



# FEEDBACK

The Official Newsletter of the  
Georgian Bay Amateur Radio Club

January 2018

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## From the Editor



Imagine that, another year has come and gone, a year older, maybe a bit wiser... at least I can hope. I wonder what innovations in the hobby will come about this year, certainly the software defined radio holds opportunity for better receivers and improved functionality. Although one would wonder just how many more improvements in receivers are possible. The newest rigs boast a dynamic range in excess of 110 dB and digital modes that are so sensitive that signals exist that cannot be heard with the human ear. This makes previous activities like EME (earth moon earth) communication possible and achievable by a modest station and antenna array.

And it's another new year for GBARC with the usual activities and events like winter field day and the scouts jamboree this month, Canada Day and RAC Field day to mention some. I hope the issues have been resolved at Cabot Head so we can again participate in the lighthouse weekend. This remains to be seen but a positive outcome is encouraged.

This is also the 2<sup>nd</sup> year of our executive's term so that means elections will be taking place in September. This is an opportunity to try your hand with one of the positions.

Best regards and see you at the January 23<sup>rd</sup> meeting.

## GBARC Luncheon December 2017

With over 20 attending, a good time was had by all, a nice meal with door prizes. As well, driving conditions were good even though they had not been a day or two previously. Thanks to all that attended and those who donated door prizes. Merry Christmas and a Happy New Year...73



## Upcoming Events

Winter Field Day – At the QTH of Frank VA3GUF, on the 27th and 28th of January 2018, 2pm EST Saturday to 2PM EST Sunday. If you are interested in participating please contact [Frank VA3GUF](mailto:Frank.VA3GUF)



The **Scout Winter Camp at Harrison Park** in Owen Sound is Saturday, January 27th from 1000 hrs to 1600 hrs EST. We have again been asked to set up stations to demonstrate Amateur Radio. I would like to show them other aspects to ham radio like digital and QRP and CW QRP as well as voice. Any ham interested in helping out, please contact me at [ve3wrf@gmail.com](mailto:ve3wrf@gmail.com). If you operate digital or phone/CW QRP I would like your help.

Thanks and 73 Doug / VE3WRF

## GBARC Challenge



This is the final challenge certificate created by Beth Van Aalst and voted on.

An excellent effort. To get one of these, just follow the instructions on our [Canada 150 webpage](#). Results will be announced at the January meeting.

## Interesting Websites

Magnetic Loop Antenna Projects  
<http://www.n6na.org/magloop>

Raspberry Pi...for [Beginners](#)

Long wave [Home Page](#)

[Make your own amp](#)

## Current Membership List as of January 2nd 2018

If there are any omissions or errors please  
 contact Bernie VE3BQM

[VE3BQM@gmail.com](mailto:VE3BQM@gmail.com)

1. VE3OSA Scott Abrams Meaford
2. VE3USI Tex Brown, Flesherton
3. VE3QVC Phillip De Kat Owen Sound
4. VE3LKD Bob Droine, Owen Sound
5. VA3RRD Linda Droine, Owen Sound
6. VA3GUF Frank Gufler, Owen Sound
7. VE3WRF Doug Hall Meaford
8. VE3IZS Adam Karasinski, Elmwood
9. VE3RQY Greg Laroque Owen Sound
10. VA3STG Fred Lorch, Teeswater
11. VE3DFL Daphne Lorch, Teeswater
12. VA3MUM Chris McLaren, Sauble Beach
13. VA3CJM Jim McLaren, Sauble Beach
14. VE3BQM Bernie Monderie, Owen Sound
15. VE3WI David Newcombe, Port Elgin
16. VE3MIO Maureen Nightingale, Wiarton
17. VE3PCP Rob Noakes, Tiverton
18. VE3PAV Bobby Pavlovic Lions Head
19. VA3DST Dieter Shoepferle, Owen Sound
20. VA3CIC Jon Skagfeld, Owen Sound
21. VA3TS Tom St.Amand, Shallow Lake
22. VE3AOE Bill Sullivan, Durham
23. VA3TVA Tom Van Aalst, Owen Sound
24. VE3APY Carl Wall, Durham
25. VA3ILT Mary Watson, Flesherton



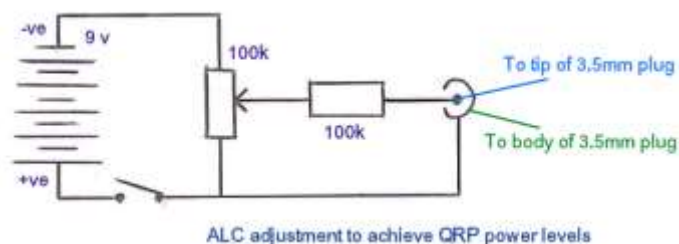
**Membership  
 Application Form**

## QRP with any rig

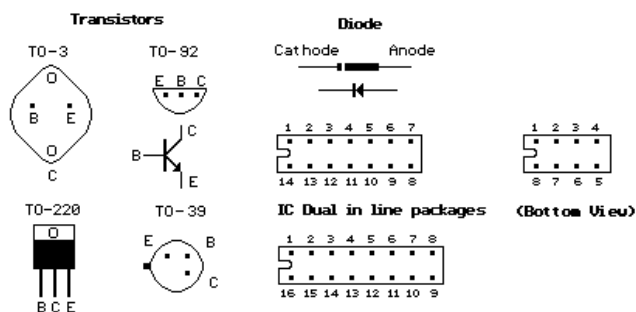
Many 100 watt rigs cannot adjust RF power output to a low enough level for QRP operation. What is needed is a circuit to allow control of the ALC circuits to reduce the power of a transceiver for QRP operation with power levels below 5 watts.

Shown below is a very simple circuit for this task - nothing more than a 9 volt battery, a switch, battery connector, 100k resistor and 100k preset potentiometer, a suitable connecting plug, some thin shielded cable and a project case.

When connected to the transceiver it allows a variable negative voltage to be applied to the transmitter's ALC line via the accessory socket. Increasing the applied negative voltage will reduce the transmitter's output power.

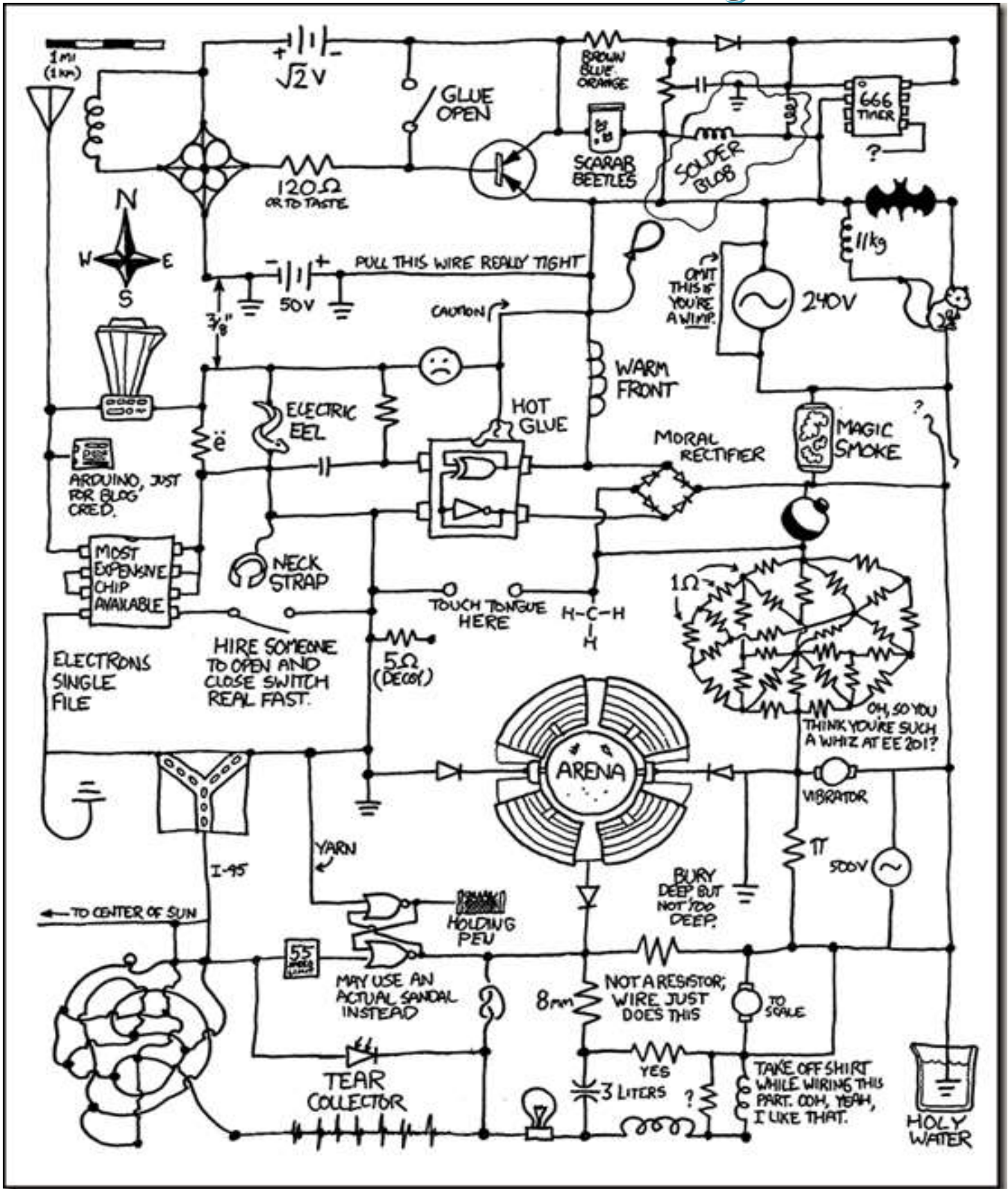


## Transistor / Diode / Dip outlines



The newsletter editor is always looking for submissions, projects, ideas, pictures and encouragement.

# New Transceiver Design





## Message from the President

Frank VA3GUF

To all, I wish you and your family a Happy New Year

with best wishes of Happiness, Health and Prosperity for 2018 and all future years. This year is starting up with lots of cold and deep thaw where we have seen flooding across Canada already. I would think that we might have some disasters come spring with more flooding and hopefully not in our area. This is a good time to reflect on what you would do in such an event and how we may be able to help with radio communications for those areas that are affected. This hobby has many aspects that can be brought to bear to help out. 3

Ham's that I know of are working on a emergency USB key with all the tools that may be needed in case of an emergency. Here they find that for the last 3 months they are only scraping the surface of our overall potential to help. As more becomes available from this group, I will be sharing their findings with you all and see if we can also put some of what they have to use. Filed day becomes an excellent example of deploying such capabilities. We just need to get ready. With Winter Filed Day coming up on Saturday the 26<sup>th</sup> of January and Sunday, those that come by to participate can get some detailed insight into what this trio are working on. I look forward to seeing you there. My wife Marie-Claude is also opening up the house to welcome your spouses or significant other for a fine Supper and conversation Saturday evening while we enjoy ourselves socializing with the radio. Do forward the invitation to your spouses and significant other and confirm they will join Marie-Claude for a Fine Supper. She is already asking me for how many will join her. This should make it a wonderful evening for all. With that I will say cheers and will see you soon.