

July 2020



# A.C.O.R.N.

Androscoggin Amateur Radio Club  
(AARC)  
P.O. Box 1, Auburn ME 04212-0001  
<http://www.w1npp.org>



**Androscoggin Amateur  
Radio Club.Repeaters**

**Lewiston**  
146.61 PL 88.5  
ON AIR

**Livermore**  
443.300 D-star  
OFF AIR

**Poland Springs**  
147.315 PL 103.5  
ON AIR

**Livermore**  
146.895 PL 103.5  
ON AIR

### **Club Officers**

President: Lee Trask W1LWT  
V. President: Pete Thoutte N1ZRL  
Treasurer: Ivan Lazure N1OXA  
Secretary: Dick Knight N1NYW  
Trustee: Tim Bubier WT1A  
Newsletter Editor:  
Harold Hartley N1LLU

### **Club Meetings**

Wednesday July 1<sup>st</sup> 1900 EDT  
Meeting held on the .61 repeater  
88.5 pl.

### **ARES/RACES Meeting Canceled**

### **Club Breakfast**

Wednesday July 29<sup>th</sup> 0700 EDT  
at KRISTI'S CAFE on 767 Minot  
Ave. in Auburn, Me.

### **ARES/RACES Net**

Every Thursday except for meeting  
night on the 146.61 pl 88.5 Repeater  
at **1930 (7:30pm)** with digital after the  
voice part.

### **Take Note**

**The deadline for all articles for the  
Newsletter is the 25<sup>th</sup> of each  
month.**

## **Hamfest news**

The Andy ARES/RACES group hopes to have our Field Day,  
June 27 and 28, at Beaver Park in Lisbon as a one or two  
station setup. Looking for operators to work the radios. If you  
want to work during the night, than email Kieth, KE4UCW at  
[keith@anos.us](mailto:keith@anos.us) or Ivan, N1OXA at [ilazure@roadrunner.com](mailto:ilazure@roadrunner.com).



**Check the W1NPP web site for info on  
VE Exams.**

**ARES/RACES meeting canceled until  
further notice.**

**Please follow State and Local  
information**

**Denpsey Challenge has been cancelled due  
to COVID-19**

**Every Wednesday at 7pm. on 146.61, pl 88.5  
is the well check net**

**Secretary's Report**  
By Dick Knight N1NYW

The Androscoggin Amateur Radio Club held an on the air meeting on the 146.61 repeater June 3, 2020. Checking in were: w1lwt, kc1aih, k1wtx, kb1qhr, kb1iek, n1oxa, nu9c, n1dot, w1ltx, n1zrl, n1nyw, wa1skp, kc1hbl, and kg1q.

The meeting was called to order at 7 p.m. on .61 by President Lee Trask w1lwt. Jerry k1wtx filled us in on the weather conditions for the the near future. Bob w1ltx told us about some DX contacts he made in the last week.

Ivan gave a report on the amount of money spent for the Poland repeaters new coax. Today the crew built the form to hold the cement, tomorrow (June 4) the rebar and other preparations will be made for the next days pouring of the concrete by the ready mix cement truck. Then we should wait a week for the cement to cure before putting the weight of the tower on it.

Ivan will be going to St. Marys' tomorrow (June 4) to check with them about when we will be able to start having our meetings there again. If we can't go back to St. Marys' yet we will have the meeting on the .61 repeater at 7 p.m. Check the web site for the meeting location or the newsletter when the location is known.

Miriam kc1aih recommended not voting on the reports until the next eyeball meeting. The Secretary mentioned the minutes of the past meeting mentioned that there was no vote on the Treasurers and Secretary reports at the May meeting on the air.

Ivan will be busy tomorrow, he will also be checking to see if the trailer for Field Day might be available from the EMA. In case it is not available Lee has tents that can be used. Pete

n1zrl did not get any information yet on how to make the website be more smart phone friendly. Bill n1kat sends apologys for not being at the tower work today, he thought it was next week. He also mentioned keeping social distance on ham radio. Jerry invited all hands on deck to help at the Poland repeater site. Dick n1nyw mentioned that he got an email from our newsletter editor Harold n1llu about the demonstrations and destruction of the police station in Phoenix. Next Mark kg1q told about the parts for the tower base and how strong they are.

Again no votes were taken at this on the air meeting.

Respectfully submitted,

Dick Knight n1nyw Secretary

## DX REPORT

by Mark Burton, KG1Q

### **Who's Worked Liechtenstein?**

Loick HB9HBY & Greg HB9TWU will be active from Liechtenstein during July 24-26, 2020. QRV 24/7 on 80-6m; CW/SSB/FT8. On the Saturday of their activity look for a special callsign to be used. Follow them live via Facebook or Twitter. QSL via EB7DX.

### **W8S - Swains island [POSTPONED]**

The following was recently posted about the Swains Island Dxpediton. Hopefully they will make it in the spring.

*Due to the Covid-19 pandemic it is still impossible to travel to Swains Island. This means that we have to postpone our DXpedition until Spring 2021 at the earliest.*

### **N4T – Dry Tortugas Isl, NA-079**

The Dry Tortugas will be activated in July.  
Operating Days: July 21 – 24, 2020 Operators:  
W4IPC - Connor AE4MQ - Matt WX4TV -  
James KN4KVC - Zach N3KPU - Mike KE3G -  
Grace KM4SII - Mason (Pilot Station) QRV on  
80-6m SSB, CW, FT8

### **JW7QIA – Svalbard**

6 meters anyone? Peter, LA7QIA plans to be active from Svalbard from late June till early July on 50MHz. He recently posted the following message.

*I had planned a longer trip to grid square JQ68 this year with more and better equipment ....then came COVID-19! As of today Svalbard has been re-opened for Nordic citizens and my friends at Isfjord radio are expecting me, so despite the fact that I've been temporarily laid off since mid-March and not all the equipment for the planned upgrades will arrive in time, I have decided to proceed as planned. So I'll be QRV on 50 MHz from June 27 and for at least 7 days. Possibility of 70Mhz too.*

### **Coming Soon**

KH6VV/KH4, Midway Island, Oct 2020  
3Y0I, Bouvet Island, December 2020  
W8S, Swains Island, Spring 2021

Happy DX everyone,

Mark  
KG1Q

Sources:

DX World <https://dx-world.net/>  
Clublog <https://clublog.org>  
<https://bouvetoya.org/>  
ARRL DX News

# Raspberry pi for Ham Radio

By Harold Hartley N1LLU

I'm sure that some of you hams already play with the raspberry pi and maybe there are others that are not familiar with it.

## What is Raspberry pi

The Raspberry Pi is a low cost, **credit-card sized computer** that plugs into a computer monitor or TV, and uses a standard keyboard and mouse. It is a capable little device that enables people of all ages to explore computing, and to learn how to program in languages like Scratch and Python. It's capable of doing everything you'd expect a desktop computer to do, from browsing the internet and playing high-definition video, to making spreadsheets, word-processing, and playing games.

What's more, the Raspberry Pi has the ability to interact with the outside world, and has been used in a wide array of digital maker projects, from music machines and parent detectors to weather stations and tweeting birdhouses with infra-red cameras. We want to see the Raspberry Pi being used by kids all over the world to learn to program and understand how computers work.

The latest raspberry pi 4 has the ability to be a desktop computer which it has two mini hdmi ports up to a 4k display, quad core 64 bit ARM processor with wifi and bluetooth and more. Now the newest one comes with 3 options of memory. There is 2 gig, 4 gig and 8 gigs of ram and it also now can boot directly to a flash drive or a SSD.

Now I have links to sites with has lots of info to setup ham radio on a raspberry pi.

Ham Radio Packages <https://raspberrypi.com/raspbian-packages/39-raspbian-hamradio>

TNC-Pi <http://tnc-x.com/TNCPi.htm>

Setup Raspberry pi for Ham Radio <https://dl1gkk.com/setup-raspberry-pi-for-ham-radio/>

Hands on: A Ham Radio for Makers <https://spectrum.ieee.org/geek-life/hands-on/hands-on-a-ham-radio-for-makers>

Digi Mode Ham Radio Hat for Raspberry pi <http://www.nerfd.net/2018/12/14/digi-mode-ham-radio-hat-for-raspberry-pi/>

Raspberry pi Packet BBS <http://ag6qo.com/PiPBBS.html>

%0 of the most important Raspberry pi sensors and components

<https://tutorials-raspberrypi.com/raspberry-pi-sensors-overview-50-important-components/>

Building a Raspberry pi IRLP Node <http://crompton.com/hamradio/irlp/PiIRLP.html>

I will try to have more info about using the raspberry pi for ham radio for the next newsletter.

You can also find out more of what types of raspberry pi is available <https://www.raspberrypi.org>

## July Acorn Calendar 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 <b>Club Meeting</b> On the .61 repeater only.	2 1930 – ARES/RACES Net 146.61 Mhz PL 88.5	3 1930 – Ragchew net on 28.460 Mhz	4
5 1700 - MECN net on 3.940 Mhz	6 1930 AM net on 50.400	7	8  1930 –Ragchew net on 50.2 Mhz	9 1930 – ARES/RACES Net 146.61 Mhz PL 88.5	10 1930 – Ragchew net on 28.460 Mhz	11
12 1700 - MECN net on 3.940 Mhz	13 1930 AM net on 50.400	14	15 1930 –Ragchew net on 50.2 Mhz	16 1930 – ARES/RACES Net 146.61 Mhz PL 88.5	17 1930 – Ragchew net on 28.460 Mhz	18
19 1700 - MECN net on 3.940 Mhz	20 1930 AM net on 50.400	21	22	23 1930 – ARES/RACES Net 146.61 Mhz PL 88.5	24 1930 – Ragchew net on 28.460 Mhz	25
26 1700 - MECN net on 3.940 Mhz	27 1930 AM net on 50.400	28	29 <b>Club Breakfast</b> 0700 EDT at KRISTI'S CAFE on 767 Minot Ave. in Auburn, Me	30 1930 – ARES/RACES Net 146.61 Mhz PL 88.5	31 1930 – Ragchew net on 28.460 Mhz	