

Feb 2021



# K5PRK Newsletter

Social Media

[K5PRK.Net](http://K5PRK.Net) [Facebook](#) [IO Group](#)



## Officers

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**Kipton Moravec, AE5IB**

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**John Hatch, KF5BSS**

Public Relations:

**Brian Trant, KF5VFM**

Newsletter Editor:

**Neil Gould, NE5IL**

## Special Zoom Meeting Notice

**Monday Feb 15, 2021 - 7:00 pm**

**Weather Radar Fundamentals - Samiee Espinoza WX5JMD**

[Join the Zoom Meeting](#)

## In this Issue

[New PARK members!](#)

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[Secretary Minutes and Notes from Jan](#)

## Future Club Meeting Programs:

March 15, 2021	HF Mobile Installation and Operation	Robert Evans WW9W
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Meet informally on the PARK repeater,

**147.18, Thursdays starting around 8:00 p.m.** Think of things you want to talk about, tell us about your shack, questions about something you are having difficulties with and anything you want to talk about.

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**Welcome new PARK members:**

Dillon Wylie – KI5LPN  
Lester Cooper – N5LLC  
Jerry Schieffer – WB5NRN  
Bradley West – K5CMO  
Robert Bytheway – K3DIO  
David Fedorko – KF5PFC  
Godwin Duan – KI5KGU



**Field Day 2021**

**ARRL to Extend Field Day Rule Waivers from 2020, Add Class D and E Power Limit**

The COVID-19 pandemic-modified [ARRL Field Day](#) rules from 2020 will continue this June with the addition of a power limit imposed on Class D (Home Stations) and Class E (Home Stations-Emergency Power) participants. The news from the ARRL Board's Programs and Services Committee comes as many clubs and groups are

starting preparations for Field Day in earnest. Field Day 2021 will take place June 26 - 27.

"This early decision should alleviate any hesitancy that radio clubs and individual Field Day participants may have with their planning for the event," said ARRL Contest Program Manager Paul Bourque, N1SFE.

For Field Day 2021, Class D stations may work *all other* Field Day stations, including other Class D stations, for points. This year, however, Class D and Class E stations will be limited to 150 W PEP output.

For Field Day 2021, an *aggregate* club score will be published -- just as it was done last year. The aggregate score will be a sum of all individual entries that attributed their score to that of a specific club.

ARRL Field Day is one of the biggest events on the amateur radio calendar. Last summer, a record 10,213 entries were received.

"With the greater flexibility afforded by the rules waivers, individuals and groups will still be able to participate in Field Day, while still staying within any public health recommendations and/or requirements," Bourque said.

The [ARRL Field Day](#) web page contains complete rules and entry forms, as well as any updated information as it becomes available. Join the ARRL Field Day [Facebook group](#). Read [an expanded version](#).

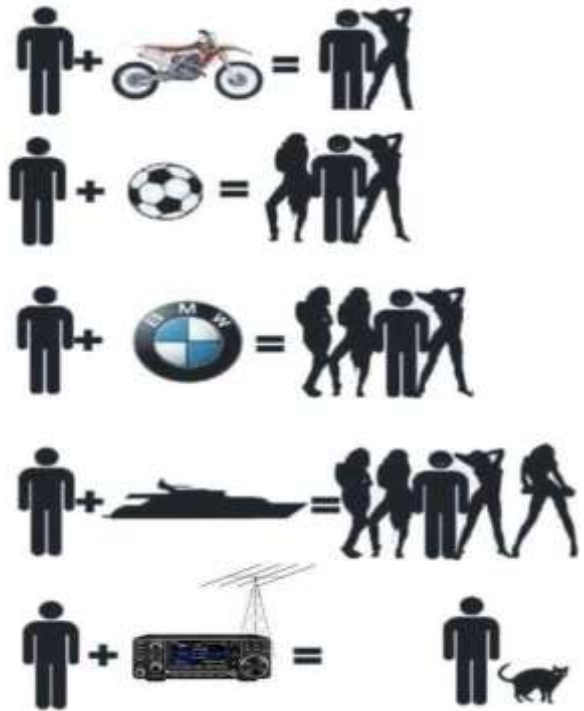
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Thanks to <https://www.facebook.com/groups/Amateur.Radio.Funnies>

**FOUND A RECEIPT FOR \$400. THOUGHT  
IT WAS FOR VALENTINE'S DAY**



**HE BOUGHT ANOTHER HT**



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## 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](#)

**Note: If you notice problems with any of the club's repeaters, please contact [communications@k5prk.net](mailto:communications@k5prk.net) via email with a detailed description of what the issue is. If we don't know that a repeater is down, we can't fix it.**

## Short Takes

The VE testing session usually held before the PARK Meeting is temporally suspended because of following social distancing procedures. If you are interested in testing at another site, please contact Daryl Morgeson, AF5QJ at [AF5QJ@arri.net](mailto:AF5QJ@arri.net)

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The [QSO Today Virtual Ham Expo](#) will return March 13 - 14 for a full 48 hours. [Registration](#) is required, and to help cover the costs of staging this event, there will be a charge to attend. Advance tickets are \$10 (\$12.50 at the "door") and include entry for the live, 2-day show as well to the 30-day on-demand period. At the Expo

### This Week in Amateur Radio

#### Amateur Radio Roundtable - W5KUB - Live ham show every Tuesday night 8:00 PM Central Time

The **WSJT Development Group** is pleased to announce the general availability (GA) release of **WSJT-X Version 2.3.0**. A summary of new features can be found in the WSJT-X 2.3 User Guide here:

[https://physics.princeton.edu/pulsar/k1jt/wsjsx-doc/wsjsx-main-2.3.0\\_en.html#NEW\\_FEATURES](https://physics.princeton.edu/pulsar/k1jt/wsjsx-doc/wsjsx-main-2.3.0_en.html#NEW_FEATURES)

Release candidate: **WSJT-X 2.4.0-rc1**

We are pleased to announce availability of a release candidate for WSJT-X 2.4.0, introducing a new digital mode called **Q65**.

Q65 is designed for making two-way QSOs over especially difficult propagation paths such as troposcatter, ionospheric scatter, rain scatter, EME, and other types fast-fading signals. Full details about Q65 submodes and their capabilities are provided in the Quick-Start

Guide to Q65 [https://physics.princeton.edu/.../k1jt/Q65\\_Quick\\_Start.pdf](https://physics.princeton.edu/.../k1jt/Q65_Quick_Start.pdf)

NOTE from NE5IL: I am not a big talker and don't have the best station. I have been using WSJT for FT8 and FT4 contacts for a while. This week I made a few European 'contacts' on 20 meters. Some say this isn't 'ham radio' but it keeps me active, on the air, and is fun especially during the solar minimum. If you haven't tried these digital modes, give it a try.

### Get Ready for the Feb. 18 Mars Landing

In about two weeks the Mars Perseverance rover will touch down on Mars. There are many ways you can join virtually and take part. [More Info](#)

[Find hams in your neighborhood.](#)

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### Fox hunt in Plano Jan 23

Successful hunters this weekend were:

Robert Hill KG5WRY  
Richard and Patti Jennings N5PMU  
Lisa Williamson K5WCL  
Payton Williamson W5PRW  
Kayden Williamson K5KDW  
Keltie Williamson N5KLW  
Kevin Williamson W5PKK  
Katherine Forson KT5KMF  
Bob Romans KI5GRN  
Jason Shipley KF5LJC  
Buddy Shipley KF5LJD  
Tony and Mary Campbell W5ADC  
Neil Gould NE5IL  
Kipton Moravec AE5IB  
Hash and Avery Salehi AG5OW

Congratulations to everyone who found Wheatley! He really enjoyed his field trip to Plano! He was hiding behind Windy City Wire on 10th St off of Jupiter Rd.

73

Katherine KT5KMF  
Driver K5WFR





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### ***Testing an Attenuator***

***DON'T BELIEVE EVERYTHING YOU SEE ON EBAY***

TONY CAMPBELL-W5ADC

I have started to get equipment collected to do Fox hunting. After a couple of attempts it was obvious that I needed some additional attenuation if I was going to use a yagi antenna to do directional finding. A quick eBay search turned up the following. These are available from several sellers. The sell price is about \$36 and has the following published specifications.



Attenuation Range / Step: 0 to 82dB, 1dB step

Frequency range: DC to 250 MHz

Power rate: 0.25W

Insertion Loss: <0.5dB

Impedance: 50 Ohm

Connection: M / PL259 female

8 Stepping Range: -1dB / -2dB / -3dB / -6dB / -10dB / -20dB / -20dB / -20dB /

So, I thought this would be a rather good value. Granted the specifications do not go up to 433 MHz, but it seemed to be a good compromise. I was not too concerned if the accuracy degraded above 250 MHz.

Since I have one of the nanoVNA's I thought this would be a perfect test to see how good the test results were.

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### Testing the Attenuator

I calibrated the nanoVNA with the open, short, load method and calibrated out the through cables I was using for the measurement since I had to go from SMA to UHF connectors. That all looked nice and flat.

I hooked up to the attenuator and had it set to 0 attenuation. Below is the plot swept from 1 MHz to 500 MHz with markers at 1 MHz, 146 MHz and 250 MHz.

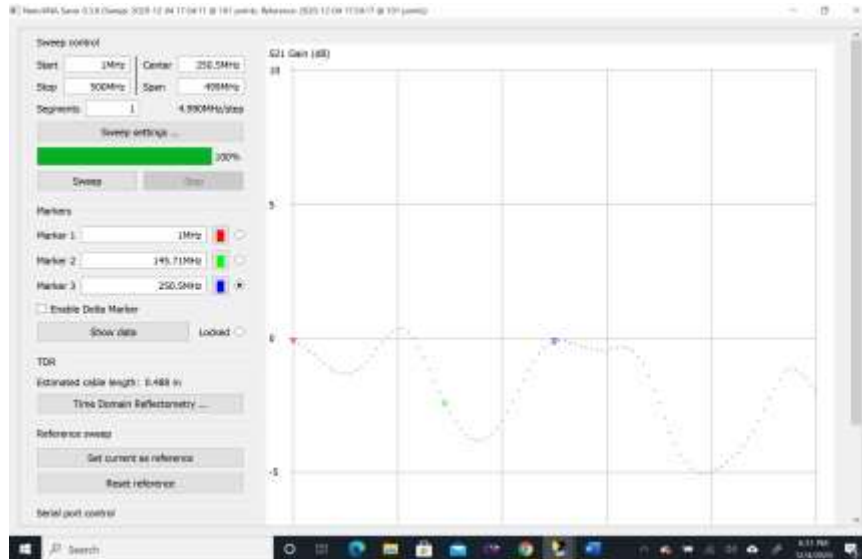


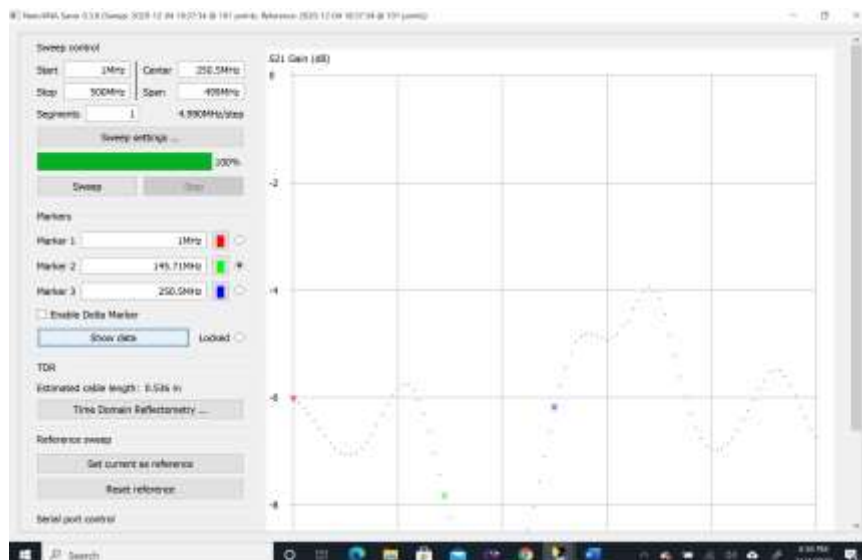
FIGURE 1 0 dB

This presented the first interesting set of data.

	1 MHz	146 MHz	250 MHz
S21 Gain (dB)	-0.1	-2.4	-0.12

Just so that numbers don't confuse anyone, the nanoVNA S21 measurement measures gain, so attenuation is expressed as a negative number.

I measured a few more settings on the unit.



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FIGURE 2 6 dB

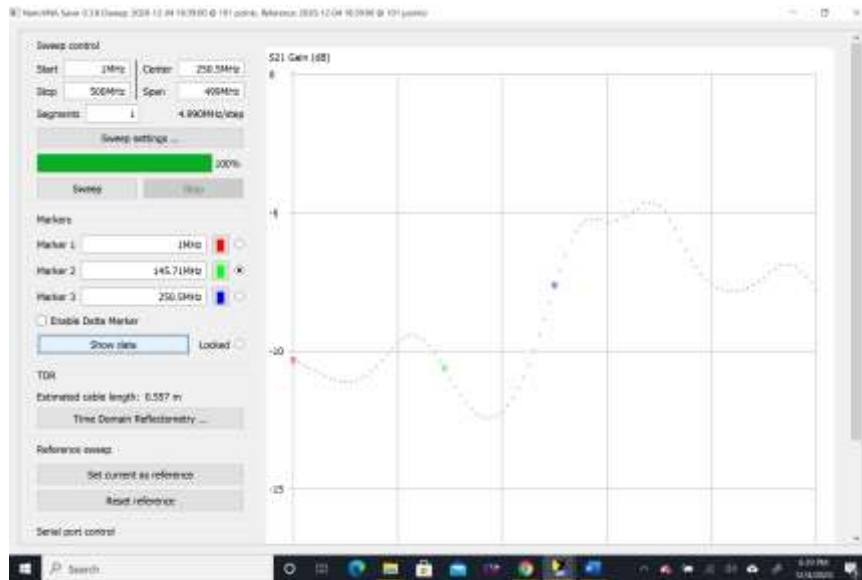


FIGURE 3 10 dB

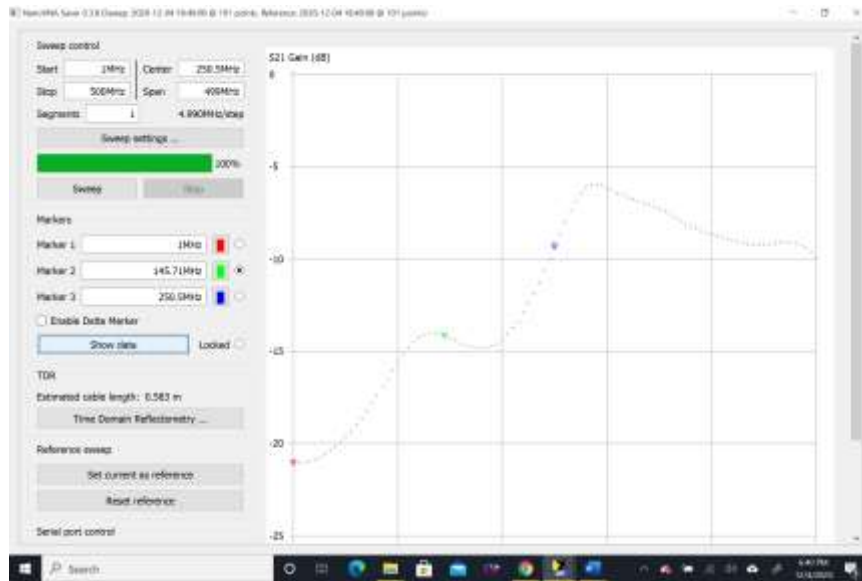


FIGURE 4 20 dB

Here is a summary of the results

Attenuator Setting	1 MHz	146 MHz	250 MHz
0 dB	-0.1	-2.4	-0.12
3 dB	-3.1	-5.3	-3.8
6 dB	-6.0	-7.8	-6.2
10 dB	-10.3	-10.7	-7.6
20 dB	-21.1	-14.2	-9.3
40 dB	-41.9	-16.6	-11.0
60 dB	-59.9	-20.0	-13.3

In summary you can clearly see that at low frequencies the unit is pretty good. At would indicate that the resistors used for the attenuator were calculated properly and have reasonable accuracy. At any frequency above about 20 MHz and



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the accuracy drops quickly. At VHF and above it is useless.

To make sure I did not have any issues with my test equipment, I used a HP 8495B step attenuator to make similar measurement with the same calibration setup. This is a good attenuator rated up to 18 GHz and even used they sell for 10x the cost of the one purchased. Here are the measured results with the same test setup.

Attenuator Setting	1 MHz	146 MHz	250 MHz
10 dB	-10.0	-10.2	-9.8
20 dB	-20.2	-20.3	-20.0
30 dB	-30.1	-30.2	-30.0
40 dB	-40.0	-40.1	-40.0
50 dB	-49.8	-49.9	-50.2
60 dB	-59.9	-59.8	-62.3

***Big take away from this testing***

1. You get what you pay for.
2. The nanoVNA is surprisingly good.

***Update***

I contacted the vendor about this issue. He offered to send me another attenuator. I received it and repeated the test. Both had the same performance. I communicated this. I returned both attenuators and a refund was issued in a timely manner.

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## ARRL News

### ARRL magazines

QST - ARRL's Monthly Membership Journal - [www.arrl.org/qst](http://www.arrl.org/qst)

On the Air - NEW! Beginner to intermediate level help and advice - [www.arrl.org/On-the-Air-Magazine](http://www.arrl.org/On-the-Air-Magazine)

QEX - The Forum for Communications Experimenters - [www.arrl.org/QEX](http://www.arrl.org/QEX)

NCJ - National Contest Journal - [www.arrl.org/NCJ](http://www.arrl.org/NCJ)

## ARRL Podcasts Schedule



The *On the Air* podcast is a monthly companion to *On the Air* magazine, ARRL's magazine for beginner-to-intermediate ham radio operators.

The latest episode of the *On the Air* podcast (Episode 13) features a discussion with Curt Laumann, K7ZOO, about his success in boosting activity at the University of Arizona amateur radio club.

The latest edition of *Eclectic Tech* (Episode 26) discusses synchronous AM reception and includes an interview with Dave Tipping, NZ1J, about a novel approach to boost foxhunt participation



The *On the Air* and *Eclectic Tech* podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).

The new ARRL North Texas Website is now Live <https://arrlntx.org>  
Get the latest Section News.

**ARRL Learning Network's new speaker forum/seminars** <http://www.arrl.org/arrl-learning-network>

These are 30 minutes presentation with 15 minutes allotted for Question and Answer session following the presentation These presentations are online using GoToWebinar which is safe Industry standard software.

Check out the ever growing [list of presentations](#).



### Interesting Stories about Ham Radio & Weather Spotting

Presented by Rob Macedo, KD1CY

Thursday February 11, 2021 @ 8 pm EST (0100 UTC on Friday, February 12)

### Maxim Memorial Station W1AW Tour

Presented by Joe Garcia, NJ1Q, W1AW Station Manager

Thursday February 18, 2021 @ 3:30 pm EST (2030 UTC)

### Talking to Astronauts: An Elementary School's Exciting ARISS

Presented by Diane Warner, KE8HLD

Tuesday, March 2, 2021 @ 1 pm EST (1800 UTC)

## [2020-2021 ARRL Contest Dates PDF](#)

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## 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 repeater  
Along with general discussion. 146.540 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.

**1<sup>st</sup> Sunday 9:00 PM - Collin County ARES -**

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

**3<sup>rd</sup> Sunday 9:00 PM – Collin County ARES -**

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

**SARA (Sachse Amateur Radio Association) Nets Wednesdays 8:00 PM** – Ham Radio in Sachse – Weekly “On-The-Air” Information Net called “Ham Radio in Sachse”.

**W5SRA Repeater (440.350MHz, PL Tone 110.9, Offset +5MHz)**

You can see more about our club repeater here: <https://www.sachseradio.org/repeater>

**2<sup>nd</sup> and 4<sup>th</sup> Sundays 9:00 PM - Sachse Public Service Net –**

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

**W5SRA Repeater Repeater (440.350MHz, PL Tone 110.9, Offset +5MHz)**

### LARC Nets

**Tuesday 8:00 PM – Open Net** - The Lucas Amateur Radio Club holds an informal net open to all Amateur Radio operators.

K5LFD Repeater (442.2125 MHz, offset +5.0 MHz, tone 91.5)

**Wednesday 8:00 PM – Simplex Net** – An informal repeaterless net on 146.54 MHz to gauge the effectiveness of our VHF capabilities.

### 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)

### 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.

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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

[Search for 100s of nets.](#)  
[On-Air Net Scraper](#)

**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>

## Daily 60 Meter Net 12:30 PM –

Test your 60 Meter capability on Channel 1 5332.0 MHz (5330.5 MHz window freq).

If you want to list your favorite net please send as much information as you can to [newsletter@k5prk.net](mailto:newsletter@k5prk.net)

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## **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](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://youtu.be/RGluTpM7_K8)
  - [https://www.youtube.com/watch?v=N6aFXH\\_SQUo&list=PL07A7D1C9D7BF7F48](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 2<sup>nd</sup> 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>

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Numerous Dave Casler Videos: <https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>  
 SPACE STATION CREW USES HAM RADIO TO CALL EARTH <HTTPS://YOUTU.BE/H73EYCYSZF8>

Listen to episodes of ARRL Audio News on your iOS or Android podcast app, or online at <https://blubrry.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
  - 4<sup>th</sup> 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](#).



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**PARK members who have not renewed for 2021.**

We are asking you to renew as soon as possible.

We have 66 members who have renewed. We need at least 90 members to renew to help keep us able to meet our obligations. We would appreciate if you intend to renew to please do so as soon as possible.

You can mail a check to

Plano Amateur Radio Klug  
PO BOX 860435  
Plano, Tx 75086-0435

Or you can pay through PayPal located on the web site under 'Dues' located at the top of the home page.

**Ham Club on line**

To all members;

Especially to those who have renewed their PARK membership for 2021, please log on at

<https://www.hamclubonline.com/> and check your information as indicated below;

call sign  
name  
address  
email  
phone number

Most do not have a phone number, which is fine, but I do need your email address since this is the way I will be able to communicate with you. If you do not want your email visible to others, let me know and I will go in and hide it.

If you know of a new member, please give them my email address, [secretary@k5prk.net](mailto:secretary@k5prk.net) because for some new members who paid through PayPal I do not have the call sign and I really need that info.

If you can not log in please make yourself an account and add PARK to your list of clubs. It will send me an email to approve you, which I will and thereby be able to get the above info.

If you have any problems, please contact me at [secretary@k5prk.net](mailto:secretary@k5prk.net) or text me at 972-965-2000.

Thanks so much for your help

Johnnie – KG5CQO

Secretary

PARK Members,

I would appreciate if every member would fill in the following registration form. I am particularly in need of the information concerning ARRL. To continue to be considered an ARRL Affiliate Club we need to have 51% of our members to also be members of ARRL. If you were considering it, please join.

Thank you for considering this.

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## PLANO AMATEUR RADIO KLUB

### Application for Membership

Annual KLUB Membership (Individual).....	\$30.00/Year	
Family Membership (Immediate Family Members).....	\$40.00/Year	
Student Membership (18 and Under).....	\$ 5.00/Year	
D-STAR Gateway Registration .....	\$50.00	

### *For The Treasurer Only*

Total Amount Paid (Circle One: Cash or Check # \_\_\_\_\_) \$ \_\_\_\_\_

---

Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_ Apt: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

Occupation: \_\_\_\_\_ Birthday: \_\_\_\_\_

ARRL Member ? \_\_\_\_\_ ARES Member ? \_\_\_\_\_

#### **Published Membership Information**

The PARK Membership Information is available on the club web site <http://www.k6prk.org> to only paid members. It is the responsibility of the individual member to populate the member profile with the desired information. PARK information will be emailed to members via the web site mailing list.

The Plano Amateur Radio Klub (PARK) is an organization which thrives on the support and participation of ALL KLUB Members. Volunteers are needed regularly for the support of KLUB activities, manning technical projects, staffing organizational or social committees and providing communications for public service events.

Are you willing to stand for election to a PARK Office and/or Director Position? Yes \_\_\_\_\_ No \_\_\_\_\_

Will you agree to support PARK, to keep it strong and thriving? Yes \_\_\_\_\_ No \_\_\_\_\_

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### Hammarlund HQ-180 and Matching Speaker Donated Receiver for Sale



More High-Resolution Pictures

<https://drive.google.com/drive/folders/1mjwLQs2mYnluviDoE6EGtBCpEU91V2P?usp=sharing>

#### General Condition

- Electrical
  - The unit was reported to be recapped in the 80's
  - When I received it, using a variac I slowly increased the voltage
  - The unit does receive, but I am sure it needs a good tune up
  - I have received, AM, USB and LSB signals
  - I have not tested some of the functions; Slot Frequency, Noise Limiter
  - The crystal calibrator works
  - The clock does not work
- Physical
  - Generally, in very good condition
  - I think the chassis was repainted at one time in its past
  - It is currently a bit dusty, but should clean up nice
  - All the controls operate smoothly

#### Sale Price \$250.00

- All funds will go to the Plano Amateur Radio Klub (PARK)
- Since PARK is a 501c3, we can provide a donation receipt
- This is an AS-IS sale, and the sale is final
- Unfortunately, due to COVID restrictions you will need to make the purchase based on the photos supplied.
- If you have any questions about the unit, please send them to [tony@w5adc.com](mailto:tony@w5adc.com) .

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## January 18 meeting minutes:

Start time: 7:05 pm  
Location: Via Zoom  
Facilitator: Tim Johnson – K5TCJ – Vice- President

Members 19

Guest 4

President Sean Kelly -- W5SPK

Not in attendance

Vice-President Tim Johnson – K5TCJ

Agenda:

Officers Reports

President Sean -- Kelly W5SPK  
Vice-President Tim Johnson -- K5TCJ  
Secretary Johnnie Young – KG5CQO  
Treasurer Ross Watson -- AF5QK  
Communications Director Kip Moravc -- AE5IB  
Newsletter Editor Neil Gould -- NE5IL  
Webmaster John Hatch -- KF5BSS  
Public Relations Brian Trent -- KF5VFM  
Activities Director Tony Campbell -- W5ADC  
Field Day Coordinator Mike Tharp -- KG5TJF

Officers Reports

Old Business – from the floor  
New Business – from the floor  
Tonight's Presentation  
Solar Weather – Stan Starks – NW5Q  
Close

President's Report Sean Kelly –W5SPK

Not in attendance

Report presented by Vice-President Tim Johnson – K5TCJ

Les Bannon – WF5Eis now a SK

He was a member of the club for many years. There is a write-up about him in the newsletter.

Vice-President's Report Tim Johnson – K5TCJ

Programs

January 18, 2021

Solar Weather

Stan Starks – NW5Q

February 15, 2021

Weather Radar Fundamentals

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Samiee Espinoza – WX5JMd

March 15, 2021

HF Mobile Installation and operation

Robert Evans – WW9W

PARK Recurring Activities

Every Thursday Night – Informal Net – at 2000

Late Riser Breakfast – Saturdays @ 0530

Recommend following Social Distancing Protocol

'No Name' Riser Breakfast – Saturdays @ 0900

Recommend following Social Distancing Protocol

February Meeting Schedule

February 1, 2021 Board Meeting

February 15, 2021 General Membership Meeting

March Meeting Schedule

March 1, 2021 Board Meeting

March 15, 2021 General Membership Meeting

April Meeting Schedule

April 1, 2021 Board Meeting

April 15, 2021 General Membership Meeting

Secretary's Report Johnnie Young – KG5CQO

[secretary@K5prk.net](mailto:secretary@K5prk.net)

General Meeting Minutes

December minutes are in the newsletter and have been uploaded to PARK IO groups and are on the web site.

Any questions about the minutes?

None.

I sent out an email using HamClubonline with a copy of the membership form. Please send me that information. I especially need to know if you are a member of ARRL, so I can update that information on the ARRL web site. We need a percentage to remain an ARRL affiliate club. You can mail the form, send it by email, or log onto HamClubonline and let me know if the information is correct.

At present time we have 73 members.

Any questions?

None

Treasurer's Report Ross Watson – AF5QK

Not in attendance

Report given by Johnnie Young – KG5CQO

Balance, expenditures, and deposit were given with new ending balance.

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Communications Director Kip Moravc -- AE5IB

D-Star was down for a while.

If there is a problem please send an email to [communications@k5prk.net](mailto:communications@k5prk.net)

We got rid of one rack and put one in its spot to hold that place.

Working on getting the climb done at Prestige. Concerned about what it will cost

We have a radio that is able to do VARA on UHF which is good for Winlink

Newsletter Editor Neil Gould – NE5IL

Newsletter is good, due to the content members send in

Send items to [newsletter@K5prk.net](mailto:newsletter@K5prk.net)

If you see anything that needs to change, please send an e-mail.

Webmaster John Hatch – KF5BSS

Web site is K5prk.net

If need a log-in send an e-mail to [webmaster@K5prk.net](mailto:webmaster@K5prk.net)

Any articles for the web site

Any help with io groups

Io groups has a place for forum for radio type discussions

Any issues let me know at [webmaster@K5prk.net](mailto:webmaster@K5prk.net)

Public Relations – Brian Trant – KF5VFM

Not in attendance

Nothing to report due to social distancing protocol

Activities Director Tony Campbell—W5ADC

Not much going on at this time.

Working on the repeater

Field Day Coordinator Michael Tharp – KG5TJF

Not in attendance

Nothing to report

Old Business

None

New Business

There will be no Ham Com this year

Board met with Fred Varian, WD5ERD, and discussed ideas that will be brought back to the Ham Com board of directors

Tonight's Presentation –

Solar Weather – Stan Starks – NW5Q

Actually, it is Space Weather and the impact on the Solar System especially



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Earth. The Sun has magnetic qualities and its rotations are not even. They twist the magnetic fields which cause issues. The sun spots are compact magnetic fields which occur in about 11 - year cycles.

Over the years there have been some severe Solar Events. HF propagation has been impacted. There have been radio blackouts and it can severely affect satellites and GPS. As the events settle, there could be good propagation. Since these events affect the use of ham radios, it is a good idea to learn about these affects and how to prepare for that effect on radio communications. There is now a Ham Nation webcast where Dr. Tamitha Skov, WX6SWW, give a forecast of this type of information, Space Weather.

Thanks to Stan Starks, NW5Q, for this informing presentation.

Motion to adjourn was made and all agreed.

Adjourned; 8:22 PM