



# The QUARAE



Volume 17 Issue 11

November 2016



## Ramp Complete 99%

The ramp is built. We now have handicap access at the Wagner Road Clubhouse. There is still some work to be done. We need to put metal rails on the ramp and we need to lay blocks down at the



entrance which will be done next spring. Hams who worked on the project are Doug Sweet AD4UL, Gene Brinig K3JZL, Rick Cutter WA3MKT, Adam Kerohan KB3THU, Gretchen



Miller KB3UWK and Joe Ponchak KA3CPV

Scouts that worked on project are Tony Damore, Mitchell Varo, Jack Kaulis, Zachary Hart and Louis Scouten. Scout leaders were Rob Damore, Sara Hart, Mike Buckholtz, Lucy Lenhart, and Dean Morehouse (post hole digger tractor). Jake's friends (not scouts) were Nick Varo, Riley Vaughn, Matt Cannon and Tom Payton. Jake's dad, Doug, was the one who scraped and moved dirt with the little Kubota tractor. The Eagle Scout "to be" is Jake Lenhart. The groups worked mostly Sundays for the last two months.

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I'm supposed to respect my elders, but now a days it's getting harder and harder for me to find one.

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# Prez Says

We made it back to Melbourne, FL safe and sound. It was an easy trip. We did see some Hurricane Matthew damage in South Carolina along I-95, lots of water, downed trees and a couple of billboards blown down, but there were no detours or delays. We had no damage at our house, but some damage in the area. Mostly wooden fences and trees, now piled up in front of the houses. The worst damage was along the rivers with torn up boat docks and along the ocean beaches that were washed away. Parts of A1A highway were damaged from storm surge. Everyone is just happy that the storm stayed off the coast as far as it did.

Because of the storm the Melbourne Hamfest, sponsored by the Platinum Coast Amateurs Radio Society PCARS, was delayed two weeks so I was able to attend the fest and volunteer to park cars on Friday and Saturday. It was mostly used equipment and computers, no big name dealers, but it was well attended. Looking forward to the Orlando HamCation coming up in February, hopefully I will see some of the folks from Erie.

The wood portion of the handicap ramp at the clubhouse was finally finished on the 8<sup>th</sup> of October. It really looks good! There is some finish work that needs to be completed on railings and the path to the ramp and hopefully that will be completed in the spring. I would like to extend a special THANKS to Gene KB3JZL for engineering, supervising and constructing the ramp. Also thanks to the McKean Boy Scouts who took on the ramp project as an Eagle project. Other club members who helped construct the ramp are Joe KA3CPV, Rick WA3MKT, Adam KB3THU and Gretchen KB3UWK, a job well done THANKS!!

We have started our winter schedule of meetings, still the first Thursday of the month, 7PM but they will be at the Red Cross Building on Pittsburgh

Ave, South of West Grandview. The clubhouse is still available for use through the winter, it is heated so take advantage of the equipment. Usually there are some folks at the clubhouse Thursday evenings.

Don't forget to check into the nets that are listed on our website: w3gv.org. Now that the Echolink is back on the air (THANKS John) join us on my 9PM Rag Chew Net.

73,

Doug AD4UL

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- The early bird may get the worm, but the second mouse gets the cheese.

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## October General Meeting Minutes

Meeting started at 7 PM

Board Members and Officers Present: Frank Etzler K8WXQ, Doug Sweet AD4UL, Rich Quinn KB3ZVH, Craig Hill KK3PLV, Gene Brinig K3JZL, Bob Fuller K3LBI, Ed Barlow K1ZIK, and John Lindvay WB3IFD.

Program: Arthur C. Collins Legacy

New Hams: None

Silent Keys: None

Visitors: None

Treasurers Report: \$907.04

Public Service: Will participate in JOTA, October 15 and 16<sup>th</sup>.

Membership Report: We need a membership chairman. Any volunteers? Some club members complained they have not received a membership card. Secretary agreed to mail them out.

Facilities Report: None from chairman Rich Quinn KB3ZVH. Handicap ramp wood work is almost done and will be finished this coming Sunday. Many thanks to Gene Brinig K3JZL.

Repeater Report: Still having problems with Echolink. Agreed to work on the next day.

Contesting Report: PA QSO party is coming up. Will have club house open for anyone who wants to work the party.

Old business: None

New Business: A motion was made and seconded and passed to put a new ARRL Tech manual in the main public library.

50/50 was won by John Lindvay WB3IFD

2 Tickets to Conneaut Hamfest was won by Ron Seyboldt WB3DOM

Meeting ended at 8:15 PM

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**A conclusion is the place where you got tired of thinking.**

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## **Celebrating your club's Elmers might encourage others**

Sam, W5KF, recently sent me a link to the Elmers' page on the Norman, OK South Canadian Amateur Radio Society (SCARS) website. Not only is it a listing of the club members who have stepped forward to Elmer new members, but also provides ways to honor current and past Elmers. This is from the SCARS newsletter:

"Elmer List on the W5NOR.org website

"This week we talk about a brand new feature on the W5NOR web site. In the amateur radio community, an experienced amateur radio operator who mentors a new or prospective ham is commonly called an "Elmer". In our hobby, that

seems to be a great way for knowledge to be transferred.

"Yes, we all have taken an FCC test to receive our license, however that's only the starting point. Remember that person that helped you set up your first radio, or gave you the courage to press the PTT button, or answered endless questions about a radio, or an antenna? That's the kind of thing we're talking about.

"Thanks to a great suggestion from Gary Skaggs WB5ULK [not sure it was my idea. – Editor], we've created the SCARS Elmer Page, located at <http://w5nor.org/elmers>, for us to celebrate Elmers; past, present, and future. We provide a place for Elmers to list their specialty, and contact information, which allows new hams to find someone they can ask questions of.

"Since this is a new section of the web site, this list is rather short. If you're willing to help others on a given topic, send a message to [n5hzz@arrl.net](mailto:n5hzz@arrl.net) and you will be added to the list. Right now we need lots of different categories, like antennas, radio setup, HT programming, contesting, satellite operation, high power operation, test gear, building your own gear, repairing radios, APRS, D-Star, DMR, CW, logging, etc. oh well, you get the idea.

"You don't need a PhD to be listed here. You just need a willingness to help others in a given area. It's OK to be a new ham, and be listed here. You may have just struggled through your first space contact, but you'll have infinitely more knowledge than the person who's been a ham for 40 years, and has never tried that portion of the hobby.

"Also, there is a link to the "ARRL Elmer Award" page of the American Radio Relay League's web site. Here, you can enter your favorite Elmer's name and callsign. The ARRL will print a nice certificate, and mail it to the address you enter. Yes, for FREE! This certificate can either be mailed to your favorite

Elmer, or you can mail it to yourself so you can present it to them personally. Feel free to order an Elmer certificate, and present it to your Elmer at an upcoming SCARS meeting. Talk with one of the officers before the meeting to get your place on the agenda. What a great way to recognize these people for their extra efforts.

"Finally, we've got a place to list YOUR favorite Elmer in our SCARS Elmer Hall-of-Fame. This is the place to memorialize your Elmer, whether they are SCARS members, Silent Keys, or not. I've already listed a few Elmers on the list from my own travels through the hobby. We'd love to list the people that help us all succeed.

"So, please help make this page useful, visit the SCARS Elmer page at: <http://w5nor.org/elmers> and be listed as an Elmer, and list your favorite Elmers."

I think this is a wonderful idea, and I hope that you will consider doing something similar in your club. A little recognition could go a long way, and we need all the Elmers we can muster. And, if you're already doing this, please send me a link. I'll add that link to my website, KB6NU.Com.

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When he's not Elmering new hams, you'll find Dan building kits and working CW on the HF bands. He is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com. You can contact him by e-mailing [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

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**I'm going to retire and live off of my savings. Not sure what I'll do that second week**

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## Christmas Party

Christmas Party at the Skyline Restaurant, located 1301 E. Grandview Ave., Erie off Route 8, will be December

10<sup>th</sup> 3 PM to 7 PM. Cost is \$15.00 a person. The menu is as follows:

### Main Course

- Cowboy Salad
- Garden Salad
- Meat Loaf
- Honey Glazed Ham
- Rosemary Chicken
- Parsley Potatoes
- Green Beans with Almonds
- Honey Tarragon Carrots
- Rolls and Butter

### Dessert

- Brownies
- Pies
- Chocolate Mousse
- Coffee, Tea, Pop

### hors d'oeuvres

- Vegetable Tray
- Cheese and Cracker Tray

Must RSVP by December 1, 2016. Call Sue Seyboldt at 456-0500 or Craig Hill at 825-3438

If you RSVP and do not show you still have to pay.

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### WHY DO THEY PUT BRAILLE ON THE DRIVE-THROUGH BANK MACHINES?

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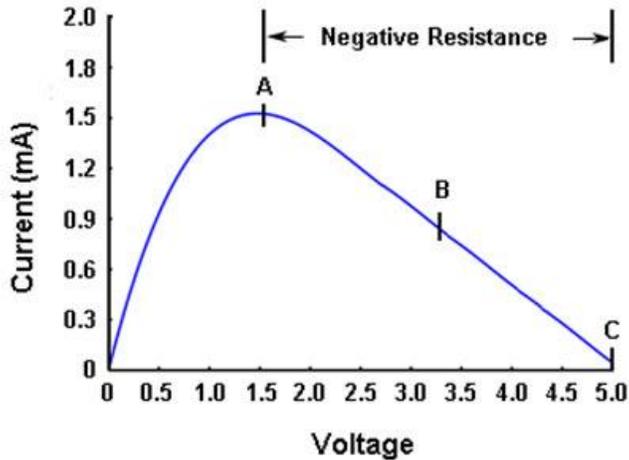
## What is Negative Resistance?

From Nuts and Volts Magazine

In electronics, this is common occurrence. If you leave out imaginary numbers, there is really no such thing as negative resistance — as in there's no such thing as negative gravity. It is how you define negative.

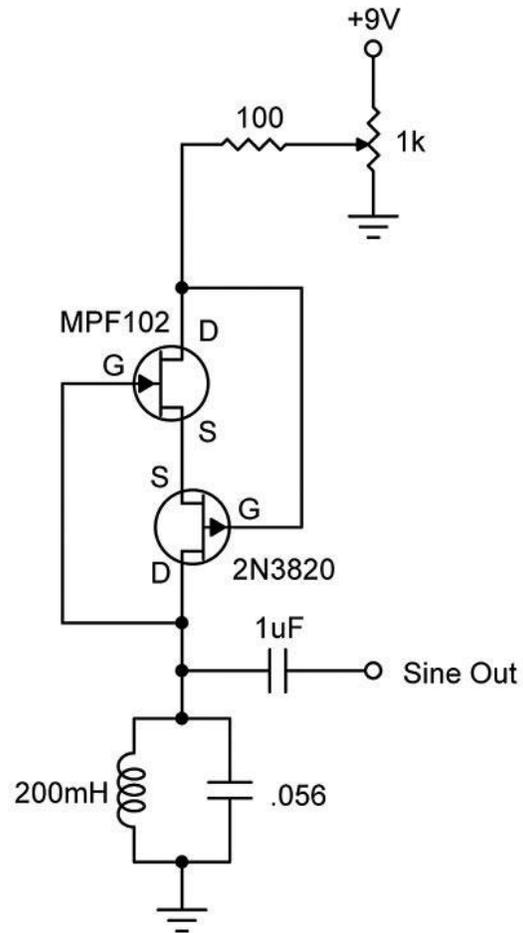
Ohm's Law states that as the voltage across a resistance increases, so does the current. It's a linear function. With negative resistance, on the other hand, the current decreases as the voltage increases. Several electronic devices exhibit negative resistance, including neon lamps, tunnel diodes, and

Lambda diodes, which you can make yourself from a pair of Junction field-effect transistors (JFETs).



There are two types of field-effect transistors: those that operate in the enhancement mode and those that operate in the depletion mode. Enhancement mode means that the FET is forward biased (turned on), like a bipolar transistor. Depletion mode means that the FET is reverse biased (turned off), like a vacuum tube. JFETs are depletion-mode devices.

When configured as shown Lambda Diode Oscillator, the two transistors interact with each other and produce a negative-resistance Lambda diode. Up to point A, the current increases as the voltage is increased. At point A, the diode current peaks and begins a decline from point A to point C, while the voltage continues to increase — negative resistance! Want to play with it? For most applications, the diode is biased in the middle of the negative-resistance slope, at point B. An example of a practical Lambda circuit is the sine-wave oscillator shown in **Figure 3**. All it takes is a Lambda diode and a tank circuit; this circuit should oscillate at 1 kHz with the values shown, but it can be easily extended to 100 MHz with the right tank values. The 1K potentiometer is used to set the bias of the diode because not all JFETs will land in the sweet spot at the same the same voltage.



**Lambda Diode Oscillator**

## Amateur Calendar

November 1 – Corry Club meeting

November 3 – RAE club meeting at the Red Cross, at 7 PM.

November 5 - ARRL CW Sweepstakes Contest. See [www.arrl.org/sweepstakes](http://www.arrl.org/sweepstakes)

November 6 – Wacom Hamfest in Washington, PA. See <http://www.wacomarc.org/hamfest.html>

November 8 – Wattsburg Club meeting

November 10 – Union City Club meeting

November 12 - Kentucky QSO Party. See [www.wkdx.com](http://www.wkdx.com)

November 11 – Veteran’s Day

November 17 - NAQCC CW Sprint. See [naqcc.info](http://naqcc.info)

November 19 - ARRL SSB Sweepstakes Contest. See [www.arrl.org/sweepstakes](http://www.arrl.org/sweepstakes)

November 19 – VE session at Greene Township Building

November 20 - Homebrew & Oldtime Equipment Party. See [www.qrpcc.de](http://www.qrpcc.de)

November 21 – Conneaut Club Meeting

November 23 - SKCC CW Sprint See [www.skccgroup.com](http://www.skccgroup.com)

November 24 – Thanksgiving

November 26 - CQ Worldwide CW DX Contest. See [www.cqww.com/rules.htm](http://www.cqww.com/rules.htm)