



# NOARS LOG

VOLUME 52, ISSUE 10

OCTOBER 2016

## SPECIAL POINTS OF INTEREST:

- October 15 DXE and K3LR Field Trip
- Where is Tuvalu?

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## Jane-Waves



NOARS will make you forget about winter sneaking up.

We have an exciting Autumn upon us!

I am anxious to hear about how the ARES Ohio SET Emergency Drill went on October 1st, with its Armageddon-scoped theme stated on page 12.

On a calmer note, don't forget our Day Trip to DX Engineering and the Pennsylvania border Radiosport paradise of Tim Duffy K3LR on October 15th. Page 10 gives you all the information. Please let me know if you are interested so they will know approximately how many will attend.

Dave Kennett W8KFJ, our resident SDR expert will speak at our October 17th meeting. See page 8.

Also, our October meeting will be open for nominations to fill the slate of 2017 NOARS Officers, as loosely outlined (from our outdated Constitution) on page 11. Now is also the time to volunteer to either help on or fill a Chairperson position for the Program, Education, Christmas Banquet or other Committee. This will be my last year as President and the NOARS Log newsletter editor, in order to focus more on sidelined family, health and business demands. I thoroughly enjoyed the experience working with you all this

past year and will remain active on the Board as a Past President.

Page 13 reveals who our speaker will be presenting our meeting program on November 21st. He actually participates in DXpeditions. Too cool!

Consider adding your name to the list of Elmers willing to answer questions other hams may have in your area of expertise. Sign-up info on page three.

NOARS is filled with many interesting people, with varied talents and interests. It is what makes this club strong. Thank you for being a member.

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



# Guglielmo Marconi

**Born:** 25-Apr-1874

**Birthplace:** Palazzo Marescalchi,  
Bologna, Italy

**Died:** 20-Jul-1937

Italian physicist **Guglielmo Marconi** began his experiments when he was barely 20, building on Heinrich Hertz's discovery of radio waves (then called Hertzian waves) in 1888. He was rejected for admission to the University of Bologna, but was mentored by Professor Augusto Righi, a pioneer in electromagnetic waves at Bologna who allowed Marconi to audit classes and access the university's library. In 1895 Marconi transmitted recognizable electronic signals from his family home in Pontecchio to a vertical raised antenna more than a mile away.

Though it seems astounding in retrospect, Italian government officials were uninterested and unwilling to fund his work. Instead Marconi came to England, where his demonstration was greeted enthusiastically by Sir William Preece, Chief Engineer of the Post Office. With funding from Preece, Marconi received a patent for wireless telegraphy in 1896, and the next year he formed the Wireless Telegraph & Signal Company Limited (now Marconi Company Ltd.).

By 1899 his company was providing wireless service between

Britain and France, broadcasting across the English Channel. In 1900 he invented a system of tuned multiplex telegraphy, allow-



ing multiple broadcasts to be sent on distinct frequencies — technology which later became the foundation of 20th century broadcasting. In 1901 he sent signals across the Atlantic Ocean from Europe to Canada and back, proving that radio waves followed the curvature of the earth and establishing that trans-oceanic transmissions were feasible. Though Marconi did not mention it, a key component in his receiving equipment seems to have been appropriated from the work of Indian scientist J. C. Bose.

Marconi was awarded the Nobel Prize in Physics in 1909, sharing the honor with Ferdinand Braun, whose technical improvements greatly increased the range and effectiveness of Marconi's early transmitters. As radio transmission

of telegraph messages and, later, spoken words became more common and popular, Marconi's several international companies made him a very wealthy man, but more and more of his time was consumed in legal battles, defending his patents against Lee De Forest and John Ambrose Fleming, among others. In 1919 US Navy officers expressed concern that an Italian conglomerate was gaining a near-monopoly on worldwide communications, and offered General Electric a lucrative, legal monopoly on long-distance radio communication if it would form a new radio company and buy the assets of the Marconi Wireless Telegraph Company of America. This proposal led to formation of the Radio Corporation of America (RCA) and drove Marconi out of the American market.

Though his genius and contribution to the development of radio are inarguable, it is a misnomer to label Marconi "the inventor of radio". In 1866, a Washington DC dentist and electronics enthusiast named Mahlon Loomis had transmitted radio signals between two mountaintops 15 miles apart. In 1885 American physicist Amos Dolbear patented a wireless telegraphy system very similar to Marconi's, similar enough that Marconi had to purchase the patent to establish his American subsidiary.

# Calling All Elmers



Well, the call went out for Elmers and our members answered. There isn't a ham out there that hasn't sought advice from a friend. That is what is great about this hobby, people willing to share their expertise and experience with those who want to learn.

Here is the inaugural list of members willing to go on record as being willing to help with questions that a fellow ham may have. We've kept their telephone numbers and email addresses from displaying on the web, however they have given permission to let us give contact information out to members that seek technical, operational, license-related or ham organization-type answers. Just email [NOARS@NOARS.net](mailto:NOARS@NOARS.net) for their contact info.

Tom Porter	W8KYZ	Various
Dave Kennett	W8KFJ	Software Defined Radio (SDR): shack setup, etc.
Carl Rimmer	W8KRF	Yaesu System Fusion, Wires-X
Jane Reed	K8JGR	Exam Preparation (All), Solar Power

Are YOU willing to reach out to new hams or old-timers that have an insatiable appetite to learn new things about amateur radio? If so, drop a line to [K8JGR@ARRL.net](mailto:K8JGR@ARRL.net) and we will add you to the list of Elmers.

# September Meeting Minutes

## Minutes of the September 16th, 2016 General Meeting

Submitted by Tom Dolan KE8CWF, Secretary

The meeting came to order at 7:00pm, 19 Members and Guests present.

**Secretary's Report:** President, Jane K8JGR called for a motion to suspend the reading of the July 18th minutes as published in the August *NOARS Log*.

- Motion – Bob KM4REO, Second – Mark K8WON  
Discussion: None  
Corrections: None  
Approved as on the website. Motion carries by majority vote.
- There being no official meeting in August, replaced by the NOARS' Picnic, there were no August minutes.

### Treasurer's Report:

- Tom W8KYZ gave the Treasurer's Report.
- Motion - Mark K8WON, Second - Clark N8PZD
- Discussion: None
- Motion carries by majority vote, report approved as read.

### President's Report:

- President reviewed the Picnic in August, thanking everyone for their participation.
- President asked if anyone had heard about Bob, W8RET, and Tom W8KYZ reported that Bob has had a procedure which is currently recovering from. Clark, N8PZD volunteered to bring a Get Well card to the Cleveland Ham Fest on the Club's behalf.

**Old Business:** There being no old business, new business was called.

### New Business:

- **Christmas Party:** President asked whether anyone was interested in volunteering to help with December Banquet to be held on December 3rd, 2016. New venue suggestions, dinner program of Reverse Raffle or other entertainment would be appreciated. She was going to call Mulligan's Pub and Grill to see whether the venue is affordable for the December Banquet.
- **Filling Vacant Secretary Position:** Since Tom Dolan N8CWF has been Acting Secretary, the President announced that nominations for the position of Secretary are open. One candidate, Tom Dolan N8CWF was nominated by Chet K8KIZ. Mark K8WON made a motion that a vote be taken. The motion was seconded by Gary KD8VIQ, and passed by unanimous vote. It shall be known that Tom Dolan N8CWF is officially, Secretary of the Northern Ohio Amateur Radio Society through the end of 2016.

### Announcements:

- President K8JGR announced that the club was invited to a field trip on the 15th of October by Tim Duffy to DX Engineering and the PA border to see his antenna farm. A sign-up sheet is available.
- She also announced that DX Engineering paid for 12 months of advertising in the NOARS Log newsletter for 2017.
- Jane announced that she had attended a Solar Power Workshop. She will be attending a five day workshop sponsored by the Electronic Technicians' Association, which is open to any members interested in attending for a fee. An exam will be administered to certify participants as an Photovoltaic Installer PVI) Level I.
- Clark N8PZD announced that he had Square D, DC breakers available for anyone interested in setting up a Solar array.
- Jane also asked if there were any experienced hams interested in willing to "Elmer" hams in need. A sign-up sheet is available. Elmers' names, call signs, and areas of mentoring would be listed in the NOARS Log newsletter.

### Adjournment:

Motion – Gary KD8VIQ, Second – Bob KM4REO, and passed by a simple majority vote.  
Meeting adjourned at 7:23pm.

**50-50 Raffle:** Winner, Dan Kutchin K8AGW.

**Program:** Chet K8KIZ has experience in radio broadcast engineering, having worked in several locations, a ham for over 20 years, and incredibly knowledgeable. Chet gave a speech on Emergency Antennas.

*If there are any errors or corrections to the minutes, please mention during the next General Meeting*

# NOARS Sponsors

## The DX Engineering Retail Showroom

More products on the shelves—get hands-on with the newest radio gear!



**Plus:**

- Friendly service
- Expert tech advice from active Hams
- Open-box deals
- Free product brochures
- Easy return processing

***In-person customer support***

9 am to 5 pm, Monday-Friday  
9 am to 2 pm, Saturday

***The DX Engineering Retail Showroom***

Inside the Summit Racing Retail Super Store  
1200 Southeast Ave., Tallmadge, Ohio

*Open from 9 am to 9 pm, seven days a week*



Please support these businesses

# R&L Electronics

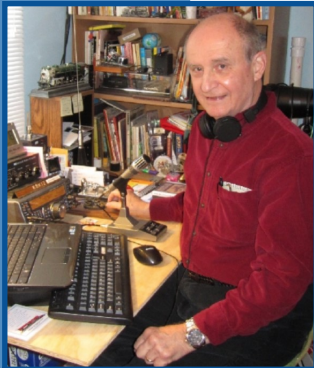
1315 Maple Ave HAMilton, Oh 45011  
<http://randl.com> email [sales@randl.com](mailto:sales@randl.com)

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

800-221-7735

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

## Past Program



Chet K8KIZ

Chet K8KIZ's **September** program dealt with two of his homebrew antennas that are designed to get the ham on the air in an emergency situation.

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.

The first antenna was a design by the EARC (Emergency Amateur Radio Club) of Hawaii. They have an assembled kit they will sell you for around \$50.

The second antenna was based on the famous/infamous SLV (St. Louis Vertical).

As usual, Chet provided us with a clear, informative presentation. **If you would like a copy of his PowerPoint slides**, go to our NOARS.net website and click on "Education" for the link.

Thank you, Chet. We always enjoy your enthusiasm and prowess.

## Roll Call: September Meeting

### 19 Members and Guests in Attendance:

K8AGW \* K8HRD \*  
K8JGR and Kevin \*  
K8KIZ \* K8WON \*

KB8WUA \* KD8RNF \*  
KD8VIQ \* KE8CWD \*  
KE8DIF \* KM4REO \*  
KY8OSU \* NC8X

\*N8CWF \* N8PZD \*  
W8KFJ \* W8KRF \*  
W8KYZ



## Call Signs Heard on NOARS Nets

### September 2016 Tuesday & Thursday Nets

K3KGX - K8AGW - K8IC  
K8ME - K8WON -  
KB8ORE - KB8ZUN -  
KD2HCE - KD8MXE -

KD8OCW - KD8PHL -  
KD8RNF - KD8TFG -  
KD8VIQ - KD8VTX -  
KE8CWD - KM4REO -  
KY8OSU - N8CWF -  
N8CX - - N8UUC -

N8WS - N8XNV - NC8X  
NQ8T - W1AFC -  
W8BHI - W8GWD -  
W8KRF - W8KYS -  
W8KYZ - W8RET -  
WB8UPA

## ARRL Now Offering New “Radio and Wireless Technology” Patch Program for Girl Scouts

Girl Scouts can learn fundamentals of radio communication and wireless technology and take action in their communities to apply communications to connect people, provide safety, and explore related careers.

- Learn the fundamentals of wireless communication
- Explore radio science through hands-on learning with Amateur Radio
- Use radio communication to talk around the world and for public service and safety
- Learn how wireless technology is used in everyday life and in careers

As part of this program, Girl Scouts will have the opportunity to learn about Amateur Radio (also known as “ham” radio) and do hands-on activities with Amateur Radio. They can also learn about broadcast radio, emergency and public service communications, and explore ways wireless technologies are used in everyday life and in the workplace.

They will be encouraged to take on activities that engage, educate, and empower them and kindle an interest in Science, Technology, Engineering, and Math (STEM) subjects and careers.

The program supports the Girl Scout Leadership Development Program by enabling the following goals for girls:

- **Discover**— Explore the natural world to learn about radio communications and wireless technologies.
- **Connect** — Use knowledge of wireless technology to understand its capabilities and its limitations. Be an informed citizen who understands how wireless technologies are regulated and used.
- **Take Action**— Make a difference in their communities by making friends through radio contacts, providing public service and emergency communications, and raising awareness of career opportunities.

*06/14/2016 ARRL Education Services*



# October 17 Program



Dave W8KFJ

For our October Membership Meeting Program, our very own Dave Kennett W8KFJ, who is a self-proclaimed "Certified SDR Nut," will compare and contrast four very different SDR transceivers while opening the floor for discussion.

For those of you who picked up his handout at our September meeting, you will note that the transceivers to be discussed are the: Flex 6000 Series, Apache Labs, Elad FDM-DUO and the Icom 7300.

If you would like a copy of

Dave's handout before the October meeting, contact K8JGR@ARRL.net.

Dave will highlight the differences in software, hardware configurations and operating characteristics of each.

Software Define Radio is the wave of the future and is a fluid technology—speedily changing since its inception.

Keep up with the latest SDR advances by attending what promises to be an enlightening technical session by our in-house SDR guru.

See you there!



Flex 6000



Apache labs



Elad FDM-DUO



Icom 7300

## March Hamfests & Contests & Events

### Conneaut ARC Hamfest

10/16/2016

**Location:** American Legion Post  
272 Broad Street, Conneaut, OH 44030

**Website:** <https://www.facebook.com/events/1109527472432186/>

**Talk-In:** 147.39 (PL 131.8)

**Public Contact:** Michael Anderson W3MJA  
1844 Dee Jay Avenue Erie, PA 16510

**Phone:** 814-384-0443

**Email:** [w3mja@yahoo.com](mailto:w3mja@yahoo.com)

### Massillon ARC Hamfest

10/23/2016

**Location:** Massillon Boy's and Girl's Club  
730 Duncan Street SW  
Massillon, OH 44646

**Website:** <http://www.w8np.org>

**Talk-In:** 147.18 (PL 110.9)

**Public Contact:** Terry Russ N8ATZ  
3420 Briardale Drive NW Massillon, OH 44646

**Phone:** 330-837-3091

**Email:** [truss@sssnet.com](mailto:truss@sssnet.com)

### 2016 Kalamazoo HamFest and Amateur Radio Swap & Shop

10/16/2016

**Location:** Kalamazoo County Expo Center, 2900 Lake Street, Kalamazoo, MI 49001

**Website:** <http://www.kalamazoohamfest.com>

**Sponsor:** Kalamazoo Amateur Radio Club & Southwest Michigan Amateur Radio Team

**Talk-In:** 147.040 (PL 94.8)

**Public Contact:** Jeff Belknap N8RWS, PO Box 33 Richland, MI 49083, **Phone:** 269-205-3560

**Email:** [N8RWS@W8VY.org](mailto:N8RWS@W8VY.org)



# October Calendar

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

**K8AET + N8CWF + WB8UPA + KDHCE + W0KM**

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!

**October 17 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.

**Free raffle for NOARS caps.**

**November 21, 2016 Program:**

We are excited to host DXpeditioner, **Dean Lioli KW7XX**, presenting, **“What It Takes to Plan a Successful DXpedition.”** This is sure to be an exciting presentation.

**More info on page 13.**

## October 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31					1
2	3	4 10M Net 8p NCS: W8KYZ	5 BRTN 9:30p	6 2M Net 8p NCS:KD8VTX	7	8
9	10	11 10M Net 8p NCS: NC8X	12 BRTN 9:30p	13 2M Net 8p NCS:N8CX	14	15 DXE &K33LR Field Trip
16 VE Testing ARC	17 NOARS Meeting 7pm	18 10M Net 8p NCS: NQ8T	19 BRTN 9:30p	20 2M Net 8p NCS:W8RET	21	22
23	24	25 10M Net 8p NCS: NC8X	26 BRTN 9:30p	27 2M Net 8p NCS:W8RET	28	29

*"The sweet calm  
sunshine of  
October, now  
Warms the  
low spot; upon  
its grassy mold  
The purple oak-  
leaf falls;  
the birchen  
bough  
drops its  
bright spoil like  
arrow-heads of  
gold."  
William Cullen  
Bryant*

# Club Day Trip

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



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

Please indicate whether you will offer or need carpooling

#### Attending So Far:

- Dan K3KGX
- Dave W1AFC
- Bob KM4REO
- Tom W8KYZ
- Jane K8JGR
- Kevin Reed
- Dave W8KFJ
- Dave KY8OSU
- Leon KB8WUA

# From the Board - 2017 Nominations

## Nominations

- a. Nominations for office shall take place at the **October business meeting**.
- b. As the first item under new business the President shall cause the meeting to be open for nominations and shall first recognize the chairman of the nominating committee, who will then present the committee's slate of nominees. The Secretary will record the slate, having no objections from the members present.
- c. The President will then open nominations from the floor, one office at a time, and at completion the names of those nominated shall be added to the slate presented by the committee. Nominees from the floor must meet the requirements previously defined and must agree to run prior to printing ballots.
- d. The Secretary shall then read the total slate. If there is no objection the President will close the nominations.
- e. The Secretary will publish in the next newsletter the complete slate of nominees

## Balloting Procedure

- a. At the October business meeting the President shall appoint an election committee, consisting of not less than four or more than seven members, whose duties shall be to prepare, email to membership, collect, verify identity and tally ballots. This committee is automatically dissolved when the election is finalized.
- b. An election ballot will be created and attached to the November newsletter and posted on the NOARS website making it available to each voting member. The election ballot will contain the following information:
  - 1) All officer positions
  - 2) Nominees listed for each position
- c. Election ballots will be accepted in one of the following ways:
  - 1) Sealed in in an unmarked envelope. The unmarked envelope will then be placed in an addressed envelope with the members call printed on the inside of the envelope and mailed back to the election committee.
  - 2) Present it to the election committee in person at the November business meeting.
  - 3) Completion of the online ballot on NOARS website.
- d. The election committee will make a final pickup of ballots from the predetermined postal address on the day of the regular business meeting in November as late in the day as is practical. **NO FURTHER MAIL-IN BALLOTS WILL BE ACCEPTED.**
- e. Any member not wishing to mail in his ballot may turn it in to the election committee at the November business meeting. Those members who do not have email access will have an election ballot made available to them at the November business meeting.
- g. It is the responsibility of the election committee to verify that each member only casts one ballot.
- h. The first order of business, under new business, at the November meeting shall be the final call for ballots by the election committee. After all ballots are received the chairperson shall declare that voting is officially over. No further ballots will be accepted.*



## ARES

### Ohio SET October 1

October 1st was the Ohio SET - an emergency exercise that was supposed to test all our abilities to activate, manage an emergency event, then demobilize. Last year's "extended power outage" was a great test...but ~this~ year's! O'boy! NOT your Mama's little exercise. Our ARES leadership team went into overdrive for this one.



This year's theme was "The total collapse of society! Preppers call it TEOTWAWKI – The End of the World as We Know It." This was going to test our abilities to message, react and manage many situations. And we weren't alone- the Ohio Military Reserve became a partner for our exercise, and they did a military exercise based on the situation.

*Scott Yonally N8SY, ARRL Ohio Section Manager*

## MARS Exercise

An Amateur Radio-military interoperability exercise will take place October 31 and November 1. The event will begin at 1200 UTC on October 31 and continue through 2359 UTC on November 1 on 60 meter channels 1-4 —5.3305 MHz, 5.3465 MHz, 5.357 MHz, and 5.3715 MHz, respectively.

During this exercise, military stations will attempt to make radio contact with stations in as many of the 3007 US counties as possible. Radio amateurs providing "county status" information will receive a US Department of Defense "interoperability QSL card."

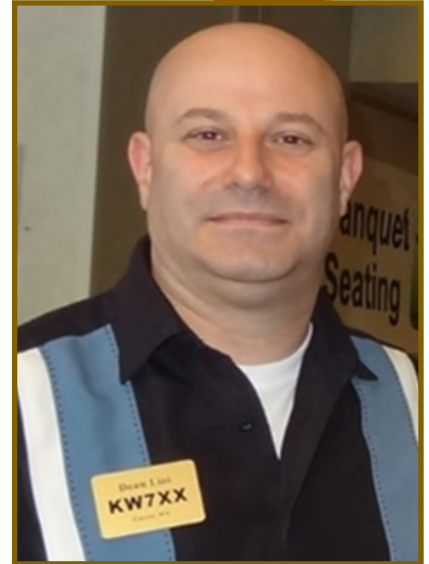
For more information, contact the Military Auxiliary Radio Service (MARS).

# November 21st Program - DXpeditioning

Thanks to Mark K8WON, we heartily welcome NOARS member, **Dean Lioli KW7XX**, as our speaker for the November 21st, NOARS Membership Meeting.

A RF Junkies' Charter Member, Dean is a DXer, contester and a DXpeditioner. He is originally from Cleveland, Ohio and now resides in the small town of Custer, Washington, located 100 miles north of Seattle along the border with British Columbia.

Dean was the Team Lead for T32RC to Eastern Kiribati in 2013 and Co-Leader of the 2015 T2TT operations in Tuvalu and 3D2RJ Fiji.



Dean KW7XX

There was another DXpedition to Tuvalu from September 27th through October 4th, 2016, activated as T2R.



Deans favorite mode is PHONE. However, he does operate RTTY and CW as well. He enjoys the challenges of operating from remote locations. His favorite aspect of DXpeditioning is the teamwork and camaraderie that

is needed to be successful.

Of course the excitement of "being the DX" is another big draw.

Other calls Dean has held or operated are KB8VQB, KG8RU, T32RC, T2TT and 3D2RJ.

Dean's program will sure to be a hit. Call your friends, your co-workers, your family, your ham buddies and let them know. Shout it from the top of the nets! Open to all. *Bio was extracted with permission from RF Junkies websites*

# For Sale



Bencher BY-1 Key \$60.00



Drake TV-42-LP Low Pass Filter \$5.00



Pyramid PS-14KX 12amp Power Supply \$30.00



Yaesu YSK-7800 Separation Kit New in box. \$30.00



WWII ANB-H-1 Cushioned Headphones \$30.00

Battery Float Charger with AC adaptor \$3.00

VOCOM Telescoping HT Antenna \$3.00

**Tom W8KYZ**  
**440.930.9115**

Clifford Industries Power Supply .3amp \$5.00

*All Ad Submissions must be sent to noarslog@noars.net or to: NOARS Log 161 Herrmann Drive Avon Lake, OH. 44012 The deadline for submissions is the third Tuesday of each month. All must include: asking price, sellers name, call sign and phone number. Ads from current NOARS members (or paid advertisers) will have priority on a space available basis! Notice: all ads will be removed (unless updated) after three months (as space is needed)! NOARS reserves the right to refuse ads.*

**YOUR AD HERE FOR FAST RESULTS!**

# 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.*



SSO ... SSO ... SSO ...  
I wonder what that means?



### 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:** 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  
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Bill Isenberg N8IC  
Tim Allen NC8X  
Tom Porter W8KYZ

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