



NOARS LOG

VOLUME 52, ISSUE 11

NOVEMBER 2016

SPECIAL POINTS OF INTEREST:

- Mark K8WON
- DXpeditioning
- December Banquet Reservations

INSIDE THIS ISSUE:

| | |
|------------|----|
| Spotlight | 2 |
| K3LR | 3 |
| October | 4 |
| Minutes | 5 |
| Sponsors | 6 |
| KW7XX | 7 |
| ARRL CEO | 8 |
| November | 9 |
| Nominees | 10 |
| Banquet | 11 |
| For Sale | 12 |
| Solar Roof | 13 |
| Drones | 14 |
| ARRL | 15 |
| Who We Are | 16 |

Jane-Waves



November is the month of giving thanks.

We thank Tim Duffy for our club tour of DXE and his incredible K3LR Radiosport paradise in Pennsylvania. It was a beautiful day for a road trip and on the drive home we all had visions of sprawling antenna farms growing in our own backyards!

Thank you to all who make NOARS a great club. Our slate of 2017 Officers include Clark Beckman N8PZD- President, Dave Fisher KY8OSU- VP, Tom Porter W8KYZ- Treasurer, and Tom Dolan N8CWF - Secretary. Congratulations! The vote will be finalized at our Novem-

ber membership meeting.

The Board, per our Constitution, is made up of the aforementioned elected Officers and Past Presidents Carl Rimmer W8KRF and me, *in addition to one* of the following: Past VP Al Moriarty N8CX or one appointed member of the President's choosing.

On an urgent note, unless someone volunteers or Clark takes over (like most area Ham Club Presidents do), the NOARS Log newsletter will cease publication. Please contact Clark if you are interested.

Basic understanding of Microsoft Word will be sufficient to keep it going. If the current newsletter format is preferred, I can make availa-

ble the Microsoft Publisher templates.

We also give a big "Thank You" to Dean Lioli KW7XX, who will be presenting the November Membership Meeting program on the topic of DXpedition Preparation. Be sure to get the word out on the nets and rag chews to invite all to attend what promises to be a very exciting evening.

"May we each be thankful for the friends that surround us, the trials that strengthen us, the work of our hands, and the joy in our lives."

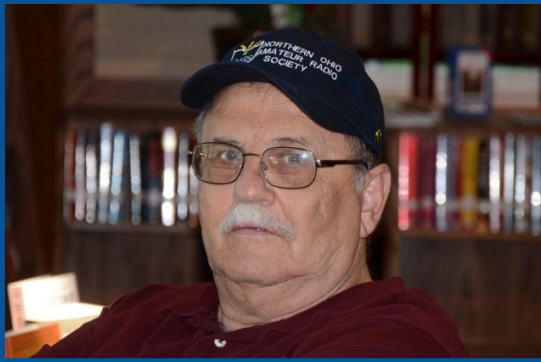
© Rotary - Shawn L Bird

73,

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



Member Spotlight - Mark K8WON



Name, Call Sign, License:
Mark Lewis, K8WON, Extra Class licensee.

How long have you been a ham?

Four years. I passed my Technician Exam in February of 2014, General in May 2014 and Extra in May of 2016.

How long in NOARS?

Four years.

What/who got you interested in amateur radio?

Dan Kutchin K8AGW and Bob Sull W8IMO.

Family Members who are hams?

Dan KA8AGW is my brother-in-law and Bob Kutchin K8AGV(SK) was my father-in law. After his passing, my

nephew Charlie Kutchin took on the K8AGV call sign.

What modes of operation do you like best?

20 and 40 meters phone.

Awards, activities, nets?

I really enjoy checking in to the affectionately named "Russ and Johnny Show," an informal net which continues to this day in memory of Johnny K8RWR (SK). Russ WB8UPA and the rest of us meet around 9pm on NOARS' 146.700 except for Wednesday night when we move to Parma Radio Club's 145.410 . It is a fun-time rag chew, open to all.

Current projects?

Working on getting a 10 meter antenna up.

What line of work were you in?

I was a machine operator at General Motors working on drive shafts and transmissions.

Other Hobbies?

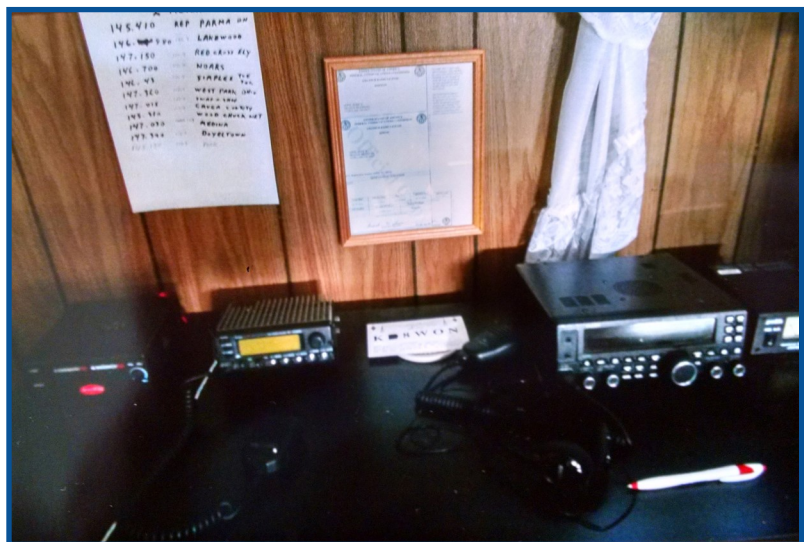
Used to collect US and foreign stamps. I also have a pocket knife collection.

What do you like about NOARS?

I enjoy all the different things that NOARS has to offer.

Favorite rig(s)?

Yaesu FT-450D for HF and an Icom IC-2000, 2-meter mobile radio.



K3LR Field Trip Memories

Many thanks to DX Engineering personnel, Teri Grizer K8MNJ and Bob Naumann for the friendly, October 15th morning tour of the store - complete with a bag of goodies! The afternoon tour of Tim Duffy K3LR's radiosport facility in western Pennsylvania was nothing short of awesome! Tim was a gracious host and all NOARS attendees had a great time. DXE rocks!



Tim Duffy K3LR



WOW!





Dave W8KFJ

Past Program

Our October program featured our resident SDR guru, Dave Kennett W8KFJ who compared and contrasted four very different SDR transceivers: Flex 6000 Series, Apache Labs, Elad FDM-DUO and the Icom 7300.

Dave enthusiastically explained the differences in software, hardware configurations and operating characteristics of each and willingly addressed questions from attendees.

Contact Dave if you would like a copy of his detailed handout.

NOARS is fortunate to have so many knowledgeable members like Dave who are willing to share their expertise with us.

Roll Call: October Meeting

24 Members and Guests in Attendance:

K8AGW * K8JGR *
K8KIZ * K8WON *
KA8VTS and Debbie *

KB8ZUN * KD8RNF *
KE8BRC * KE8DIF *
KF8PM * KM4REO *
KY8OSU * N8CWF
N8PZD * W1AFC *

W8KFJ * W8IMO *
W8KRF * W8KYZ *
W8NNC * W8RET *
W8WLI * WD8CCZ



Call Signs Heard on NOARS Nets

October 2016 Tuesday & Thursday Nets

K3KGC/8 - K8AGW -
K8KIZ - K8RTR - K8RWC
KA8BPU - - K8WON -
KB0MLT - KB8TK -
KB8WUA - KC8ESG -

KC8NOV - KD2HCE -
KD8PHL - KD8RNF -
KD8TFG - KD8TJD -
KD8VIQ - KD8VTX -
KD8WYL - KE8ETO -
KE8NN - KE8CWD -
KF8PM - KM4REO -
KY8OSU - N8CWF -

N8CX - N8FND -
N8UUC - N8WS -
N8XNY - NC8X -
W1AFC - W8BHJ -
W8GTS - W8KRF -
W8KYS - W8KYZ -
W8RET - W8TAB -
W8UPA

October Meeting Minutes

Minutes of the October 17th, 2016 General Meeting

Submitted by Tom Dolan N8CWF, Secretary

The meeting came to order at 7:00pm, 24 Members and Guests present.

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

- Motion – Bob KM4REO, Second – Tom W8WLI
Discussion: None
Corrections: None
Approved as on the website. Motion carries by majority vote.

Treasurer's Report:

- Tom W8KYZ gave the Treasurer's Report.
- Motion - Bob KM4REO, Second - Tom W8WLI
- Discussion: None
- Motion carries by majority vote, report approved as read.

President's Report:

- President reported that ARES as well as several other organizations had participated in an Emergency Communications drill simulating a collapse of all economic and communications systems. Tom, N8CWF provided further details and reported that the drill was an apparent success.
- President encouraged all to attend the November Membership meeting where Lean Lioli KW7XX will share his experiences DXpeditioning.
- Girl Scouts introduced a new patch for Radio and Wireless Technology.
- President also reported on the Tim Duffy K3LR/ DX Engineering day trip, citing that it was very informative and a raving success.

Committee Reports:

- **Repeater Report:** Carl W8KRF reported that the internet connection has been down for about a month, but he will attempt to get on-site soon to troubleshoot the problem.
- **Net Report:** Bob W8ET reported that nets were doing well. The ten meter net could use some more participation, so fire up those 10M rigs!

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

New Business: President mentioned that the nominations for the election of officers needed to be floored. The nominations were moved and accepted. There was then a motion to close the floor made by Bob KM4REO, seconded by Fred KA8S. The motion carried by majority vote.

The nominees for 2017 NOARS Officers are: President: Clark Beckman N8PZD;
Vice President: David Fisher KY8OSU; Treasurer: Thomas Porter W8KYZ; and Secretary: Tom Dolan N8CWF.

Adjournment: .

Motion to adjourn – Carl W8KRF, Second – Bob W8RET, and passed by a simple majority vote.
Meeting adjourned at 7:23pm.

50-50 Raffle: Winner, Clark N8PZD, 1/2 \$14.00.

Program: Dave Kennett W8KFJ: Comparing Four SDR Rigs.

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

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

800-221-7735

Daily Specials at www.randl.com

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.

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.

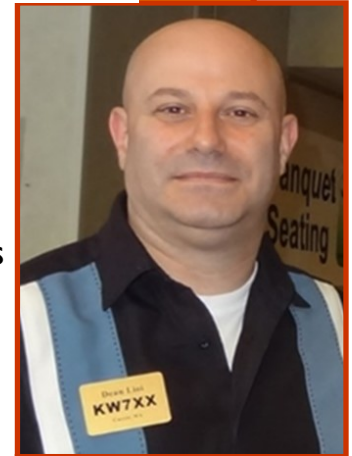
Other calls Dean has held or operated are KB8VQB, KG8RU, T32RC, T2TT and 3D2RJ.

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*

+++++

Held 7:00pm sharp on November 21st 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. Call Jane/ K8JGR 216-570-8500 for more info.



Dean KW7XX



Congratulations

Welcome to our new members: **Angela Lasko KD8MUW** and **Gary Lasko KD8KAA** both Techs from Elyria, and **Gary (Kim) Jenkins KE8EVS** an Extra from Spencer.



Meet ARRL Chief Executive Officer, Tom Gallagher, NY2RF

From: MCARC Mercer County Amateur Radio Club Inc. PO Box 996 Sharon, PA 16146

All radio amateurs are invited to attend:

The Mercer County Amateur Radio Club invites your club members for a special evening with the American Radio Relay League (ARRL) Chief Executive Officer, Tom Gallagher, NY2RF. Tom will speak at the Pennsylvania State University Shenango Campus Auditorium on Wednesday, November 9th at 7 pm.

He will take questions after his prepared speech.



The ARRL is the national association for amateur radio founded in 1914 with more than 165,000 members.

NY2RF recently became CEO of the ARRL a few months ago. This is a big event for our area and we are honored to have NY2RF visit and share his vision for the League and Amateur Radio.

MCARC is inviting all radio amateurs within a 100 mile radius of Sharon, PA. We especially hope your club members can join us.

Penn State Shenango is located at 147 Shenango Ave, Sharon, PA 16146

This will be a special night for Amateur Radio. We look forward to seeing you and your club members.

Tim Duffy, K3LR
President of the Mercer County Amateur Radio Club

November Calendar

Happy November Birthday to the following members:

K8RWC + KA8VHI +
 KC8ATR + KE7CJI + KE8CTB
 KE8DIH + KE8EVS + N8RVE
 W8KRF + W8OJM +
 WA8ERA

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!

November 21 General Membership Meeting:

Held 7:00pm sharp 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.

December 3, 2016:

Holiday Banquet

See Page 11

November 2016

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

“October extinguished itself in a rush of howling winds and driving rain and November arrived, cold as frozen iron, with hard frosts every morning and icy drafts that bit at exposed hands and faces.”

J.K. Rowling, Harry Potter and the Order of the Phoenix

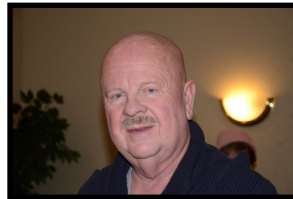
From the Board - 2017 Nominations

2017 Nominees

President: Clark Beckman N8PZD



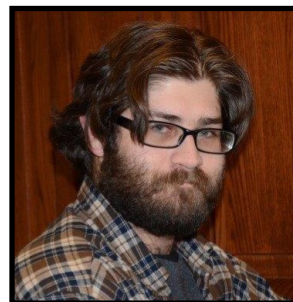
Vice President: David Fisher KY8OSU



Treasurer: Thomas Porter W8KYZ



Secretary: Tom Dolan N8CWF



November Membership Meeting

Since the slate is comprised of candidates running without opposition, we will have a simple voice (i.e., viva voce) vote to finalize the election of officers.

December 3rd NOARS Banquet



It's time to make your reservations for the Christmas Banquet at **Sugarcreek Restaurant**, 5196 Detroit Rd, Sheffield Village, Ohio, held on **Saturday, December 3, 5:30pm to 8:30pm**. Cost is **\$18.50 each**.

Reservations should be made with Tom W8KYZ by November 28th, with payment by check to NOARS, 161 Hermann Drive Avon Lake, Ohio 44012. (Note that a cash bar for beer or wine will be available at Sugarcreek, since this year BYOB will *not* be allowed.)

NEW THIS BANQUET!!!

BRING to the dinner one WRAPPED White Elephant Gift to exchange.

Cheap, silly, new, nice, used, funny or useful!

(You really don't want to keep that pink flashlight, do you?)

Names &
Call Signs: _____

Menu Selections:

Number of Meals

Number of Meals



Roast Turkey

Marinated

Chicken Breasts

Roast Beef

Broiled Scrod

Ham Steak

Chicken Parmesan & Spaghetti

Breaded Pork Chops

Beef Tips & Noodles

All dinners include beverages, mashed potatoes & gravy, stuffing, vegetable, salad bar and rolls.

Reservations should be made with Tom W8KYZ **by November 28th**, with payment by check to NOARS, 161 Hermann Drive Avon Lake, Ohio 44012.

Number of Meals: _____ X \$18.50 = \$ _____ enclosed.

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

Elon Musk's New Solar Roof and Powerwall 2

Tesla and SolarCity announced their new Solar Roof. Unlike other solar systems that must be mounted on top of a traditional roof, these new panels are actually integrated within glass roof tiles, replacing a home's roof.

Because they're made of glass, Musk says, they'll last "quasi indefinitely," even in harsh conditions where snow and ice make short work of traditional asphalt shingles. Musk said 50 years of life span should be no problem, and they offer efficiency that's 98 percent as good as a traditional, ugly photovoltaic panels.



And perhaps more impressively, they look much, much better. The glass tiles are available in four looks, each replicating a standard style: textured, slate, Tuscan and smooth glass. The Tuscan in particular looks remarkably like the real thing.

Musk also unveiled Powerwall 2, a new version of the company's residential home battery. It's bigger and boxier than before, and more expensive too at \$5,500, but it packs 14 kWh of capacity. Musk says that if you combine a Powerwall 2 with a Solar Roof, you could go "indefinitely" without pulling any power from the grid.

This marks the beginning of tighter integration between Tesla, previously only really concerned with automotive pursuits, and SolarCity, another Musk property. Musk announced the plan to bring SolarCity into Tesla back in June, a \$2.6 billion deal that was received with skepticism by most.

According to Musk, the two companies will help us cover our generation, storage and usage needs, and tonight we see the beginnings of that, with one system that generates electricity from the sun and then deposits it in your electric car, storing it within a Powerwall battery unit in the interim.

How many decades will it take to make up for the price differential between this and a standard roof?

No pricing was given for Solar Roof, beyond promises that it will cost no more than a new traditional roof "plus electricity." The missing factor in that equation, of course, is time: How many decades will it take to make up for the price differential between a standard roof? Still, given you won't need a traditional roof beneath, this should offer substantial cost savings over traditional photovoltaic systems -- assuming you need a new roof.

Those tiles should go into production in the summer of 2017, and will initially be very limited, "one or two homes" Musk indicated. Availability will start in California, and spread from there. Powerwall, meanwhile, goes into production this December.

It'll likely be years before you can reasonably expect to apply both to your house, but if you're dreaming of moving off the grid, better get to saving.

Road/Show by CNet, Tim Stevens, 10/28/2016

TECH INSPIRED BY NIKOLA TESLA

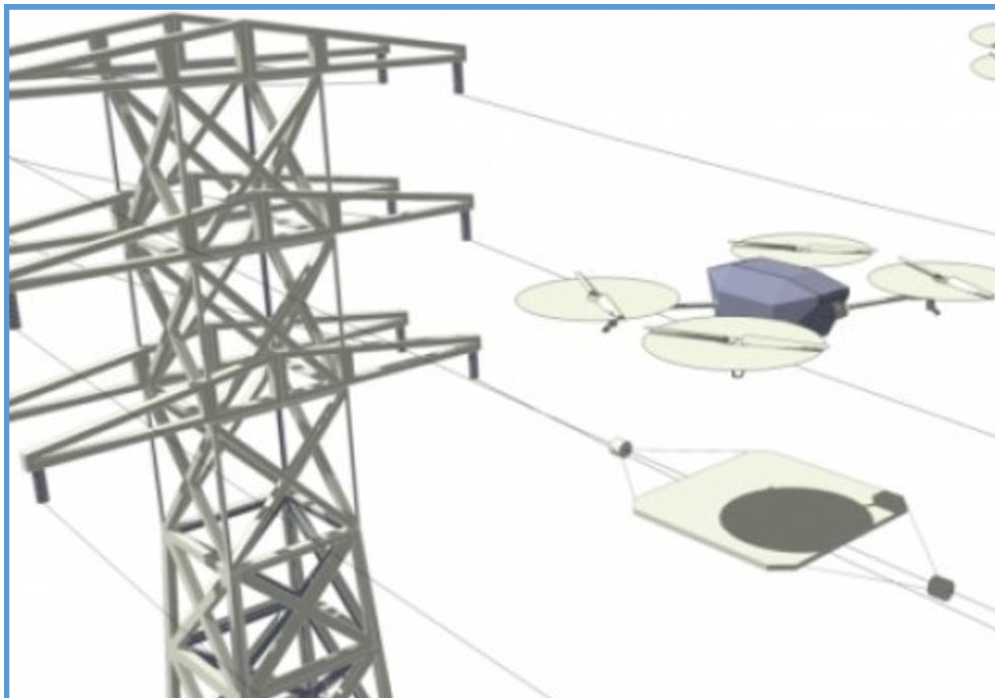
IMAGINE FLYING ROBOTS THAT NEVER HAD TO LAND, EVER

By Kelsey D. Atherton, *Popular Science*, October 21, 2016

Everything that flies must eventually land. Unless, say, it's an all-electric drone that can recharge while in flight. Researchers at Imperial College London have demonstrated a way to transfer electricity wireless to a flying drone. Even better: they did so building on a concept pioneered by Nikola Tesla.

Removing the battery from an off-the-shelf drone, the researchers attached a copper ring to the drone's electronics. Then, a transmitter on the ground connected to a power supply made a magnetic field. When the drone flew into the field, hovering at a distance of no more than 4 inches above it, it was able to draw power from that field, and convert it into direct current to power the small flying machine.

The technology is still constrained by the narrow gap between drone and charger; 4 inches away from the charger is better than being plugged into it, but it's not a ton of space. Still, the team at Imperial College London seems confident in the results, floating concepts for drones that charge over power lines, drones that charge other drones, and even inductive charging stations that can land on Mars to recharge tired robotic rovers. There's also concept art for a military vehicle that can charge ground robots under a hatch in the back and keep drones powered through a charger on the roof. It's an electrifying vision of the future, where robots stay in the sky for as long as there's a close enough power station nearby to keep them charged.



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.



CQ CQ CQ CQ,
Transylvania,
CQ CQ CQ CQ!



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

2016 Elected Officials

President: Jane Reed K8JGR
V.P. Dave Fisher KY8OSU
Treasurer: Thomas Porter W8KYZ
Secretary: Tom Dolan N8CWF

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

is

K8KRG