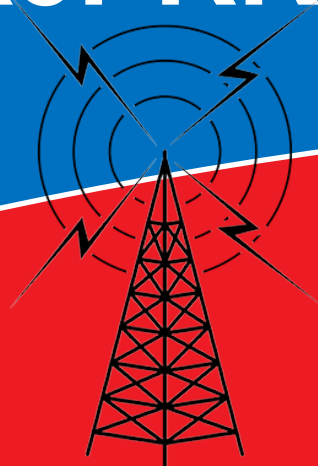


May 2020

K5PRK Newsletter



[K5PRK.Net](#)

[Facebook](#)

[IO Group](#)



Officers

President:

Sean Kelly, W5SPK

Vice President:

Tim Johnson, K5TCJ

Secretary:

Daryl Morgeson, AF5QJ

Treasurer:

Ross Watson AF5QK

Activities Director:

Tony Campbell, W5ADC

Communications Director:

Kipton Moravec, AE5IB

Webmaster

John Hatch, KF5BSS

Public Relations:

Brian Trant, KF5VFM

Newsletter Editor:

Neil Gould, NE5IL

Special Meeting Notice

7:00 pm Monday May 18th, 2020

Amateur Radio in Space – Tom Schuessler N5HYP

Join Zoom Meeting

<https://us02web.zoom.us/j/81019005696?pwd=K1dGUUpq bVNTUm8zd2Q4N1JrZzVMUT09>

Meeting ID: 810 1900 5696

Password: 702025

One tap mobile

+13462487799,,81019005696#,,1#,702025# US (Houston)

+12532158782,,81019005696#,,1#,702025# US (Tacoma)

Dial by your location

+1 346 248 7799 US (Houston)

+1 253 215 8782 US (Tacoma)

+1 669 900 9128 US (San Jose)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

Meeting ID: 810 1900 5696

Password: 702025

May 2020

In this Issue

Obviously there is not much going on as far as activities and such so I have tried to find a few items that you may not be aware of.

[WW0WWV Special Event May 2020](#)

[Contest University 2020](#) — Is Online and Free

[VE Team at Work](#)

[ARRL News "ARRL at Home Hamvention" Weekend of Specials...](#)

[CWops' CW Academy \(CWA\) offers free ...](#)

[SpaceX CREW DEMO-2 MISSION May 27](#)

[Mentor Fest](#)

[Area Nets](#)

[Ham Radio references](#)

Monday Informal Club Get Together

In addition to the regular monthly meetings we have had informal Zoom meeting on most other Monday evenings. An email is sent out each Monday with the Zoom info. A previous meeting was about the nanoVNA device that I never knew about. These meeting have been well attended and provide another way for us to keep in touch.

Tony sends out the Zoom info each Monday there is a meeting.

Future Club Meeting Programs

June 15	Field Day	Mike Tharp KG5TJF
---------	---------------------------	-------------------

Mark is doing everything to plan a 'normal' Field Day.

This may still not be a normal time. [ARRL](#) has several articles on this:

[Planning Your ARRL Field Day 2020 Operation - 14 May 2020](#)

[Creative Approaches to Field Day 2020 - 21 April 2020](#)

[Field Day 2020 - A Time To Adapt - 27 March 2020](#)

This will be discussed over the next few weeks.

May 2020

PARK Repeaters

The Plano Amateur Radio Klub operates five repeaters, which are located in Allen, Texas about 180 feet above ground level. All licensed amateur operators are welcome to join us on the air. All repeaters are open.

147.180 MHz +
(PL 107.2)
K5PRK VHF
Voice Repeater

444.250 MHz +
(PL 79.7)
K5PRK UHF
Voice Repeater

441.575 MHz +
DStar UHF
Digital Voice Port B

1295.000 MHz – 20.000
DStar 23cm
Digital Voice Port B

1255.000 MHz
DStar 23cm Digital Data

Broadcastify
[K5PRK 444.250](#)
[K5PRK 147.18](#)

WW0WWV Special Event May 2020

I just came across this announcement about the WWV on-air celebration -- May 2020. They did one last year, but, this is another. I learned something off their QRZ bio -- WWV did Friday night concerts for several months for the Washington DC area in 1920.

<https://www.kb6nu.com/ww0wwv-to-celebrate-100-years-of-wwv-broadcasts-throughout-may/>

73, Frank KR1ZAN ,Plano, TX

FYI: I worked this station last week on 20m FT8 – NE5IL

Contest University 2020 — Is Online and Free This Year

Due to the cancellation of Hamvention and the in-person Contest University, the sponsors of Contest University are offering it online and for free. It is being offered by Zoom and on DX Engineering's YouTube channel.

To register, go to: <https://www.contestuniversity.com/>

If you have never been able to attend, do not miss this opportunity.

John Robert Stratton, N5AUS, ARRL West Gulf Division Director

VE Team at Work

I did have one person at my house last weekend. A new ham to the first two classes missing only one on each test. **Paul Davis** from McKinney Congrats.

Daryl
AF5QJ

Thanks Daryl for doing this during 'stay at home' time!

COVID-19 Update: Ham-Com 2020 has been canceled.
Looking forward to seeing you in 2021!

May 2020

[ARRL News](#)

ARRL magazines

QST - ARRL's Monthly Membership Journal - www.arrl.org/qst

On the Air - NEW! Beginner to intermediate level help and advice - www.arrl.org/On-the-Air-Magazine

QEX - The Forum for Communications Experimenters - www.arrl.org/QEX

NCJ - National Contest Journal - www.arrl.org/NCJ

<http://www.arrl.org/arrl-news-coronavirus-covid-19>

On the Air Magazine

On the Air is a suite of ARRL benefits for new ham radio licensees, anchored by the ARRL bimonthly magazine,

On the Air. The magazine covers a range of ham radio interests and topics, delivering introductory techniques and stories to help anyone with a beginner-to-intermediate-level of experience. From making your first radio contact to selecting the right equipment to project building and getting involved with public service or your local clubs, *On the Air* magazine and its suite of companion benefits will help you make the most of your amateur radio license. Get active, get involved, get On the Air! If you are not an ARRL member, join!

[Read](#) On the Air magazine (Members-only)

Join ARRL
or Renew your Membership

"ARRL at Home Hamvention" Weekend of Specials Set

For the first time in its 68-year history, [Dayton Hamvention](#)[®] will not take place, due to concerns about the coronavirus outbreak. ARRL understands that many members will miss going to Hamvention, which is always an occasion to catch up with friends, explore new products, and connect with ARRL via our Expo in the exhibit area.

While we can't be together in Dayton in 2020, ARRL has put together a weekend of specials to bring a bit of the Hamvention spirit and excitement to members during what would have been Dayton Hamvention weekend, May 14 - 17. On the [ARRL at Home Hamvention](#) page, members will find a special message from ARRL President Rick Roderick, K5UR; new membership premiums; the latest products; clearance merchandise, and our "ARRL at Hamvention" button. All who make weekend purchases will receive a free ARRL button with their order, while supplies last.



Visit the [ARRL at Home Hamvention](#) page to check out all the offerings

May 2020

The **CWops' CW Academy (CWA)** offers free, remote Morse code classes at four separate levels -- beginner through advanced, running from not knowing the code at all to reaching 25 WPM. CWOps also provides a CWOps Test ([CWT](#)), an hour-long event every Wednesday at 1300 and 1900 UTC, and Thursdays at 0300 UTC. -- *Thanks to The ARRL Contest Update*



SpaceX CREW DEMO-2 MISSION

SpaceX and NASA are targeting **May 27** for Falcon 9's launch of Crew Dragon's second demonstration mission (Demo-2) from historic Launch Complex 39A at NASA's Kennedy Space Center in Florida as part of NASA's [Commercial Crew Program](#). NASA astronauts [Bob Behnken](#) and [Doug Hurley](#) will be the first two NASA astronauts to fly onboard the Dragon spacecraft as part of the Demo-2 mission to and from the International Space Station, which will return human spaceflight to the United States since the Space Shuttle was retired in 2011.

I hope it all goes well. I have missed NASA's manned launches. - NESIL

May 2020


What is SKYWARN®?

All future classes have been canceled.
Use these links for more info.

Preparedness and Storm Spotter Information

A NWS page with a huge amount of information!

NWS Fort Worth Spotter Cheat Sheet



@NWSFortWorth
weather.gov/fortworth

The Storm Spotters' Checklist

National Weather Service
Dallas / Fort Worth
1.800.792.3257

se.fwd.weather@noaa.gov
www.weather.gov/fwd/skywarn

How to Report

- Amateur Radio
- Phone
- Social Media
- mPing (text app)
- Spotter Network (text and website)
- Email

What to Report

- Type: What are you reporting?
- Time: When did it occur? Now, or earlier?
- Location of event: Where did it occur? (coordinate your location)
- How? Measured or estimated?
- Magnitude: Damage, injuries, etc.

Hail Size Estimation

1/4" Pea	1.75" Golf Ball
1/2" M&M (plum)	2.00" Hen Egg
3/4" Penny / Dime	2.50" Tennis Ball
7/8" Nickel	2.75" Baseball
1.00" Quarter	4.00" Grapefruit
1.25" Half Dollar	4.50" Softball

Supercell Clouds

Mid & Upper Level Clouds

- Clipping, cirriform or feature to spiral form
- Rounded updraft tower
- Swirls
- Overarching top

Low Level Clouds

- Rain free base
- Warm, moist air flowing into the storm (darker)
- Inflow bands
- Shelf cloud
- Wall cloud
- Tail cloud
- Rising wind, becoming more organized with time

Wall Clouds

- Are usually pronounced features
- Slope down just seconds into minutes
- Maintain their position with respect to the rain (rotate along with the rain)
- Form under a anvil, but updraft base

Shelf Clouds

- Slope down and away from the rain
- Change position with respect to the rain can move far ahead of the rain
- Found in the forward flank down of the storm
- Have a ragged, cheery look (rotating)


Flooding Reports

- Flood Magnitude: How high is the water? How high is "high"?
- Flood frequency: How often does this happen?
- Floods over behavior: Is the water moving or standing? Is it moving fast or slow?
- Do you have a picture to send us?

Wind Speed Estimation

- 32-50 mph: Whole trees in motion. Some resistance when walking
- 39-50 mph: Twigs and small branches (1/2" diameter) resistant to trees
- 47-54 mph: Chimney cones and roof tiles blown off. TV antennas damaged. Lots of tree and branch damage
- 55-63 mph: Flood damage begins. Small trees blown over or uprooted
- 64-73 mph: Widespread damage occurs. Large trees uprooted or blown over
- 74-112 mph: Severe and extensive damage. Eaves peeled off. Windows broken. RVs and small mobile homes overturned. Moving cars pushed off roads

North & Central Texas Amateur Radio Frequency: <http://ceel.org/CW/Prepares>
Additional Information: https://www.nwsdallas.org/forecasting_center.php?h=2



May 2020



Oct 17 [Mentor Fest](#) rescheduled

Time: 9:00am - 4:00pm

Location: Hella Shrine Center, 2121 Rowlett Rd., Garland, TX 75043

The Garland Hella Hams and the ARRL North Texas Section would like to invite all current and prospective Hams to attend Mentorfest! This event is a great way for Hams, especially those recently licensed, to meet and learn about a variety of subjects. Amateur radio operators have a great tradition of helping each other learn about and gain experience in the many facets of the hobby. Mentorfest is designed to build on this tradition by providing a place for Hams of all ages and experience levels to come together, exchange knowledge and make new friends while having fun and enjoying the great hobby of Amateur Radio.

- Here are some of the things you can expect at Mentorfest...
- Formal presentations on a number of topics.
- Local clubs providing information on their activities.
- “Elmers” (ham-speak for mentors) available for informal discussions on just about any topic.
- Tours of emergency communications vehicles.
- Representatives from the ARRL, ARES/RACES, REACT, National Weather Service and others showing how you can get involved.

Amateur License Testing - 1:00p - 4:00p

If you wish to test for a new license, or upgrade your existing license, bring \$14 and a photo ID.

May 2020

Local and Some HF Area Nets

MARC Nets

Sunday 8:00 PM – General Information Net – we ask participants about their week in ham radio and their thoughts on a question of interest to the ham community. W5MRC

Repeater, (146,740 MHz, offset -0.600 MHz, tone 110.9)

Monday 8:30 PM – Simplex net – see how far your VHF radio can go without a repeter
Along with general discussion. 146.520 MHz Since this is simplex, no offset or tone are Required.

1st and 3rd Mondays 8:00 PM - The MARC Ladies Net – All radio amateurs are welcome.
W5MRC repeater (146.740 MHz, offset -0.600 MHz, tone 110.9)

Collin County ARES Nets

Collin County Amateur Radio Emergency Service conducts two training nets each month. You do not need to be an ARES member to participate, all radio amateurs are welcome.

1st Sunday 9:00 PM - Collin County ARES -

K5PRK repeater, 1(47.180 MHz, offset +0.600 MHz, tone 107.2 Hz)

3rd Sunday 9:00 PM – Collin County ARES -

W5MRC repeater, (146.740 MHz, offset -0.600 MHz, tone 110.9 Hz)

SARA Nets

Wednesdays 8:00 PM – Ham Radio in Sachse –

Weekly “On-The-Air” Information Net called “Ham Radio in Sachse”.

N5LOC Repeater (145.25MHz, PL Tone 141.3Hz, Offset -0.600 MHz)

2nd and 4th Sundays 9:00 PM - Sachse Public Service Net –

ARES, RACES & Other Public Service Emergency Responders (like local CERT groups) Training.

N5LOC Repeater (145.250 PL Tone 141.3 Offset -0.60MHz)

2nd & 4th Tuesday at 7:30 pm

Simplex Net

146.40

GARC Nets

Thursday 8:00 PM – Info net – The Garland Amateur Radio Club holds an informal net open to all amateur radio operators. The net begins with check in and general announcements, followed by general discussion.

K5QHD Repeater (146.66 MHz, PL Tone 110.9 Hz, Offset -0.600 MHz)

May 2020

North Texas Hospital Net

North Texas Hospital radio club weekly nets check in with area hospitals. Friday mornings (time TBD 8:30 am or 9 am). Jimmy Dominguez is NCS. 442.400/146.700. Regular splits PL tones 110.9/110.9. All are welcome to check in from your QTH as individual.

Attention; The North Central Texas Healthcare ARC net begins at 0830 Friday and moves to 146.700, the past Fridays the 146.700 repeater has been down, with uncertainty when the 146.700 repeater will be back online, the North Texas Central Healthcare ARC will only have the 442.400 portion of the net.

HF Nets

Daily Net 11:00 AM – 9:00 PM – The Maritime Mobile Service Network – Any licensed ham (General Class or higher) can check in. This net is focused on assisting those who are maritime mobile and over the years, several distress calls have been handled by this net.14.300

Sunday 2:00 PM – Amateur Radio Satellite Net - Open net for licensed amateur satellite discussion and updates 14.282

Daily Net – OMISS – Focused on awards, particularly Worked All State (1:30 PM frequency 14.290) (8:00 PM frequency 7.185)

Many more nets are listed here <http://ac6v.com.htm>

Overland Bound

Weekly Net Every Friday night at 7:30 PM Central Time – A net for people who like to explore and take part in overland camping – hosted on the USA Grits-N-Gravy Conference Server (USA-GNG) Echolink Node: 591550 <http://www.usagritsngravy.net>

If you want to list your favorite net. Please send as much information you can to newsletter@k5prk.net

May 2020

[What is Amateur Radio \(Ham Radio?\) from ARRL](#)

(Thanks Johnnie Young)

Amateur radio is a multifaceted hobby that includes people around the world. There are about 740,000 ham radio operators in the US. The FCC has allocated [30 different frequency bands](#) from 135 KHz to greater than 275 GHz to amateur radio operators. These frequency bands are used for many different aspects of the hobby.

Some videos describing Amateur Radio:

<https://youtu.be/ysOq6ywTSzU>

<https://youtu.be/rs0i0h4OyMo>

https://youtu.be/5Z9136_Nhh4 - Classic Walter Cronkite video

Licensing:

There are [3 levels of ham radio licensing](#) in the US, Technician, General and Extra. Each level requires passing a multiple choice exam. The questions used for these exams are all [published on the web](#).

Study Aids:

Students can study for their license exam(s) in several different ways.

- Take a class
- Study training books. These are two of the most popular
 - [ARRL Technician Study Guide](#)
 - [Gordon West 2018 to 2022 Technician Class](#)
- View video classes
 - https://youtu.be/RGluTpM7_K8
 - https://www.youtube.com/watch?v=N6aFXH_SQUo&list=PL07A7D1C9D7BF7F48
- Take practice Exams
 - <https://www.eham.net/exams>

Taking the Exam:

Exams are offered by many clubs [around the metroplex](#). The Sachse club gives exams 9:00 [each 2nd Saturday at the Wylie Masonic Lodge](#).

Other Ham Radio Related Links:

Sachse Radio Club: <http://www.sachseradio.org/>

Largest/Oldest Ham Radio Org: <http://www.arrl.org/home>

Local Ham Radio Outlet Store <https://www.hamradio.com/locations.cfm?storeid=20>

Finding a nearby Club: <http://www.arrl.org/find-a-club>

Ham Radio Mesh Network: <https://www.arednmesh.org/aredn-advantage>

Amateur Radio Satellites: <https://www.amsat.org/>

Ham Radio Repeaters: <https://www.repeaterbook.com/>

Other videos:

HAM Radios: Quick and Easy Way to Get Into HAM Radio Hobby: <https://youtu.be/t0sMDRLGB3Q>

HAM Radio Basics- HAM 101: <https://youtu.be/Ow1hxClR5J8>

Numerous Dave Casler Videos: <https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>

May 2020

SPACE STATION CREW USES HAM RADIO TO CALL EARTH [HTTPS://YOUTU.BE/H73EYCYSZF8](https://youtu.be/H73EYCYSZF8)

Listen to episodes of ARRL Audio News on your iOS or Android podcast app, or online at <https://blubrory.com/arrlaudionews/>

Various Ham Radio Activities:

- Local/Regional communications
- World wide communications using Digital network linked repeaters
- World wide radio to radio communications
- [Contests](#) – Making as many contacts as possible
- Fox hunts – Finding a hidden transmitter
- Amateur Radio Satellite
- Supporting local events
 - Races (marathons, bike races, etc.)
 - Plano balloon festival
 - Parades
 - 4th of July events
- Extending RC aircraft video and telemetry
- Amateur Radio Emergency Data network (Network when the grid goes down.)
- Winlink – Email via ham radio
- Skywarn – Storm spotters (Most storm spotters report via ham radio.)
- Amateur Radio Emergency Services (ARES)
- Radio Amateur Civil Emergency Services (RACES)
- Antenna design/building
- CW (Morse code) communications
- DXpeditions – Location in an remote area (usually islands) for a short period of time and making as many contacts as possible.
- Summit On the Air – Transmitting from mountain summits
- JOTA - Jamboree-on-the-Air – Boy Scouts
- RF experimentation. Many [Maker groups](#)
- [High altitude balloon experiment](#).

May 2020

Member Spotlight

I would like to publish a member spotlight each month. If you would like to let others know more about yourself please consider writing up an article. Send it to me, newsletter@k5prk.net, by the 1st of the month.

May 2020