

SEPTEMBER 2019

# HPARC NEWSLETTER

High Point  
Amateur Radio  
Club



## SEPTEMBER MEETING

The September meeting will be on **September 9** due to the Labor Day holiday. Please mark your calendar.

David Macchiarolo will talk about Ham Radio logging and the Logbook of the World at

the September meeting.

I missed two birthdays in last month's newsletter. Peter Kapetanakis on August 4, and Derek Brown on August 14. Sorry, guys. Hope you had a great birthday.

Nominating committee will need to be selected by October meeting. Please help if called.

Don't forget the September meeting will be one week later than usual on the 9th. Hope to see you there.

## ENDING THE GREAT RADIO SILENCE AFTER "THE GREAT WAR"

Practical wireless was still in its infancy at the turn of the 20th century and unregulated experimentation rampant. Chaos reigned on the airwaves. Given the technology of the day — spark gap transmitters that emitted very, very broad signals — interference was a problem. As Al Brogdon, W1AB, explains in "The World War I Shutdown," in the September 2019 issue of QST (p. 70), Hams, passenger ships, and the US Navy were the main users of wireless, and the Navy went to Congress in an unsuccessful effort to wrest control over radio and, effectively, abolish Ham Radio in the US. Radio Amateurs opposing the bill had an ally in the Marconi Company.

When the US in 1917 joined the European conflict that became World War I, the federal government ordered

Hams to disassemble their stations, lower their antennas, and not use transmitters or receivers. Many Hams who joined the military took their own radio gear along, because, as Brogdon explains, "the military didn't have enough radio equipment."

The end of the war did not mean the resumption of Amateur Radio. Hams were allowed to use their receivers again but not transmit. The Navy was still in charge of all US radio communications, and another bill introduced in Congress proposed handing over ongoing control of all radio to the Navy.

Publication of QST also ceased during the war, and many Hams had let their ARRL memberships lapse for the duration. ARRL officers and key members dug into their own wallets to thwart

the bill, mailing a "Little Blue Card" to members urging them to ask their congressional representatives to oppose the Navy proposal. ARRL President Hiram Percy Maxim went to Washington to speak against the bill, which died in committee.

It was not until 1919 — amid another Navy effort to gain control over radio that was stalled by opposition from Hams and others — that the transmitting ban was lifted by an act of Congress. As Brogdon explains, "Maxim

*"Great War" continued inside...*

**HPARC Meeting  
September 9, 2019**

Rancho's,  
10463 North Main St,  
Archdale, NC

Meal at 6:30 p.m.  
Business meeting at 7:00 p.m.

# SILENT KEY ESTATE PLANNING

Forgive me for borrowing the title of an article from the September issue of QST. This article serves as a guide to planning the distribution of your Ham equipment in an estate. A lot of us don't have family members that share our love of the Ham Radio hobby. What to do with our Ham Radio gear is a concern.

It isn't something we like to think about, but we need to think about what we would

like to see happen with our Ham Radio gear when something happens to us. Our family members won't know what to do with or how much our equipment is worth.

Just as a reminder, the HPARC is a 501(c)(3) non-profit entity and can accept tax deductible donations of equipment. This could be donations from an estate or when you decide to downsize your Ham Radio collection. (The HPARC

can also accept tax-deductible cash donations.)

What I was unaware of is that the club does not set the value of the equipment being donated. The value is determined by the person or representative that is donating the equipment.

Not an ARRL member and don't get QST? Signing up or renewing a membership through the HPARC also helps the club through commissions paid to the club.

## NEW DETAILS EMERGE AFTER N.H. TOWER ACCIDENT

More details have emerged following the tower accident that claimed the life of one Ham and injured another late last month in New Hampshire. As Newline reported last month, a 40-foot tower collapsed on July 27th, taking the life of Joe Areyzaga K1JGA and seriously injured Mike Rancourt K1EEE as the two worked to take the tower down at Mike's QTH. It was a used tower that had only been installed three years ago. An update posted on the Yankee Clipper Contest Club discussion

board written by Mark Pride K1RX, adds the following new details.

Mark wrote that the general reason given for the collapse of the Rohn 25 tower was corrosion at the junction of the hinged base short legs, where one leg had been previously repaired but not with galvanized material. Mark wrote that the structure had become weakened and the first point of failure was that leg. When the guy wires were removed from their anchor points – a necessary action to remove

the top section – the tower became free-standing. Both climbers were 35 feet high, wearing safety belts, when the base failed. He wrote: "Subsequent movement by climbers at the top of the unguyed tower led to breakage at the base."

He said that normally all hardware associated with the hinge plate are galvanized to protect against the elements. Water or ground contaminants had collected in gaps under the plate, contributing to the corrosion of the previously repaired short leg.

Mark suggested the following safety procedure: attach a set of additional guy wires at either the 10 feet or 20 feet level prior to any work on the tower to further stabilize the base and reduce stress on the legs. He named this procedure in honor of Joe K1JGA, the Silent Key.

—*Amateur Radio Newline*,  
Report 2181,  
August 16, 2019

## NEW LIST RELEASED FOR DXCC'S MOST WANTED

In case you've been wondering about the DXCC Most Wanted entities, Bouvet Island remains in the Number Two spot, with the top spot going to North Korea. In the third and fourth spots, respectively, are Crozet Island and Scarborough Reef. The fifth

spot went to the San Felix Islands. The list was updated on ClubLog as of the 29th of July and no changes have been reported. There are 340 entities in all.

—*Amateur Radio Newline*,  
Report 2181,  
August 16, 2019

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Complimentary issues of the HPARC Newsletter are available by writing to the HPARC Newsletter at PO Box 4941, High Point, NC 27263 or emailing your request to w4ua@arrl.net. Subscriptions are available to non-members for \$12.00 a year. Contributions and letters/emails to the editor are welcome.

Membership is open in the HPARC to all licensed Amateur Radio operators. Membership is \$24.00 a year. Associate membership is also available to those who are interested in Amateur Radio but who do not currently hold a license. Associate membership is \$12.00 a year. Student membership is also available for \$12.00 a year.

The High Point Amateur Radio Club meets the first Monday of each month (except for holidays) at 6:30 p.m. at a local restaurant announced in the newsletter. The business meeting starts around 7:00 p.m. followed by a short program of interest. Family and visitors are welcome to attend. For more information, please call or email one of the HPARC officers listed in this newsletter.

...”Great War” continued from cover went to Washington again and found a sympathetic ear in Massachusetts Congressman William Greene, who ultimately introduced the suc-

cessful House Joint Resolution 217, which asked the Navy ‘to remove the restrictions on the use and operation of Amateur Radio stations throughout the United States.’“

Hams were back on the air by the fall of 1919 — 100 years ago!

—*The ARRL Letter*,

August 22, 2019

Rick Lindquist, WW1ME, Ed.

## ARRL MEMBER HAD ROLE IN PROMISING RF TREATMENT DEVICE FOR ALZHEIMER’S

ARRL member Eric Knight, KB1EHE, played a role in the development of an RF-based Alzheimer’s disease treatment that now shows great promise. A study published in the *Journal of Alzheimer’s Disease* following a months-long FDA clinical trial of the treatment protocol concluded that memory decline in most patients “appeared to have been reversed to cognitive levels equivalent to 12 months earlier” after 2 months of treatment. The clinical trial concluded last December 31 and focused on the initial efficacy of what NeuroEM Therapeutics, Inc. — the company developing the device — calls “transcranial electromagnetic treatment” (TEMT), using a noninvasive head-worn device called the MemorEM.

“Results from the trial demonstrate that TEMT was safe in all eight participating patients with mild to moderate Alzheimer’s disease, and enhanced cognitive performance in seven of them, as measured by standard cognition scales,” said a news release from NeuroEM Therapeutics. Seven of the

eight clinical trial patients agreed to take part in a 4-month extension study, based on the findings and the positive feedback from all participants.

“This pioneering study suggests that TEMT may be an entirely new therapeutic intervention against Alzheimer’s disease,” said NeuroEM CEO Dr. Gary Arendash. “Our bioengineering technology may be succeeding where drug therapy against this devastating disease has thus far failed. TEMT appears to be affecting the Alzheimer’s disease process through several actions directly inside neurons (brain cells), which is where we believe the disease process needs to be stopped and hopefully reversed.” Arendash has explained that TEMT in the 900 MHz range breaks down the small protein aggregates (amyloid oligomers) in brain cells that are thought to initiate Alzheimer’s development.

Knight, of Unionville, Connecticut, is the president of Remarkable Technologies. He has no medical background, but several years ago, he learned of experiments

that Arendash had carried out on mice specially bred to have Alzheimer’s disease, in which the mice were exposed to low levels of RF for therapeutic purposes. The effects were dramatic, sometimes even reversing the disease’s effects. Borrowing some concepts from earlier experiments with small rockets and avionics, Knight set about developing — and later patenting — a wearable device that could deliver requisite low levels of RF to a human head. NeuroEM was also developing a device, which it patented as well, and NeuroEM has filed multiple patents since then, Knight explained to ARRL. NeuroEM has an exclusive license to Knight’s patent, and his contribution is now part of the overall mix of applied technology.

“As an inventor and entrepreneur, all you can hope for is to have a positive impact on society, and this is about as important as it gets,” Knight told ARRL.

—*The ARRL Letter*,

August 8, 2019

Rick Lindquist, WW1ME, Editor

## HOW RADIO ACTIVE HAVE YOU BEEN?

A new web tool can tell how active you have been over the past 12 months. Plug your call sign into this website <<https://foc.dj1yfk.de/activity/>> to

review your station activity. This tool from DJ1YFK uses the Reverse Beacon Network (RBN) data to generate an activity report (a “heat map”)

showing the activity for any call sign.

—*The ARRL Letter*,

August 8, 2019

Rick Lindquist, WW1ME, Ed.



**High Point Amateur Radio Club**  
**PO Box 4941**  
**High Point, NC 27263-4941**



## HPARC SEPTEMBER CALENDAR

- Aug 30**-Sept 1 — Shelby Hamfest
- 2 — LABOR DAY**
- 7 — Virginia Beach, VA Hamfest
- 8 — Grandparent's Day
- 9 — HPARC Membership Meeting**
- 11 — PATRIOT DAY** (in honor of those who lost their lives on Sept 11, 2001)
- 14 — Bush Hill Heritage Festival, Archdale
- 14-16 — ARRL Sept. VHF QSO Party
- 21 — Day In The Park, High Point, NC
- 21-22 — ARRL 10-GHz & Up Contest - Round 2

- 21-22 — ARRL EME - 2.3 GHz & Up
- 23 — First Day of Fall**
- 28 — Everybody's Day, Thomasville, NC
- 29 — HPARC Newsletter deadline
- 31 — W4VEC High Point session (Hickory Chapel Wesleyan Church, Fellowship Bldg)

### BIRTHDAYS

- Matt Flyer — September 5
- Dwight Sledge — September 7
- Bobby Draughn — September 11
- Tom Evans — September 28

For W4VEC Test information, call or email David Macchiarolo, AJ4TF, (336) 420-9424, [aj4tf@arrl.net](mailto:aj4tf@arrl.net)

### 2019 HPARC OFFICERS

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**Breakfast every Saturday**  
 —  
**8:00 a.m.**  
 —  
**Biscuitville,**  
**2709 S. Main St.**