

# The **HOTLINE**

Official Newsletter for the  
Heart O' Texas Amateur Radio Club  
Waco, Texas

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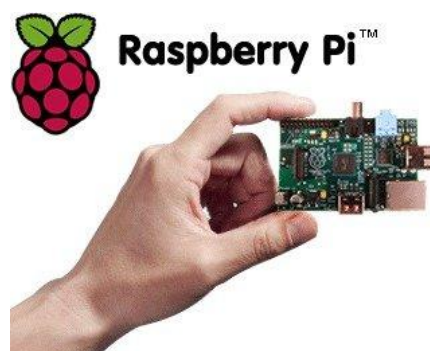
July 2018

## ***Do-it-yourself Repeater Relay***

*Lynn Gustafson KD5DZU*  
HOTARC President

During Field Day, Bill KD5UEW did a wonderful job of demonstrating the use of WinLink to connect hams via radio and the Internet. When a glitch occurred in his WinLink connection back at his QTH, he was able to talk his wife through the process of rebooting the system. With an under-\$50 RaspberryPi setup, Bill could have remotely reset his system himself!

At the July meeting, Lynn Gustafson KD5DZU will demonstrate how to use a simple RaspberryPi and a relay board to add web-remote control to almost any electronic device. This is essentially a do-it-yourself “economy” version of the setup Clint has installed at the W5HAT repeater tower. Come to the July meeting and learn how you can “turn out the lights” via the internet!



## ***From the President***

The Texas Summer is here and it has arrived “in force!” The last couple of days have seen record-breaking temperatures across Texas. This also means we have seen record-breaking electricity demand. I know because I work with the power companies!

First, consider health and safety. If you must work outside in this heat, it is VERY IMPORTANT to be prepared. Drink plenty of water, and limit your exposure to the heat. Several times I have failed to heed this advice and ended up needing to seek medical care.

Second, consider your electricity usage. You can reduce your consumption of electricity by simply turning off unused lights and appliances, raising the thermostat a couple degrees, and closing blinds or drapes on windows (especially south-facing windows). While the electric power companies are working hard to keep the lights on during the extremely hot days, the demand is getting close to being higher than supply. If we exceed the supply, it will lead to rolling blackouts. That won't be fun for anyone!

While people don't do well in the heat, our electronics also don't like extreme heat either. As you know, temperatures inside parked cars can exceed 170 degrees. The specs on my mobile radio indicate it is only good up to 140 degrees! Yikes!

Stay safe and cool.

Lynn KD5DZU  
HOTARC President



## For the Record

### HOTARC Meeting of Members June 28, 2018

President Lynn Gustafson, KD5DZU called the meeting to order at 7:10 p.m. in the W5NCD Workshop Meeting Room.

15 members were present, and three visitors: John Clarke KE5JIT, Ellie Langley KG5RTA, and Valda Carlson (wife of Larry Carlson AA5LC).

**Meeting Minutes.** Jeb Leutwyler KG5WHS moved to accept the Minutes of the May 24, 2018 as published in the HOTLINE, seconded by Mark Plough AC5DE, and unanimously approved.

**Treasurer's Report.** Larry Carlson AA5LC moved to accept the May 2018 Treasurer's report as published in the HOTLINE; seconded by Jim Jud KA5QKL, and unanimously approved.

### Committee Reports:

- **ARES:** Ed Hynan KC5KNI reminded of the need for all who have obtained clearance to the EOC to get back to Frank Patterson to obtain your access card.
- **Trailer Committee:** The President praised the newly wrapped trailer, and it worked great at Field Day, too!
- **Repeater Committee:** David Bush KC5UOZ reported the 147.24 MHz system is back up (on Fusion).
- **Web Committee:** John Chamberlain AC5JC reported web site is working well.
- **ATV:** David Bush KC5UOZ reported that his digital ATV work is making good progress, and will be operational soon.
- **Education Committee:** Clint Anderson AE5CA is planning a Tech Class this Fall, and maybe an Extra class, too.
- **Public Relations:** No report.
- **Special Events:** Thanks to all who helped with Field Day—everything went well! Clint AE5CA reminded that WWW100 will be next event, scheduled for October 20. Please make plans to help support this.

### Old Business

- **Field Day:** President advised all to submit receipts for authorized expenses to the Treasurer for reimbursement.

### New Business

- **New member application.** James Flippin KG5YQT of Robinson applied for Full Membership. Jeb KG5WHS moved to accept, seconded by Drew Dickenson KE5UBO, and unanimously approved.
- **Letter to Club.** The Club received a letter from Jason Johnston KC5HWB, seeking to set up a [DMR repeater](#) with the Club's support. Lynn will contact him for more info and possible presentation.

### The Treasurer Reports...

Heart O' Texas Amateur Radio Club Treasurer's Report, June 2018	
Starting Balance	\$8,953.80
Income	
Dues	\$ 30.00
Interest	0.08
Total Income	\$ 30.08
Expenses	
(none)	(\$ 0.00)
Total Expenses	(\$0.00)
Ending Balance	\$8,983.88
Uncleared activity:	
Field Day Gasoline	(\$35.75)
Motor home repair donation	(\$400.00)
Amount in acct. as of 7/15/2018	\$8,548.13
Includes Flower Fund:	\$178.10
Submitted by Norris Martin, KB5SLI HOTARC Treasurer	

- **Donation.** John Chamberlain AC5JC moved to make a donation to Larry Bush W5NCD and David Bush KC5UOZ in appreciation for the use of their motor home during Field Day (over past several years), seconded by Drew KE5UBO. The amount of \$400 was agreed upon, and unanimously approved.

## Meeting Adjournment

Ed Hynan, KC5KNI moved for adjournment at 7:32 pm.

Submitted by  
John Chamberlain AC5JC  
Acting Secretary

## What is A.R.E.S.?

Ed Hynan, KC5KNI  
McLennan County Emergency Coordinator

I have received numerous (good) questions about how to get involved in ARES and just specifically what is expected of members.

The [Amateur Radio Emergency Service](#) (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization, is eligible for membership in the ARES. The only qualification, other than possession of an Amateur Radio license, is a sincere desire to serve. Because ARES is an amateur radio service, only licensed amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.



ARES is what amateur radio is all about—using equipment and communications skills to help others. Amateur radio and ARES have played a big part in disaster response since the events of 9/11. Support for recovery efforts in New York, Washington, Texas, Colorado and Arizona fires have put amateur radio in the public spotlight. Registration is necessary to best match available equipment and operator availability to support disaster relief efforts. In addition, security requirements for responders have become a requirement as a result of the 9/11 attacks. Access to Emergency Operations Centers, hospitals, and incident command posts will be limited to those individuals who have been screened and identified. If you are interested in working disaster or emergency response in any of these areas, contact Frank Patterson at Waco-McLennan County Emergency Management (750-5911). McLennan County ARES is the backup communication resource for Waco-McLennan County Emergency Management.

If you are interested in becoming a member of McLennan County ARES, visit the ARES page at the HOTARC web site, [hotarc.org/ares/](http://hotarc.org/ares/), click the link (below the ARES logo) to **download** the ARES application. Follow the instructions at the bottom of the application to submit your completed application by mail or e-mail. Your application will be processed and you will receive an ARES ID Card. Check in to the Weekly McLennan County ARES net every Monday at 8:00 PM on the 145.15 repeater (tone 123.0).

If you have a sincere desire to help, registration is necessary **before the next emergency, not after** it occurs.

The HOTLINE is the monthly newsletter of the Heart O' Texas Amateur Radio Club (HOTARC), Inc., a nonprofit corporation, chartered by the State of Texas and principally located in Waco. It is permissible to use any of the original material contained herein, provided proper credit is given to the source.  
Edited and Published by John Chamberlain AC5JC, [AC5JC@arrl.net](mailto:AC5JC@arrl.net)

## ***HOTARC 2018 Board of Directors***

**President:** Lynn Gustafson KD5DZU  
[President@hotarc.org](mailto:President@hotarc.org)

**Vice Pres:** Mike Needham WB7SKK,  
[VicePres@hotarc.org](mailto:VicePres@hotarc.org)

**Secretary:** Dan Hapenney AG5HF  
[Secretary@hotarc.org](mailto:Secretary@hotarc.org)

**Treasurer:** Norris Martin KB5SLI,  
[Treasurer@hotarc.org](mailto:Treasurer@hotarc.org)

**Past-Pres.:** Clint Anderson AE5CA,  
[PastPres@hotarc.org](mailto:PastPres@hotarc.org)

**Director (2018):** Terry Williams KD5KJU,  
[Director3@hotarc.org](mailto:Director3@hotarc.org)

**Director (2019):** Ed Hynan KC5KNI,  
[Director1@hotarc.org](mailto:Director1@hotarc.org)

**Director (2020):** Keith Adams KG5AWC,  
[Director2@hotarc.org](mailto:Director2@hotarc.org)

## **Club Repeaters**

145.15 MHz (input at -600 kHz, tone 123 Hz)

146.98 MHz (input at -600 kHz, D-Star)

442.875 MHz (input at +5.0 MHz, tone 123 Hz)

## **VE Testing**

The HOTARC VEs will hold a test session at **10:00 AM on August 11** at [Baylor University Rogers Engineering and Computer Science Building](#), meeting upstairs in **Room 207**. Test takers will need to provide **1)** testing fee of **\$15** (cash only), and **2)** a **photo ID** (two for first-time licensees). Already licensed amateurs must also provide: **3)** **Reference copy** or **photocopy** of current license; and **4)** **photocopy** of any relevant CSCE. **Contact:** Linda Hynan, AC5QQ at 254-666-4873 or [Linda.Hynan@UTSouthwestern.edu](mailto:Linda.Hynan@UTSouthwestern.edu).

## ***Meeting Notice***

HOTARC will hold its *Annual Meeting of Members* at 7:00 pm on Thursday July 26 at the [W5NCD Workshop, 12772 Chapel Rd in Lorena](#). Meetings generally last about 75 minutes consisting of fellowship, general Club business, and an interesting program and discussions. Visiting hams, family members, and prospective hams are welcomed!

**It's HOT! Let's talk about  
something cool...like ham radio!**