL.net**  
 or 216-570-8500 mobile or text

Please indicate whether you will offer or need carpooling

Ever wonder who owns all those antennas visible on I-80 just east of the Ohio border? Join us for a tour to remember.

## Not a Drill: SETI Is Investigating a Possible Extraterrestrial Signal From Deep Space

If the signal is truly from an alien world, it's one far more advanced than ours



The RATAN-600 Radio Telescope in Russia  
(Photo: Wikimedia Commons)

An international team of scientists from the Search for Extraterrestrial Intelligence (SETI) is investigating mysterious signal spikes emitting from a 6.3-billion-year-old star in the constellation Hercules—95 light years away from Earth. The implications are extraordinary and point to the possibility of a civilization far more advanced than our own.

The unusual signal was originally detected on May 15, 2015, by the Russian Academy of Science-operated RATAN-600 **radio telescope** in Zelenchukskaya, Russia, but was kept secret from the international community. Interstellar space reporter Paul Gilster broke the story after the researchers quietly circulated a paper announcing the detection of “a strong signal in the direction of HD 164595.”

The mysterious star's designation is HD 164595, and it's considered to be sun-like in nature with a nearly identical metallic composition to our own star. So far, a single Neptune-like (but warmer) planet has been discovered in its orbit—HD 164595 b. But as Gilster explained, “There could, of course, be other planets still undetected in this system.” Decorated Italian SETI researcher and mathematician Claudio Maccone along with Russia's Nikolai Bursov of the Special Astrophysical Observatory are the principal scientists working on the apparent discovery. They claim that “permanent monitoring of this target is needed.”

“The signal conceivably fits the profile for an intentional transmission from an extraterrestrial source,” said Alan Boyle, author of *The Case for Pluto* who reported the story for Geekwire. “In any case, the blip is interesting enough to merit discussion by those who specialize in the search for extraterrestrial intelligence.”

The signal's strength indicates that if it in fact came from a isotropic beacon, the power source would have to be built by a Kardashev Type II civilization. (The Kardashev scale is used to determine the progress of a civilization's technological development by measuring how much energy was used to transmit an interstellar message.) An ‘isotropic’ beacon means a communication source emitting a signal with equal power in all directions while promoting signal strength throughout travel.

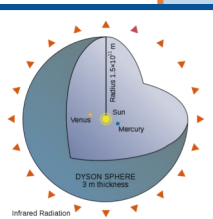
In his acclaimed work “Transmission of Information by Extraterrestrial Civilizations,” Soviet astronomer Nikolai Kardashev explained that a Type II civilization would be able to harness the energy of their entire host star. The most common hypothetical example of this would be a Dyson Sphere—which is a massive artificial structure that could completely encapsulate a star and transfer the energy to a nearby planet.

Basically, if the signal was beamed out into the galaxy without aim or direction, that would require an enormous amount of power to actually be detected. But what if the signal was beamed specifically at our solar system? Well, that would require less energy and could indicate the presence of a Kardashev Type I civilization—meaning that it could be a highly technological, contemporary society that harnesses the solar energy emitted by its local star, much like our planet does with solar panels. This particular civilization's social structure is theorized to be completely globalized and interconnected.

“The signal is provocative enough that the RATAN-600 researchers are calling for permanent monitoring of this target,” said Gilster. And that's exactly what is transpiring. As of last night, the SETI institute is diverting its Allen Telescope Array in northern California to investigate while their counterparts at METI International (Messaging Extraterrestrial Intelligence) will use Panama's Boquete Optical Observatory.

The detection of the mysterious signal and the ensuing investigations will be discussed at the IAA SETI Permanent Committee during the 67th International Astronautical Congress in Guadalajara, Mexico, on September 27—the same day and location where Elon Musk will reveal his plans to colonize Mars.

Reprinted from **Observer**  
By: **Robin Seemangal**



A cut-away diagram of an idealized Dyson shell, a variant on Dyson's original concept. (Photo: Wikimedia Commons)

# NOARS Sponsors



## DX Engineering

1-330-572-3200

### Store Hours

Monday - Sunday:  
9:00am - 9:00pm (Eastern)

Located inside Summit Racing :  
1200 Southeast Avenue  
Tallmadge, Ohio 44278

# R&L Electronics

1315 Maple Ave HAMILTON, Oh 45011  
<http://randl.com> email [sales@randl.com](mailto:sales@randl.com)

Local/Tech 513-868-6399  
Fax 513-868-6574

**800-221-7735**

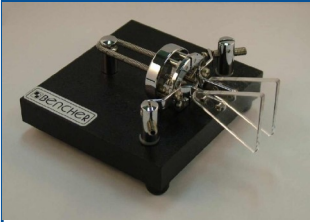
**Daily Specials at [www.randl.com](http://www.randl.com)**

### Store Hours:

Monday - Friday 10 am - 6 pm    Saturday 10 am - 3 pm    Sunday Closed



# For Sale



Bencher BY-1 \$60.00

Tom W8KYZ  
440.930.9115

**YOUR AD HERE  
FOR FAST RESULTS!**

Icom R-75-22, shortwave receiver. 30hz - 30mhz.

Manual and box, \$375.00

Brian Dawson  
440.654.2498



*Used equipment ads from current NOARS members are free. Ads from other hams are also free but will be posted on a space available basis.*

*Send all submissions to K8JGR@ARRL.net*

*The deadline for submissions is the 20th of each month.*

*All ads must include: asking price, sellers*

*name, call sign and phone number. Note:*

*ads will be removed (unless updated)*

*after three months! NOARS reserves the*

*right to refuse ads.*

*Paid advertisers should contact K8JGR for rates.*

# Gyro-stabilized Electric Unicycle

Check out Amazon or do a Google search for electric unicycles and you will find quite a few companies catering to the well-balanced individual!

Solowheel and Airwheel are just two of several manufacturers who cater to those risk-takers that want Segway-like transportation minus a handle and one wheel!



Solowheels (above) come in several models and range from \$1199 to \$1499, while Airwheels can be bought for a modest \$329.

Feel adventurous? Check them out!

**Airwheel**



# For Sale



**Icom IC-781 \$1500 (neg.)**  
I believe I am the second owner. Serial number is 1xxx. Unit was recently repaired by Burghardt Radio with a minor issue on the regulator board. During the repair, I also had them do a "Sherwood-type" modification to the regulator board to prevent overheating. Radio is

fully operational on all modes. Includes original manual, a copy of the service manual, rack handles, HM-12 microphone, and a custom (not original) double box with form fitting inserts should it ever need to be shipped. I am also including a variac that is less than one-year-old. As is fairly well-known, the 781 was designed to work off of a

100V power source. Thus, using the variac and with the fan modification, you are assured of years of trouble-free service by keeping the regulator board as cool as possible. Prospective purchasers will be able to test out the radio in my shack before purchasing.

Tom Tillack 607-760-8479  
tct7d@virginia.edu

# Join the ARRL

Are you joining the ARRL? Did you know that NOARS will receive a commission if you do your transaction through us?



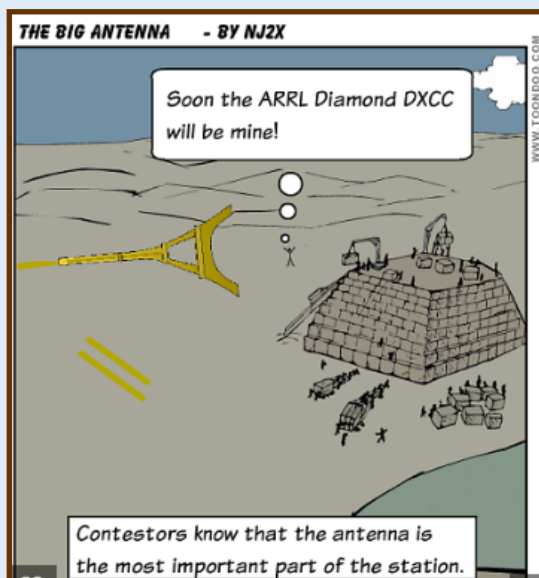
## Commission Terms

ARRL Affiliated Clubs receive a commission for every new ARRL membership they submit to ARRL Headquarters.

Clubs retain \$15 for each new membership OR lapsed membership (of two years or more). A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission.

If you are not an ARRL member, please consider joining now. As an affiliated Club, we are required that 51% of our membership be active ARRL members. If you are joining, contact Tom Porter, W8KYZ. This is important. You will gain benefits provided by being a member of the ARRL, and NOARS will receive some income to help support our activities and events, as well as our repeaters.

*Note: We are no longer processing renewals because of a poor cost/benefit ratio.*





### Northern Ohio Amateur Radio Society

#### NOARS

161 Hermann Drive  
Avon Lake, Ohio 44012

NOARS is a Public Service Organization with the purpose and goal to enhance the Amateur Radio Service through Public Service, Education, and Fellowship.

**Our 51st year serving the Amateur Radio Community of Northern Ohio**

- Meetings are held at 7:00 pm sharp on the third Monday of every month at the North Ridgeville Branch of the Lorain Public Library, 35700 Bainbridge Rd, North Ridgeville, OH. The meetings are open to the public and all are welcome.
- Regularly scheduled NOARS nets are every Tuesday night at 8 pm on 28.370 MHz, and every Thursday night at 8 pm. for the rag chew and technical discussion net on 146.700 MHz. NOARS FUSION Repeaters can be heard at 146.700 (-) PL 110.9 & 444.800 (-) PL 131.8 in Elyria, OH, as well as, 145.150 (-) PL 110.9 in North Royalton, OH. 3-minute TOT. EchoLink K8KRG/R or Node #502546
- Our repeater will be used by Burning River Traffic Net (BRTN) on Wednesdays at 9:30 pm.
- All licensed amateurs are welcome. NOARS membership is not necessary to participate. In fact all participation is encouraged and appreciated.



# NOARS

# e-Mail [noars@noars.net](mailto:noars@noars.net)

#### 2016 Elected Officials

**President:** Jane Reed K8JGR  
**V.P.** Dave Fisher KY8OSU  
**Treasurer:** Thomas Porter W8KYZ  
**Secretary Pro Tem:** Tom Dolan KE8CWF

#### Committee Heads for 2016

**Membership:**  
Carl Rimmer W8KRF  
**Newsletter:** Jane Reed K8JGR  
**DX/Field Day:**  
Al Moriarty N8CX  
**Net Mgr:** Robert Tome W8RET  
**Hamfests:**  
Darlene Ohman KA8VTS  
**Website:** Carl Rimmer W8KRF

#### **ARRL VE Team:**

Joseph Cebula W8GWD  
Steve Hill NQ8T  
Bill Isenberg K8IC  
Brian Kellison AC8RV  
David O'Connor II KD8MXE  
Joe Oney W8SSE  
Tom Porter W8KYZ  
Jane Reed K8JGR  
Carl Rimmer W8KRF

**Photographer:** Robert Tome W8RET

**Sunshine:** Darlene Ohman KA8VTS

**Parliamentarian:**

Robert Tome W8RET

**K8KRG License Trustee:**

Al Moriarty N8CX

#### **Repeater Upkeep:**

Carl Rimmer W8KRF  
Clark Beckman N8PZD  
Bill Isenberg N8IC  
Tim Allen NC8X  
Tom Porter W8KYZ

# NOARS

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# K8KRG