

### CARC Membership Meeting

Tuesday 23 April 2019  
1700 Social      1730 Meeting  
1800 Program

Methodist Richardson Medical Center  
At Bush/Renner/Shiloh Intersection  
Conference Room A in Hospital Building

*Subject:*  
**Program is TBD**

### CARC HOLDS FIRST VE SESSION

*by Frank Krizan, KR1ZAN*

The newly renamed Collins Amateur Radio Club held its first Volunteer Examiner (VE) Test Session on March 26, 2019, following the regular Club meeting at the Methodist Hospital in Richardson. Five candidates successfully earned their first license or upgraded at this session organized by Kerry Weeks, K5WKS.

Nine exams were administered with 6 successful scores. Two new hams are: Michael Masterson, KI5EBO, of Plano, who advanced to General, and, Robert Nychka, KI5EBN, of Wills Point, who became a Technician.

Advancing a grade are: Tod Sloan, KI5DSK, of Fairview, who advanced from General to Extra, Wendy McKnight, KG5VID, of Tyler, who advanced from Technician to General, and Brian Harding, KI5DYK, of Kerens, who advanced from Technician to General. Wendy came all the way from Tyler because she couldn't wait for her local club to conduct an exam session and she heard about ours.

Congratulations to everyone.

Plans are to conduct an ARRL VE Exam Session following each monthly membership meeting at the Richardson Methodist Hospital, Renner Road at the George Bush Tollway. Exams will typically begin at 7:30 p.m., or as soon as the meeting room is cleared and candidates can take their exams without interruption. Encourage your friends, family fellow employees, etc., to take advantage of this convenient exam session.

The first VE team consisted of Kerry Weeks, K5WKS (Liaison), Daryl Morgeson, AF5QJ, David M. Russell, W2DMR, and Frank Krizan, KR1ZAN. Kerry extends an invitation to any General Class licensee or higher class, to join the VE team. To get more information about getting involved, contact Kerry at [weeks.kerry@gmail.com](mailto:weeks.kerry@gmail.com), or discuss what's required at any CARC meeting. You can also read about what's required to become an ARRL Volunteer Examiner at <http://www.arrl.org/become-an-arrl-ve>.

The next CARC/ARRL VE Test Session will be held Tuesday, April 23, 2019, at approximately 7:30pm, in Conference Room A, of the Richardson Methodist Hospital. Exam fees are \$15 (exact cash amount appreciated). As far as what to bring to a test session, see <http://www.arrl.org/what-to-bring-to-an-exam-session>.

## Local Club News

### Meeting Notice

At the next general membership meeting those present will finalize the selection of the new club call sign necessitated by the Rockwell Collins-United Technologies merger. The subject of this month's program was not finalized at the time of publication of this newsletter, however, if still available online and compatible equipment is available in the meeting room, a video on FT-8 will be presented.

### RCARC Community Service Activities

**Siren Testing** Dennis Cobb WA8ZBT, John McFadden K5TIP and Jim Skinner WB0UNI participate in the Richardson emergency siren testing. The April test was performed on 3 April 2019. A very high percentage of sirens exhibited serious malfunctions. The city had promised last month that they would be repaired before spring storm season arrives. The sirens are monitored by amateur radio operators and reports made using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz. Siren testing occasionally uses the University of Texas at Dallas (UTD) repeater at 145.430 MHz, which is designated as the backup repeater.

**Crime Watch Patrol** Jim Skinner WB0UNI participated in Richardson Duck Creek Crime Watch Patrol (CWP). CWP members, after successful completion of Richardson Police Department Training, patrol their neighborhoods and report all suspicious activities to the Police Department.

<b>CARC OFFICERS</b>	
<b>PRESIDENT</b> Gene Duprey 319.270.8159 <a href="mailto:geneduprey2015@gmail.com">geneduprey2015@gmail.com</a>	<b>VICE-PRESIDENT</b> <b>AVAILABLE</b>
<b>SECRETARY</b> Jim Brown 972.495.2209 <a href="mailto:jhksbrown@verizon.net">jhksbrown@verizon.net</a>	<b>TREASURER</b> Rohan Thomas 972.697.3512 <a href="mailto:Rohan7066@yahoo.com">Rohan7066@yahoo.com</a>
<b>ACTIVITIES</b> <b>AVAILABLE</b>	<b>WEBSITE MANAGER</b> Mike Hollingsworth 972.571.6060 <a href="mailto:w5qh@arrl.net">w5qh@arrl.net</a>
<b>STATION TRUSTEE</b> Bob Kirby 319.360.0500 <a href="mailto:k3nt@arrl.net">k3nt@arrl.net</a>	<b>NEWSLETTER EDITOR</b> Jim Skinner 214.535.5264 <a href="mailto:wb0uni@arrl.net">wb0uni@arrl.net</a>
<b>MEMBERSHIP</b> <b>AVAILABLE</b>	<b>W5ROK CLUB STATION</b> 972.705.1349 461-290

church building. For further information contact Don Klick KG5CK. 972.464.2889 or E-mail [rwkhamtest@gmail.com](mailto:rwkhamtest@gmail.com).

**SIGNALS** is the monthly newsletter of the Rockwell Collins Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyright © 2018 by the Rockwell Collins Amateur Radio Club. Permission is hereby granted to any not-for-profit amateur radio publication to reprint any portion of this newsletter provided both the author and Rockwell Collins Amateur Radio Club are credited.

## President and VP Messages

Well, storm season is upon us! I hope everyone has made appropriate repairs and modifications to your stations, and the rest of the QTH.

Summer is coming, and it is time for updates and various other activities. We have Field Day coming up in June so start making your plans to participate in the club's activities. Also, in June is HamCom. Come out and check out all the new stuff for the station. I received my Version 3 update to my Flex, and have been checking out the upgrades to the radio, and they look really nice.

I will not be at the meeting this month as I will be out of the state on a trip.

That's about it for this month.

73's,  
Gene, K1GD  
RCARC President

## VE SESSIONS

**Dallas** tests are held on the fourth Saturday of each month at 1000 hrs. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD 972.917.6362

**Irving** tests are held on the third Saturday of each month at 0900. Fifth and Main St. Contact Bill Revis, KF5BL 252-8015

**McKinney** VE test sessions are held at the Heard Museum the first Sunday of the month. The address is 1 Nature Place, McKinney TX. The time of the testing is 1430, ending no later than 1645. **Note: no tests given on holiday weekends.**

**Garland** testing is held on the fourth Thursday of each month, excluding November, and begins at 1930 sharp. Location is Freeman Heights Baptist Church, 1120 N Garland Ave, Garland (between W Walnut and Buckingham Rd). Enter via the north driveway. A HUGE parking lot is located behind the church. Both the parking lot and the Fellowship Hall are located on the east side of the church building, with big signs by the entrance door. Contact Janet Crenshaw, WB9ZPH at 972.302.9992.

**Plano** testing is on the third Saturday of each month, 1300 hrs at Williams High School, 1717 17<sup>th</sup> St. East Plano. Check Repeater 147.180+ for announcements.

**Richardson** The Richardson Wireless Klub (RWK) VE team hold license testing on the third Thursday of each month at St. Barnabas Presbyterian Church, 1220 West Beltline Rd. Testing begins at 1900 hrs in room 12. Enter through the Northern most door on the east side of the

## Secretary's Report

26 March 2019

President Gene Duprey K1GD called the meeting to order at 1740.

The following were present at the meeting:

Jim Brown	AF5MA
Dennis Cobb	WA8ZBT
Gene Duprey	K1GD
Bill Fell	KK5PB
Frank Krizan	KR1ZAN
Michael Masterson	TBD
Daryl Morgeson	AF5QJ
John McFadden	K5TIP
Dave Russell	W2DMR
Mike Schmit	WA9WCC
Jim Skinner	WB0UNI
Rohan Thomas	KG5RCN
Kerry Weeks	K5WKS
Joe Wolf	N5UIC

### Officers and Committee Reports:

There were no formal reports other than the Secretary's Report, which is contained in this newsletter.

### Old Business:

Collins Aerospace Security has requested a current club roster as part of the process of granting access to Collins facilities. Jim Skinner WB0UNI agreed to develop a current roster from the club webpage.

The club name has been officially changed on its FCC license to reflect the new name of its sponsor. The new name is Collins Amateur Radio Club (CARC).

### New Business:

Members discussed participation in Field Day exercises on 22-23 June 2019. It was generally agreed that the club would participate as we have in the past, provided that we have adequate access to the ham shack within the Collins facility. Options for remote access were considered.

### Adjournment:

The meeting was adjourned at 1810, followed by a presentation on the 2015 K1N Navassa Island DXpedition by Frank Krizan KR1ZAN. The presentation included a detailed video covering the two-week expedition to the uninhabited island in the Caribbean and the communications successes achieved.

Following the presentation, the club hosted a ham license test session as organized by Kerry Weeks K5WKS. This is expected to be the first of many such sessions following future meetings.

### Are Ham Radio Clubs Dying?

*Here's an interesting article from the Everything Ham Radio Blog. Lots of good suggestions. Of course, one topic not covered is the relationship between a Club and a Company Sponsor. (73s, Frank Krizan, KR1ZAN)*

[April 10, 2019](#) [K5CLM](#)

Hey everybody and welcome back to Everything Ham Radio. This month I was able to go back to my ham club meeting for the first time in about three years. The last time I went to a meeting, we had about 10!people in attendance, which wasn't great to begin with. This month when I went, I walked into two people at the meeting and another that joined us a little bit later.

It's really sad to see our membership dying like it. When we started the club in 1995, we started with about 20 people and at our peak around 2000, we had about 35 members. However, ever since then it has slowly gone down-hill until now we have only a handful of people that attend our meetings it seems.

Life gets in the way

I realize that in today's world, life gets in the way of extra-curricular activities like a ham club meeting. People have to work, like I have for the past three years, people have families and of course they come first, or people just flat out forget

This meeting made me wonder if this is happening just to our club or if it is a common thing around the world. So off to begin my research I went.

What I found was kind of disturbing. It seems like a lot of clubs are dying out or dwindling in number at the very least.

Some people said that politics have ruined their club; Some say it's egos. Others say that their meeting are just so boring and that nothing is ever done except business meeting type stuff and complaining.

I even saw a post of Reddit that a guy posted that said he found a local ham radio club that had an awesome website and he was able to join it online. He paid the \$75 membership fee and a couple weeks later he went to the meeting online to find a couple people there that told him that the club dissolved a few months prior.

So what do those that are thriving have that other clubs don't? What should your club do to maximize attendance and/or participation and to help your club grow and thrive?

1. Have Fun



I hear so often and have experienced it first hand, that club meeting are often boring. Several club meeting that I have been to is majority business meeting related or a butt chewing session on things that weren't done right in a previous event.

This is honestly what has cause me to stop going to some meeting that I use to go to.

When people have a hobby, they do it because they want to have fun in their lives. In our everyday lives we work, take care of our kids, take care of our house and sleep. Often times that is what the majority of our time is spent doing.

We want to do a hobby that is fun. By making a meeting about that hobby boring or counter productive of that fun, it causes people to not want to come to them anymore.

Rather than dragging out your club meeting with business type stuff, make that part of it as short as possible. Let your officers and board members take care of the majority of your business part of the meeting at another time. If there is something that has to be put before the club, do it quickly either at the beginning of the meeting or at the end.

Do presentations, hands on building things, or other items of interest to the members of your club. Get them involved and enjoying themselves, make them laugh and excited to try something new.

2. Give Your Members What They Want



When your club is planning out their presentation/training schedules and booking people to come and talk to your club, make sure that it is something that your club members will be interested in. If they are not, or if it is to technical, they might get up part way through and leave.

How to you find out what your club members like?

You have to stay attuned to your membership. Listen to what your members are saying, ask them what kind of aspects of the hobby they are interested in, what they like to do, etc. Give a questionnaire or a poll to your members asking them what they like or would like to learn about.

When you have someone come to your club to give some training, have your members rating the speaker and the topic. Not only will this help the speaker to learn about his/her presentation and what he/she can do to change it

and make it better, but it will also tell the club leadership how the club feels about that topic.

Let's say that someone comes to your club to talk about Fox Hunting? You give the evaluation forms to your membership and the results you get back are all positive and many say that they would like to learn more about it. Congratulations, you just opened up two events/training topics for two more meetings. In your next meeting you could build antennas to use in fox hunting. Then in the following meeting you could actually go out and do it.

Better yet, your club could meet up on a weekend that is not your regular meeting time, spend time together outside of an official meeting and do some fox hunting. This kills two birds with one stone really. One, it provides a couple fun activities for your members to do and two, it gets your membership together somewhere other than your club meeting.

3. Promote Fellowship



This brings us to number 3, promote fellowship! Having just a single meeting a month and nothing else is often a recipe for your club to slowly

die. Remember number one, Have Fun? Having unofficial get togethers other than your official meeting can bring your members together for something fun.

Maybe it is just a get together at a coffee shop or a restaurant for breakfast. Doing something like this breeds camaraderie among your members and provides a fun time for them. Maybe have a potluck lunch once a month where everyone brings some food and their family and everyone just sits, eats and talks.

Workbees. Yea I know work doesn't sound like fun, but it can be. If you have a fellow ham needing help putting up a tower, mounting their antennas, installing radios, whatever, this brings hams together and they have fun together.

Even a basic concept of this topic, being friendly to new members or perspective members that come to your meetings. Go to them and introduce yourself, ask them about themselves and what they like to do, be friendly. Don't be the type of club that just allows new people to come into the room and be lost as to what they are supposed to do, where they are suppose to sit, etc, and then put them on the spot without notice during your meeting asking them to introduce themselves.

This often times puts them in an uncomfortable position from the get go and then you might not learn very much about them, so get up and introduce yourself before the meeting start, get to know them a little bit and maybe even tell them, "we have everybody introduce themselves at the beginning of the meeting so everyone knows who everyone is."

#### 4. Recruit New Members



New members is a key component of making sure your club will survive. I have been to several club meetings where the members have

been there forever and there is very few new members. This also leads to the club becoming stagnant and people getting set in their ways.

There is nothing I hate worse than hearing people say, “this is the way we have always done it” I have seen many new people come into a club and suggest something or make a recommendation and other club members reject I without thought and say something like that.

Don't be set in your ways so hard that you can't have an open mind to new ideas. This is often a major reason why a new member doesn't return after a few months.

Do ham Radio License classes and testing sessions. Giving a class once or twice a year often leads to new members joining your club. You might even offer the first years membership for free with the class. This will allow the new ham to be a new member and try your club out at no additional cost to them.

After you give a class or a test, make sure you have someone follow up with the new ham to answer any questions they might have. Elmering is a must in this hobby, if a new ham feels like they have no idea what they are doing and has no one to help them, they will quit the hobby as fast as they got into it.

#### 5. Tap Into The Talent Of Your Club



This also means that the older members of the club need to stay abreast of all different aspects of the hobby. I'm. It saying that everyone needs to know every aspect of the hobby, but you should have a pool of people to pull from that know about different things.

That is one thing that makes this hobby so great! There is so much to do in this hobby other than just talking on the radio, but if everyone in your club doesn't nothing else but talk on the radio then no one will be able to answer a new hams question about something else.

Along those same lines, know what your members like to do and use that for your club. If someone is good at using APRS or Mesh Networks, use them to give a training session to your club. If one member enjoys it, maybe others will as well. This also promotes fellowship among your

members because they may get together outside of your meeting and work on something together.

Every club needs certain things. Things like a website or a social media presence, a newsletter, someone to help maintain equipment, etc. Tap into the talents of your members to do things like this. Don't shame them into doing it because that will often make ill feelings or things not go the best that they can. Tell your membership what the needs of the club are and often times someone will step forward.

#### 6. Have A Good Newsletter



There is an old saying that says, “If it was not wrote down, it didn't happen”. Use this to your advantage! Put out a monthly newsletter telling your membership about things

that are going on in your club or things that are coming up. You can even put your meeting minutes in your newsletter and send it out the week prior to your meeting. This way everyone will be able to read through them and it doesn't have to be read through during the meeting.

Not only will your club newsletter act as a way for members to know what happened at the last meeting, but it can also serve as a reminder for your next meeting or an upcoming event.

A good newsletter is something that every club should have. Often times, a newsletter is the only tangible thing that a member will get for their membership, so make sure it is good. Finding someone to make sure it is good can often be a hard thing to do, but even a novice newsletter editor can get a lot of good information to put into it fairly easy, especially with the internet!

Many hams have blogs that, if you ask the author, I'm sure would let your editor use an article from their blog in your newsletter. Dan Romanchik, KB6NU, has a email list that your newsletter editor can sign up for to get a monthly newsletter article. Here is the [link to sign up for it](#).

#### 7. Social Media



Social media plays such a significant ripe in our lives today that a club NEEDS to have a social media presence. Get your club on Facebook, Instagram, Twitter and even possibly YouTube.

I personally would recommend being on at least Facebook and Instagram. Having a Facebook page and/or group for your club is a good way of keeping the membership up to

date with the things going on in the club. You could put your newsletter on there, other articles, event notifications, and just general questions or comments.

Much like a newsletter though, finding someone to volunteer to take on this responsibility and do it well will be the most challenging part.

#### 8. Staying Active!



There is no substitute for staying active whether in life or in a ham club. A monthly meeting is no substitute for other events that your club can and should do. Things like special event stations, camping trips,

picnics, antenna parties, breakfast or lunch get togethers, etc.

Your club should provide many different avenues for your membership to get involved. This like Field Day is a great example of this. Field day and other special events like this allows your members to work together for a common goal, spend time together outside of the meeting, and most importantly have fun! This also allows new hams that only have a Technician License to get on the HF frequencies and get their feet wet. This could even lead to a testing exam or class that your club could put on.

Events like this also give the hobby and your club exposure to the public which could potentially lead to new members getting their license and joining your club.

So, there are my top 8 things to help your club keep from dying. Do you have a tip that you can share, write it in the comment below.

Thanks for stopping by today. If you like what you have seen on my YouTube channel or read on my blog and would like to know how you can give your support, check out the [Support page](#)! You can make a one time donation through Paypal, become a contributor through Patreon or shop on Amazon through my affiliate link.

If you have not done so already, please subscribe to my site so that you will receive emails when I publish a new post or podcast episode. It's super easy! Just fill out the form [on the webpage—link below]:

Once you click on the Sign Me Up button, you will get an email from me with a link that you will need to click on. Once you click on that link, you will start receiving emails from me. I hate spam as much as anyone does, so I promise you that I will not sell or rent your email address to anyone!

Also, check me out on [Facebook](#) and follow me on [Twitter](#) and [Instagram](#).

Until next time...

73 de Curtis, K5CLM



[K5CLM](#)

Creator and Owner of Everything Ham Radio

Owner of 2xC Products at [2xcproducts.com](#)

<http://www.everythinghamradio.com>

### First Amateur in Space, Skylab and Space Shuttle Astronaut, Owen Garriott, W5LFL, SK

April 17, 2019



It is with great sadness that the [ARISS](#) team recognizes the passing of our great friend and colleague Astronaut Owen Garriott, W5LFL (SK). Owen Garriott died at his home in Huntsville, Alabama on April 15, 2019.

A passionate Amateur Radio operator and ionospheric physics researcher, Owen inspired the Amateur Radio community to reach for the

stars. His multi-decade vision to bring Amateur Radio with him as part of his journey in space was realized in 1983 on the STS-9 Space Shuttle *Columbia* mission, where hams the world over for the first time heard a fellow ham call CQ from space.

As the first to operate Amateur Radio in space, Owen blazed a trail that has enabled countless people from around the world to experience what it is like to journey into space and explore our universe. As a result, he inspired the international Amateur Radio community to extend his modest ham station on STS-9 into an international human spaceflight ham radio program that has spanned the Space Shuttle, *Mir* Space Station, and International Space Station.

A member of the US Astronaut Hall of Fame, Owen Garriott was a pioneer and innovator in all his endeavors including Amateur Radio. Selected as a NASA scientist-astronaut in 1965, Garriott was the science-pilot for Skylab 3, the second crewed Skylab mission. Skylab was the first US space station, housing three different crew expeditions from May 1973 to February 1974. Owen spent approximately 60 days on Skylab doing solar physics research, human physiological research and conducting three spacewalks to repair Skylab and extend its research capabilities.

Owen's next flight into space, as part of an international crew on the STS-9 Space Shuttle Columbia mission, cemented Amateur Radio's future as part of the human spaceflight experience. STS-9 was launched from the Kennedy Space Center, Florida on November 28, 1983.

Onboard *Columbia* was an internationally developed space laboratory, Spacelab-1, which pioneered international spaceflight research with over 70 separate experiments – a precursor to the research currently being accomplished on the International Space Station (ISS). Onboard also was a Motorola 2-metre handheld radio with a window-mounted antenna to facilitate Amateur Radio contacts between W5LFL and hams on the ground.

On December 1, the third day of his mission, Owen donned his headset and made history by communicating with Lance Collister, WA1JXN, in Frenchtown, Montana. In W5LFL's own words, here is an excerpt of his first contact:

"W5LFL in *Columbia* is calling CQ and standing by. Go ahead. Hello WA1JXN, WA1 Juliet X-ray November, this is W5LFL. I picked up your signals fairly weakly. I think our attitude is not really the best as yet, but you're our first contact from orbit. WA1 Juliet X-ray November, how do you read? Over."

Owen's ham contacts on STS-9 were trailblazing for many reasons. They represented the first Amateur Radio contact from a human in space to someone on Earth. They allowed the general public to directly listen and communicate with an on-orbit crew where, prior to this, only NASA mission control personnel or heads of State (US Presidents, etc.) could talk to astronauts from space. And the mission also demonstrated that a group of volunteers could successfully build an Amateur Radio station for a human spaceflight vehicle and get it formally approved by a space agency.

Owen spent decades attempting to carry out Amateur Radio on one of his missions, employing gentle assertiveness and steadfast patience to realize his dream. In 1965, when NASA was considering Owen for a planned lunar flight on Apollo 18, 19 or 20, Project MOONRAY was proposed by the Project OSCAR team. Project MOONRAY would support Amateur Radio operations from the surface of the moon. This initiative was scuttled when Apollo lunar expeditions ended at Apollo 17.

Prior to his flight on Skylab, AMSAT submitted a proposal to NASA called SKYLARC (Skylab Amateur Radio Communications). Unfortunately, this proposal was turned down. But, as they say, the third time was a charm on STS-9 and Amateur Radio is now a human spaceflight reality. Also, it should be noted that an AMSAT/ARISS International team is pursuing Owen's plans to fly Amateur Radio to the moon via several lunar proposal initiatives, including the Lunar Gateway.

Owen inspired legions of Amateur Radio operators, worldwide, to support human spaceflight Amateur Radio endeavors and for countless individuals to become Amateur Radio

operators. This includes his son, Richard, W5KWQ, who together with Owen became the first multi-generational American Amateur Radio operators to communicate from space.

On behalf of the ARISS International Team, we would like to extend our sincere condolences to the Garriott family, including Owen's son Richard, W5KWQ and Owen's wife Eve. As Owen has inspired the Amateur Radio community to reach for the stars may we wish Owen Garriott Godspeed and a wonderful journey amongst the stars.

Ad Astra!

73, Frank Bauer, KA3HDO  
ARISS International Chair  
AMSAT VP for Human Spaceflight Program

(This news item is courtesy of [AMSAT](#): Contributed by Frank Krizan, KRIZAN)

## Upcoming Events

<b>Daily</b>	DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
<b>Daily</b>	DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
<b>Daily</b>	Texas CW Traffic Net at 7:00pm on 3541 KHz and at 10pm on 3541 KHz <a href="http://www.k6jt.com">www.k6jt.com</a>
<b>1<sup>st</sup> Wednesday</b>	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
<b>2<sup>nd</sup> Wednesday</b>	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm
<b>MAY</b>	
<b>11</b>	Spring 2019 Collin County ARES Simulated Emergency Test. Details in the following link <a href="https://k5rwk.groups.io/g/main/attachment/5268/1">https://k5rwk.groups.io/g/main/attachment/5268/1</a> .
<b>JUNE</b>	
<b>8-10</b>	<b>June VHF</b> For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada. All legal modes are permitted. Details at <a href="http://www.arrrl.org/june-vhf">http://www.arrrl.org/june-vhf</a> .
<b>15</b>	<b>Kids Day</b> Twice a year, ARRL offers an event designed to promote Amateur Radio to our youth. Share the excitement with your kids or grandkids, a Scout troop, a church or the general public! Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children. Details at <a href="http://www.arrrl.org/kids-day">http://www.arrrl.org/kids-day</a> .



Richardson, Texas

**Mail Station 461-290**

**P.O. Box 833807**

**Richardson, TX 75083-3807**

**TO:**



Richardson, Texas

**CLUB STATIONS**  
(972) 705-1349  
**W5ROK REPEATER**  
441.875 MHz +5 MHz Input  
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**W5ROK-1 PACKET BBS ROK Node**  
145.05 MHz  
**W5ROK-N1, W5ROK-N2 & W5ROK-N3 HSMM-MESHNET Nodes 2.4 GHz**

**Tuesday 23 April 2019**  
**1700 Social      1730 Meeting**  
**Methodist Richardson Medical Ctr**  
**At Bush/Renner/Shiloh Intersection**  
*Conference Room A in Hospital Building*

**NEXT SIGNALS INPUTS DEADLINE:**  
**→→→ 17 May 2019 ←←←**