

K5PRK Newsletter

The PARKing Ticket

K5PRK.Net [Facebook](#) [IO Group](#)



Officers

President:

Tim Johnson, K5TCJ

Vice President:

**Anthony Bourkas –
KB3DVS**

Secretary:

Johnnie Young, KG5CQO

Treasurer:

Mike Tharp – KG5TJF

Activities Director:

Richard Seitz – KG5HCJ

Communications Director:

Dick Thiot N5FCB

Webmaster

**James McCormick
KG5KBP**

Public Relations:

Dan Daniels, W5KKO

Newsletter Editor:

Neil Gould, NE5IL

Monday Jan 15, 2024 – 7:00 pm Surprise Program

The **General Klub Meeting will be** at the [First United Methodist Church Plano](#) on the corner of Parker Rd and Spring Creek.

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Future Club Meeting Programs:

Jan 15, 2024	TBD	
Feb 19, 2024	TBD	

The **Collin County SKYWARN training for 2024** will be **Saturday January 20, 2024** at the PISD Sockwell Center. The [attached preliminary flyer](#) has additional information regarding the training location and schedule as of 12/31/2023.

This In-Person SKYWARN training presented by the National Weather Service is one of only two Saturday training sessions currently scheduled for 2024. We would like to thank the Plano Office of Emergency Management and Plano ISD for their partnership in providing a space for the 2024 training.

Please help spread the word that this free training is available for those involved in severe weather spotting functions for the National Weather Service and Public Safety as well as the general public.

Questions and comments may be directed to me.

Fred Varian WD5ERD
EC Collin County ARES
972-333-6156
fred.varian@gmail.com

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

**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.**

From the President

Happy New Year

As you are all aware, we updated the PARK logo last year to help celebrate PARK's 50th anniversary as the Ham Radio Klub in Plano. Now that we've commemorated our past, PARK is looking forward to many more years on Plano and Collin County. We've updated our logo once again, with the words "and counting..." to remind us of where we've been, and that we are working on making the next 50 years even better.

We have a lot to look forward to in 2024. Winter Field Day is just around the corner; and of course, there is a years' worth of contests and other operating events to fill your logbook with the elusive ATNO's (All-Time-New-Ones).

Speaking of ATNO's, I challenge us all to try something new this year. If you don't now CW, set a goal to learn it. If you know CW, set a goal to improve your proficiency. If Phone is your thing, try any one of the Digital modes (there's plenty to choose from). If Digital is your thing, try Phone (you may find that a relaxed rag-chew is a nice change of pace). Chase DX, Chase Grids, Work on Working All States, work on DXCC, Build a new antenna, Work a Satellite (did you know there's a new FM bird up now... SO-121). And last but not least ... share your knowledge and become an Elmer / Mentor / License Class Instructor / Volunteer Examiner. We all know things and we all can learn new things.

The opportunities are endless!

As if that's not enough, there's camaraderie when attending our monthly meetings, and with contests, QSO Parties and Special Event stations, there's nothing keeping you from "Getting On The Air"!

If you haven't already done so, it's not too late to renew your membership in PARK. I encourage all members to renew their membership this month. Your dues allow the continued operation and upgrades to PARKS repeaters, and other sponsored events.

73, and see you on the air,

**Tim Johnson K5TCJ
President PARK**

Repeater Update

The repeater team continues to work on the installation of a new repeater at Medical City Plano. With the site identified and prepped, we will be installing the rack cabinet in the next couple of weeks. Once in place, we will begin the process of installing radios and other support equipment including antennas. Watch for more news next month!

Treasurer Report

Beginning Balance - 1/1/24		Pre-approved Expenses	
Prosperity	\$ 11,855.12	Funded Projects	\$ 1,729.51
PayPal	\$ 1,464.96	Annual Recurring Costs	\$ 2,707.40
Petty Cash & Checks	\$ 119.00		
Beginning Balance Subtotal	\$ 13,439.08	Pre-approved Expenses Subtotal	\$ 4,436.91
Planned Debits		Available Funds	\$ 8,873.41
AT&T	\$ (53.76)	Minimum Reserves	\$ 4,000.00
Debits Subtotal	\$ (53.76)	Funds Available for 50th Anniversary	\$ 4,873.41
First Methodist Debits	\$ (75.00) \$ (128.76)	Expected 50th Anniversary Costs	\$ (600.00)
Ending Balance	\$ 13,310.32	Remaining funds	\$ 4,273.41

Informal PARK net

Every Wednesday night at 8:00pm on the PARK repeater, 147.180 with a PL tone of 107.2 offset. Everyone is welcome and encouraged to join in the conversation and it's a good place to ask about computer or ham radio subjects, or anything else that's on your mind. We don't think that there are any dumb or stupid questions. We encourage questions and will help you find an answer.

The only rule is no politics, crude or offensive language, and no religion because we are here to have fun and maybe learn something new.'

P. S. There is usually a few people on the repeater every night at 8:00pm talking about one thing or another and having fun! We encourage everyone to join us!! – **Michael K5MFP**

[SOLAR ECLIPSE QSO PARTY SEEKS AMATEURS AND RADIO ENTHUSIASTS FOR GLOBAL EXPERIMENT](#)



PARK should take advantage of being right the path of the total eclipse on April 8 by participating. What are some ideas? Set up a field day type station in a public area? The [Solar Eclipse QSO Party rules](#) can be found here. If you have other ideas or interested in participating please let [Neil](#) know

In 2023, The Plano Amateur Radio Klub celebrated its 50th Anniversary.

At the end of 2022, VP Anthony Burokas volunteered to chair the 50th committee to lay out and step through celebratory activities through the year. One essential tool that he used as part of this process was an open Google Doc that he continually updated throughout the year, and was open to any board member to review at any time. This is where tasks were laid out in 'chapters' and status was updated on a weekly basis.

At the beginning of the year, two of our club members, Dick Thiot and his son Skyler volunteered to make modifications to the club's logo and add a 50th to the middle, as well as the year of incorporation and the current year to the circle surrounding the center. This logo was used on the club's web site, special anniversary QSL card, e-mail signatures, t-shirts, pins, badges and more.

Anthony leveraged the website and created a special 50th Anniversary menu item with dedicated sub-pages for club history, the Golden Jubilee Dinner, a Member Activation Contest, and links to purchase 50th anniversary merchandise. While there is incentive to use an online store and mark up items to use the occasion as a fund-raising opportunity, we chose not to. Any charge was the merchant's charge with nothing else added to keep things as affordable as possible for club members.

Speaking of pins, Anthony commissioned a company to make a set gold lapel pins with the 50th logo that were to be giveaways to past presidents and more at the club's 50th anniversary Golden Jubilee Dinner. They turned out quite nice and the special glitter background was available at no additional cost. There were extra so they were also given away to Member Activation Contest winners as well. There are dozens of companies easily findable that do this and the pins were very well received special items to help mark the club's anniversary.

Our club president Tim Johnson worked with The Signman (dot com) to create two versions of the club badge that anyone in the club could order with the 50th anniversary logo. Anthony used CafePress to select different shirts for men or women, mouse pads, mugs and other items to be made available for purchase. The nice thing with an online store like this is that the club does not have to purchase or invest anything in advance. It's all printed and shipped on demand.

Our club's PR chair Dan Frances oversaw the design of the club's QSL card with a local print shop. This would be used as the return QSL card for any station that sent in their QSL as part of the club's K5PRK/50 Member Activation Contest.

The Contest

Anthony worked with Dave Koch the club's resident CW master, who is also very well versed in logging solutions, to find a way for the club to set up a contest for members to "activate" the club's call sign /50 on the air, and log contest contacts to a central database that all contestants could see throughout the year. This was a particularly tough solution because most "contest" solutions are designed for a short period of time, or designed for operators in close proximity, or designed to log only to that one person's computer, or all of the above. We needed the exact opposite for all three.

The additional caveat was that it had to be separate from an operator's normal logging so that if they wanted to spend an hour on Saturday participating in the contest, and then make their own contacts later that night, the two did not get mixed together. Moreover, it had to be a system that did not require someone to manually upload updates from each participant throughout the year.

After more than a month of searching, testing, message board discussions, more testing, Anthony found HamAward.cloud. A site in Italy that was able to do everything the club needed. They created a

special contest, each participant logged in as themselves, selected this contest and logged their contacts on a web page. Every participant was remote, but each could see the current tally, the logbook, even who else might be on the air at the same time. In fact, two operators adding a few more contacts on the last day of the contest could literally see each others logs pop up on their respective computers.

Anthony had solicited various companies and organizations for prizes. We realized later that it's good to have all the details of the contest figured out in advance. Since the prize donations were primarily intended for the Golden Jubilee Dinner, and some duplicates held over for the contest, no one knew how many prizes, or what they were, until halfway through the contest. Not the best solution, but it worked out fine in the end.

The prizes were be awarded so that each winner got to pick the one prize they wanted most. If that same person is also the winner of another category – they will be recognized as the winner, but since they have already received the one prize they wanted most, the second place finisher in that category then gets to pick a prize.

The most total contacts worked as K5PRK/50 was the top prize. Then we had categories. Most voice contacts. Most CW contacts. Most digital contacts. And, since the top winner would have likely also topped one of the categories, you're already giving an award to a second place finisher. While it could be possible that the top overall did spread their contacts out across all three categories, our winner did almost all in the digital mode. So the second place operator in the digital category got to pick a prize.

We also added a most VHF contacts category to give opportunity to any Tech license holders to really go after contacts without the HF bands. Then we also added a few smaller prizes for those who wanted to play the rules- we had Most Modes Worked as well as Most bands Worked. We didn't have anyone go after the modes, but we did have one operator work 12 different bands which topped the list and won them a prize. It's a good technical challenge as well. The prizes were awarded at the club's year end holiday party so it provided a wonderful close to our anniversary year.

Public Awareness

Club president Tim Johnson and Secretary Johnnie Young put together a press release that was sent out to local papers, websites, and TV stations. 50th Chair Anthony Burokas also reached out to the city of Plano, which was coincidentally celebrating it's 150th anniversary in 2023, to see about getting a proclamation for the club. The city has a set process for it so that was fairly easy. Anthony also worked with the ARRL Section Manager Steve Lott for additional recognition from the ARRL.

Our club secretary Johnnie Young leveraged the club's GroupsIO email list as well as HamClubOnline to notify club members of the club's activities and direct them to the continuously updated 50th Anniversary section on the web site. Anthony used the dedicated pages to provide the rules for the contest, historical information on the founding, as well as several polls and eventually ticket purchases for the Golden Jubilee Dinner. Having one spot to promote and update all year long was the best solution. Have a question about anything 50th? Go to the website for the latest.

Johnnie also did an amazing amount of research, e-mails, letters, calling, and more to contact each of our past presidents, founders, and charter members. Some have passed, some we were not able to get any status for, but a great portion she did reach and did come to our dinner. Johnnie knew how many past presidents we could have come, before we even opened up event ticketing. Since each past president and spouse was provided a complimentary ticket to the dinner, this number was critical in helping to determine the size of the facility we needed.

The Golden Jubilee Dinner

Research for the reception hall started more than half a year in advance because, especially during the summer, it can be hard to find a hall for a dinner event. We speculated we'd need space for about 80 to 100 people. With that information Anthony started his web search for any place with a hall, or separate dinner room, but centrally located in the Plano, TX area. With over 22 different locations added to the list, then began the calls and e-mails to gather information on how many people each location could hold, and how much would it cost for 80 dinners.

Some locations have a flat hall cost and then you source your own meal or catering. Restaurants with reservable rooms, however, typically roll the cost of the room into the cost of the meal- per person. After visiting several locations, it was determined that a restaurant was preferred by the membership. All the food service and cleanup would be taken care of.

Then when ticket sales opened and the numbers started pouring in, it quickly topped over 110, which was too big for the restaurant location that had been chosen. The second option was Plano's Oak Point Park The Nature & Retreat Center. This is a city-owned facility that had a low reservation cost and included AV, chairs, tables and a beautiful hall. The huge advantage to this Plano location was that a reservation was for the whole building. It was exclusively ours. However, all the food would have to be catered in separately. Mike Tharp found Olive Garden's catering to be well accepted, and by picking several different packages, everyone could find something they liked.

We had a reception table in the main lobby, we could store setup boxes and such in a second room. We had use of the kitchen to keep the catered food warm as well as drinks and desserts cold. The AV was essential as part of the presentations to and for each past president and one of the club's founders who was there in person. The club leaned heavily on its own members to make all this happen. Mike Tharp oversaw the food from ordering, through serving and cleanup. He was assisted by Sam Parson during the dinner and the two made sure everyone got the food they wanted, and no one went home hungry.

Johnnie Young and Tim Johnson put together and signed special certificates to be handed to each past president along with their 50th anniversary pin. And since the club lacked portraits of past presidents and founders, Anthony set up his camera and lights in a special area in the lobby to take portraits of each past president as they came in. Secretary Johnnie Young signed in each guest and directed our VIP past presidents over to the portrait area. Club member Larry Randall assisted in the photography. During the dinner and award ceremony itself, club member Dick Thiot took pictures of each awardee at the podium.

Anthony also set up multiple video cameras around the room to record the entire event. He later edited it into a single multi-camera presentation that would be made available on the club website after the event. He even connected one of the cameras to a streaming device and streamed the entire dinner event to the club's Facebook page for members who were not able to be present for the dinner itself. This received compliments and thanks during the event.

Club member Bob Nine volunteered his services and his gear to mix audio for everything that night. From entrance and preshow music all the way through to the end. He also ran the slide presentations during the event. Anthony had put together a preshow slide presentation showing the various giveaways and people that were going to speak during the dinner. The hall had large TV's along both side walls so everyone had a good view. During the dinner, in a second slide presentation, each president had their own slide, as well as each presenter, and each giveaway - following a run of show that Anthony had built online, outlined a week before the event, and had the board review to make sure no one was missed.

The giveaways were set up so that everyone received 5 tickets when entering and could put them in the box for the item(s) they wanted. This way no one won something they didn't want. If someone won a second item, they had to pick one, and the other item would draw a second winner.

City of Plano Deputy Mayor, Maria Tu presented the PARK Declaration at the dinner. ARRL Section Manager, Steve Lott, provided presentations and prize giveaways at the Golden Jubilee Dinner. We also thank Icom, Yaesu, Kenwood, MFJ, DX Engineering, Plano Balloon Festival, and Home Brew Coffee, as well as key sponsors, Scott Boutwell of HamStop, Bioenno Power, and Dakota Lithium for responding to my requests and donating over \$1800 in Golden Jubilee Dinner / Contest Prizes.

When it came time for the club Founder and past presidents to accept their certificates, each took a moment to speak at the podium, providing more stories of the club and activities through the years. So if someone wants to tell you a story of the club's past- let them. It's illuminates what the club has gone through to be what it is today.

Financial Commitment.

Any event like this costs thousands. Thankfully club members donated time, services, use of equipment, and more that cut potential costs dramatically. The prize donations of items were not used to offset costs. They were just giveaways as part of the 50th anniversary. We did receive some monetary donations. Ticket sales offset the cost of the event as well. When averaged out across 110 people, we added an additional \$5 per person to help defray costs. It was only a little bit as we did not want to push the ticket cost out of range for older fixed-income members.

We know that several past presidents paid for tickets anyway, or made donations to the club to help defray the costs of the dinner. Our treasurer had presented a budget to the general membership and a budget was approved to pay for the total costs of the 50th anniversary dinner and all related expenses. The club also held it's annual gear auction a little bit earlier to help defray the cost of the dinner. In the end, with various revenues offsetting the costs, the final expense to the club was less than 1/3 the initial membership-approved expenditure, saving the club thousands of dollars.

While it was expected that the many small sources of revenue would make that offset, the exact numbers were not known until after the dinner itself. Thanks again go to our treasurer Mike Tharp for crunching the numbers several times throughout the year to give us status updates and for club-members as a whole for turning out and celebrating the club's 50th anniversary.

From new t-shirts and badges, to giveaways, participation in the Member Activation Contest, and the Golden Jubilee Dinner, each aspect of our 50th anniversary was planned to give back to our club members, in a way that also celebrates them as well, because a club IS its club members.

Anthony Burokas

General Class Ham (KB3DVS)

VP: Plano Amateur Radio Klub – <http://k5prk.net>

25-year video producer — IEBA.com



2024 Collin County In-Person SKYWARN Training

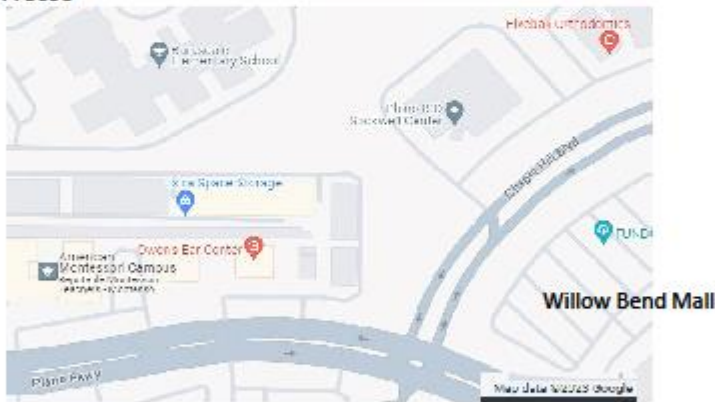
Saturday, January 20, 2024

Collin County ARES (Amateur Radio Emergency Services) is hosting in-person SKYWARN training for 2024. We would like to thank the Plano Office of Emergency Management and Plano ISD for their partnership in providing a space for the 2024 training and for the National Weather Service (NWS) in Fort Worth for providing the Basic Weather and Safety training.

Please note that the NWS has changed the way they provide SKYWARN training. Currently there are only two Saturday In-Person Basic SKYWARN Training sessions scheduled, Collin and Tarrant counties. The NWS will not be presenting the Advanced SKYWARN presentation at any of the county in-person classes. The Collin County In-Person SKYWARN Training location is:

Sockwell Center
6301 Chapel Hill Blvd
Plano, TX 75093

Overflow parking at Willow Bend Mall
NO Parking at the orthodontics next door.



Schedule (Info Tentative 12/31/2023)

- 8:00 Check-in Registration
(ARES – Served Agencies. Those needing training credit)
- 8:30 Program Begins/Welcome
- 8:40 SKYWARN Basic – National Weather Service
- 9:45 Break
- 10:00 SKYWARN Basic resumes – National Weather Service

National Weather Service 2024 SKYWARN Training Schedule
<http://www.weather.gov/fwd/skywarnmap>

Winter Field Day



Winter Field Day

Location - [4901 Hackberry Lane Parker TX, 75002](#)

- Entrance will be the gate at the NE corner of the property
- Everyone is welcome to drive their vehicle straight back to the **red barn** where we will set up inside and set up our antennas in that field.

Time - Saturday, January 27th 2024

- Setup will begin at 11:00AM, plan to start transmitting at 1:00PM

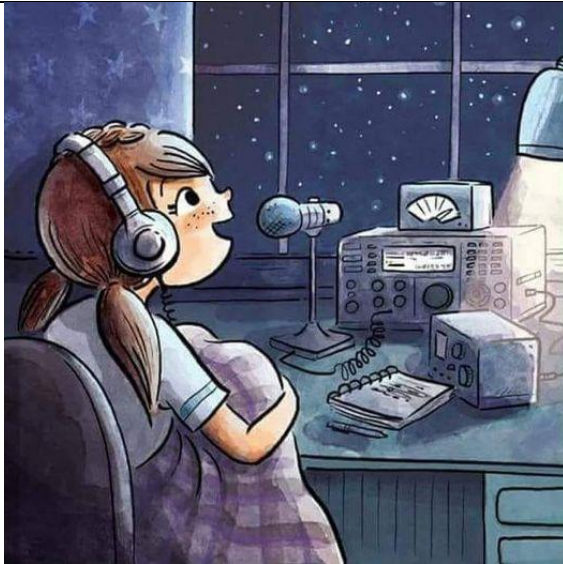
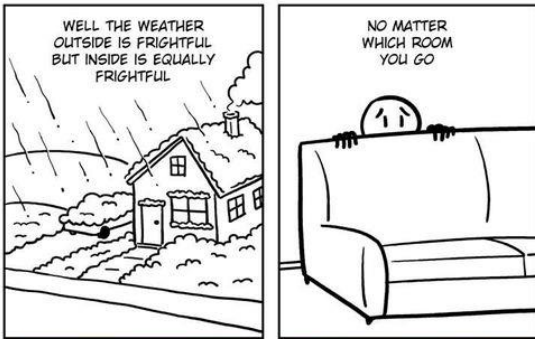
What YOU should bring

- Everyone is to bring their own chair(s) if you have a table, bring it so if we decide that we need to use it, we can.

The program

- Start arriving at 11:00AM if one of the officers would like to come earlier to scope things out and start early, they can (i have the clubs antennas and coax)
- Tear down (unless a different time has been discussed) should probably be around 6:00-6:30 pm, so that we can tear down while we can still see.
- Plenty of space to set up as many antennas as we would like. Also plenty of room to safely run generators, solar panels and other power sources

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



When you called CQ for an hour before realizing that you were transmitting into your dummy load.



ARRL News

ARRL magazines

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

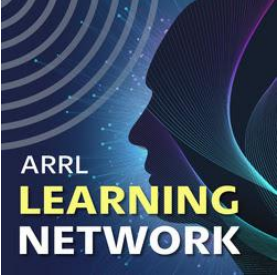


On the Air - NEW! Beginner to intermediate level help and advice - www.arrl.org/On-the-Air-Magazine

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

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

Listen to [ARRL Audio News](#), available every Friday.

ARRL Podcasts Schedule

	<p>Visit the ARRL Learning Network (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.</p>
	<p>About ARRL Audio News</p> <p>ARRL Audio News is a summary of the week's top news stories in the world of Amateur Radio, along with interviews and other features. Enjoy ARRL Audio News anywhere: on your smart phone or tablet, your local repeater, or stream it on the go!</p> <p>How to Listen to Audio News</p> <p>ARRL Audio News is distributed through the podcast host Blubrry.com. You can subscribe to the podcast via your IOS or Android mobile device using your favorite podcast app, or listen and download episodes direct from the Audio News page at Blubrry.</p>
	<p><u>More About Bits and Baud</u> <i>December 14, 2023</i></p> <p>This episode ties into a feature in the November/December issue called "Bits and Baud," which discussed important elements of digital communication, namely the quantity of information a transmission delivers -- known as bit rate -- and the rate of speed at which the information is delivered, which is known as baud rate. The article's author, former QST Editor Steve Ford, WB8IMY, joins us to explain more about the differences between bit rate and baud rate, as well as why hams are concerned with these measurements in the first place.</p>

[2022-2023 ARRL Contest Dates PDF](#)

A complete list of special event stations, including Veterans Day stations, is available at www.arrl.org/special-event-stations.

[Student-Led ARISS Contact a Success](#)

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.

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)

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.

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

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](#).

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>

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
- 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](#).

**PLANO AMATEUR RADIO KLUB
Application for Membership**

Klub year is from January 1st to December 31st

Annual KLUB Membership (Individual) \$30.00/Year _____
Annual KLUB Family Membership \$40.00/Year _____
Student Membership (18 and Under) \$ 5.00/Year _____

Half year is from July 1st to December 31st

Klub Membership (Individual)..... \$15.00/half Year _____
Klub Family Membership \$20.00/half Year _____

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: _____

The PARK Roster is given to KLUB Members Only. Please circle any information that you do not want published.

License Class: _____ Expiration Date: _____

Previous Call(s): _____ First Licensed: _____

Call Sign(s) of Other Family Members: _____

ARRL Member? _____ ARES Member? _____

Other Hobbies and Interests: _____

Reason(s) You wish to join PARK: _____

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 ____

Signature _____ Date _____

PARK Secretary Only:

Date of Application: _____

P.A.R.K.
P.O. Box 860435
Plano, TX 75086-0435

or send via email to secretary@k5prk.net