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School Issue

PLANO AMATEUR RADIO KLUB

PARKINGTICKET

AUGUST

WWW.KSPRK.NET

2025



In This Issue

- Auction Recap
- Meeting minutes
- Club Equipment Purchase
- New Tech Recap

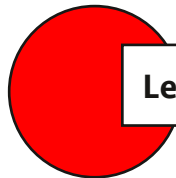
PARK HERE

Officers

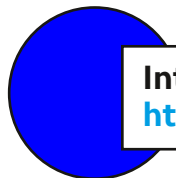
(your answers begin here)

President	Tim Johnson, K5TCJ	president@k5prk.net
Vice President	Anthony Burokas, KB3DVS	vp@k5prk.net
Secretary	B. J. Watkins, K5BJW	secretary@k5prk.net
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Public Relations	Rob Forson, K5WFR	pr@k5prk.net
Newsletter	Lonnie Webb, KG5WHQ	newsletter@k5prk.net

EXPERIMENT AND HAVE FUN WITH YOUR RADIO



Learn more about the club at <https://k5prk.net>



Interact with the club at
<https://www.facebook.com/groups/k5prk>



Have a groups.io conversation with the club at
<https://k5prk.groups.io/g/main>

Are you ready to read the content in the newsletter? It's all technician accessible. For your benefit we color the tabs at the top of the page to correspond to the colors of your ARRL license manual.

**YOU HAVE BEEN DEPUTIZED AS ROVING
JUNIOR NEWSLETTER REPORTER
EXTRAORDINAIRE!**

Go photograph, experiment, solder, attempt to antenna your lawn chairs. Just write it all down and send the information to
newsletter@k5prk.net

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.

Our 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

If you notice problems with any of the club's repeaters, contact
communications@k5prk.net
via email with a detailed description of the issue.

FROM THE PRESIDENT

By Tim Johnson K5TCJ
president@k5prk.net

Being an Odd numbered year, the following Board positions are up for election at our October general meeting:

- President,
- Treasurer,
- Activities, and
- Newsletter.

If you are interested in serving in one of these positions, please let any member of the Board of Directors know.

In addition to these positions, each Board member is authorized to form committees to help them perform their duties.

Here's an excellent opportunity to use your talents and get more active in the club.

You don't need to be able to climb towers, scamper across roofs, or exert a lot of energy to get involved.

There are plenty of "No Impact" activities for all of us to participate. Participate in the weekly net, write articles for the newsletter, help with the repeater operations, the opportunities are endless.

Probably the easiest contribution we all can make is Public Relations. Talk to your friends and acquaintances and recruit new members and encourage past members to come back. Most all of us are on various social media outlets. Use them. Post about Ham related events around the area, post about our club, and invite people

to learn about Ham Radio.

I know it's HOT out there but now would be a good time to start planning antenna upgrades, maintenance and winterizing to do when it gets cooler, but before it's too cold to do it.

Lots of opportunities this month to get on the air. QSO parties, Contests, various Special Event stations, POTA park activations, and that New DXpedition you want in your log. Don't miss the many opportunities to get on the air.

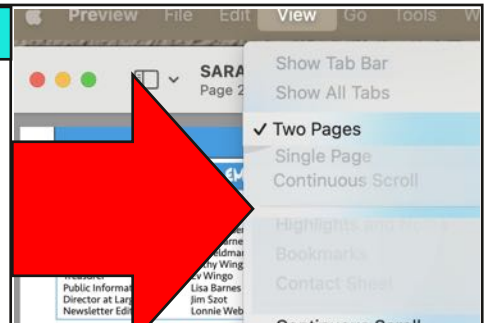
73, and see you at our next meeting, and on the air.

Tim 



Get your RadioQuest Score (page 17 for generals)

July's giveaway went to Tim Johnson. This month it's the General RadioQuest page and no one has entered yet. Tim is ineligible for this one. Gotta start sending in your scores now, though!



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Fourth Thursday Lunch:
August 28, 2025
Poor Richards @ 11:30a

Next Meeting:
August 19, 2025

LETTERS TO THE EDITOR

Hello PaRK! School zones are open again. Can you believe it?

Thank you **Daryl Morgesen AF5QJ** for inviting me to help VE the testing for the club supported tech class. We love to see new hams take wing!

Don't forget Fourth Thursday Lunch @ Poor Richards where a few of us will get together and tell great lies and solve world peace.

There will be a newsletter giveaway for generals at the next meeting!

Re: What have you accomplished this summer?

Lonnie,

I learn better in a class. I had tried ham radio prep and failed miserably.

Garland had an 8 week class. The material and the testing worked well together. I also used hamstudy.org. The test was utilized using that platform so it made the transfer from study to testing seamless.

Glad to see Johnnie as one of the proctors! She provided encouragement and support! Missed by one on the first try. I slapped down another 15 dollars and got like an 85 on the next.

Hope this helps. Can I also have a link to the newsletter to look at that accomplishments stuff?

Thanks Lonnie and you are doing a great job!

Bruce Cameron

cameronlpc@sbcglobal.net

You are very welcome. The

newsletter is on the website, linked to the right.

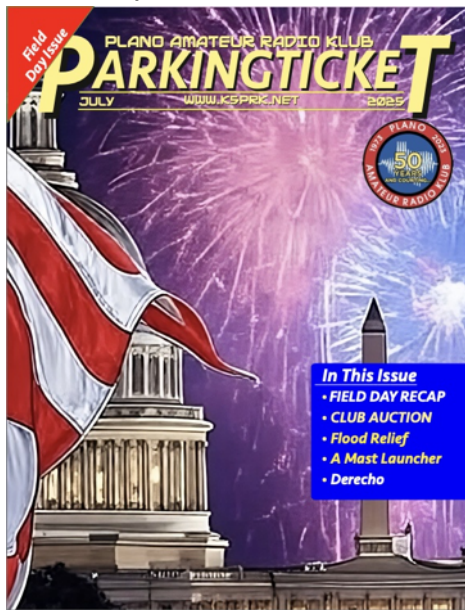
<https://k5prk.net/july-2025-newsletter/>
—ed

Newsletter and Sachse Tech Class

I want to thank you for two specific contributions you've made and are making.

The first is the terrific job you are doing with the Parking Ticket. You must spend days or weeks gathering some of the items you include beyond the club-specific articles. As an example, I enjoyed your recent article about the Titanic's radio operators.

The second is your Technician class at Sachse on July 28th. My grandson, **Collin Koch**, is now **KJ5LYD** thanks to the fine job you must have done there. Both his dad, **KJ5FR**, and I seriously doubted Collin would make it in a one-day class. He has attention



problems, and has had very limited time to prepare for the test due to a very active schedule. Yet he remained in the class all day and passed the test!

That had to be, at least in part, due to the fine job you must have done running the class.

Thanks for posting the mention and photo about Collin in the newsletter, which I have passed on to him and his dad.

73,

Dave W8OV

dave.w8ov@gmail.com

Thank you, Dave!

—ed

First Callsign

My Dad and I were licensed together in 1970 with "back to back" calls. I was lucky enough to get the "LOL" suffix. When I decided I was going to stay in Texas, I changed my call to K5LOL.

73, Tom Yenny, P.E., K5LOL
K5LOL@arrl.net

Re:First Callsign

I had a business card that said Digital Video Specialist on it, and the FCC issued me DVS, just by chance.

Anthony Burokas
KB3DVS@ieba.com

ACTIVITIES

By Richard Seitz KG5HCJ,
Activities Director
activites@k5prk.net

Time to prepare ourselves for upcoming communications events that we have supported for many years. The coordinators and directors of these events have always been grateful for our communications efforts, with dedication to safety and reliable, professional support.

The Blackland Triathlon will be held, again, on Labor Day morn-



ing, September the 1st, at the Oak Point Recreation Center (6000 Jupiter Rd, Plano, TX 75074), and the nearby Collin College campus.



The Plano Balloon Festival will be held September 18th – 21st, at Oak Point Park, along the north side of Spring Creek Parkway, in Plano. We provide volunteer support for field communications, field and perimeter launch safety and chase vehicle communications support. More about this event in the very near future.

Right now, we need volunteers for the Blackland Triathlon. This event has taken place in Plano since 2008, and we have supplied our communications operations for those 17 years. This will be our 18th year in support of this great race – a super communications event that brings many exciting race experiences to life for both Youth and Adults. We are needing radio operators to shadow event officials, support staff and medical services. We will also need a Net Control operator (with a couple of radio-

equipped runners), radio equipped observers along the course and SAG (Support and Gear) wagon communications.

Within the shadow(ing) group of radio operators, we will need to have one operator that will be able to be on their feet for most of the event. This radio operator will be shadowing the event director. The director, a very passionate, dedicated official, on his feet most of the time, is usually running from fire to fire, and rarely uses a golf cart, unless necessary. A good portion of the director's travels are dedicated to the Start/Finish and transition areas. I know that we have many club members, as well as other's Club's members, that would be able to fulfill this exciting position. Please consider this as an option for volunteering.

We customarily use the UHF, 444.250 repeater for this event, as all HT's can reach it anywhere on the course. Simplex for this event has not worked well in the past with HT's being able to communicate with Net Control, but cannot, necessarily, with each other.

This is a Youth and Adult race event. The Youth are split into Juniors and Seniors, and the Adult race(s) are simply called the Sprint. There are technically three types of races going on, at the same time, within the Sprint. The Sprint Triathlon (Swim, Bike and Run), the Sprint Aquabike (Swim and Bike) and the Sprint Aquathon (Swim and Run). New, this year is an event called the Duathlon – a Run/Bike/Run option for the participants. We will not be concerned with the differ-

ent types of races, per se. We will, however, be focused on the participants safety, their bib/arm/leg numbers, and status or position on the course. The more volunteers that can participate, the more eyes we have on the racers. As the event transitions from the Youth to Adult courses, there will be a few position changes that will be made.

We are usually done with our responsibilities by 12 noon. Most have been able to leave by 11:30.

There will be other information published as the event grows closer.

Please consider volunteering for this event. It is truly a great way to give back to our community. 📻



W2KH



MINUTES FROM THE JUNE GENERAL MEETING



Plano Amateur Radio Klub July 21, 2025 General Meeting Minutes

Officers Present:

President
Vice President
Treasurer
Secretary
Communications Director
Public Relations Director
Activities Director
Newsletter Editor
VE Coordinator

There was no program presentation as this was the Annual P.A.R.K. Auction.

There were 27 members present and 10 guests.

Approximately \$2,900.00 was raised for the club. 📻

GARLAND CLUB SWAP MEET

GARC Swap Shop – Open to Members & Guests!

We're excited to announce the launch of an informal Swap Shop, held during our regular Open House events at the Garland Amateur Radio Club!

- When: Every 3rd Saturday of the month, 9:00 AM – 12:00 PM
- Where: Outside the GARC Clubhouse at 1027 Austin St, Garland, TX
- How it works:

Open to members and non-members.

Bring your own table or trunk setup.

You are responsible for your own gear, space, setup, and teardown.

This is a self-managed, individual activity – not organized by the club.

It's a great chance to meet other hams, trade or sell gear, and share stories while enjoying everything else Open House offers!

GARC will not be accepting equipment donations at the moment, and we're always thankful for monetary contributions to help support the club's activities, education, and maintenance.

Let's keep the radio spirit alive—see you at the next Open House! 📻



ADDITIONAL INFO ON HAMCLUBONLINE.COM

Wondering about the Treasurer's report? Missing something from the minutes? Go log in at HamClubOnline.com using the email address you already gave the secretary and set a new password if you need to. 📻



MINUTES FROM THE LAST BOARD MEETING



Plano Amateur Radio Klub Board of Directors Meeting August 4, 2025

Present: (On-Line)

Tim Johnson, President
Anthony Burokas, V.P.
Michael Tharp, Treasurer
B. J. Watkins, Secretary
Rob Forson, Public Relations

Director

Richard Seitz, Activities Director

Lonnie Webb, Newsletter Editor

James McCormick, Webmaster
Sean Kelly, Past President

Absent: Miranda Schwark, Communications Director

Quorum Established: 7:04 p.m.

President

Technician Class had 12 students with 8 passing the test Those 8 were given the opportunity to take the General Class

test but none passed.

Pres. received e-mail from Michael Masterson, Director of Operations for W5YI, the VEC group voicing his displeasure of the 8 people given the option of taking the general class test unprepared. Discussion followed. Elections are upcoming. Discussions regarding open offices of President, Vice President, Treasurer and Activities Director. Possible candidates mentioned but no confirmed candidates yet.

Vice President

Future Meeting Programs:

August – No response from Judge Chris Hill, Field Day overview will substitute.

September – Meshtastic and Plano Balloon Festival Solicitation of Volunteers.

October – Ham 2.0

November – Open

December – Christmas Party

Treasurer

*Treasurer's report available on
HamClubOnline.com*

Field Day – 100% Solar power, 850 bonus points, total points 1,706 Exclusive of at home participants

Secretary

85 Current members

Need nominations for vacant offices by September General Meeting for ballots

Discussion regarding 25 remaining 50th anniversary pins. To be used in 50/50 drawing with remaining to be used as Christmas party prizes.

Communications Director – Absent – No Report

Newsletter Editor

Need submissions for next newsletter by Aug. 15th.

Webmaster

All websites working properly.

Activities Director

Blackland Triathlon scheduled for Labor Day – will need communications volunteers.

Plano Balloon Festival coming soon.

Public Relations

No Current Projects

Past President

St. Jude Carnival scheduled for Sept. 18-21. Requested to provide weather advisory station for event.

License Testing Coordinator - Absent / No Report

Adjourned at 7:50 p.m.



August 5, 2025

Board of Directors Supplemental Action

On August 5, 2025 the following e-mail was sent by Kip Moravec to the Board of Directors seeking approval for a replacement part for Win-Link. "Jon Galvin and I went to the repeater site to try to figure out what was wrong with Winlink being down.. The Winlink computer is working. The Kenwood TM-271 radio seems to be working. It appears the only thing left is the Kantronics PacketCommunicator3. I do not know how old it is but it is more than 15 years old. I have removed the equipment so we can reconfigure and test easier.

I would like to get approval

from the board to purchase a new modem. The best is the DRA-45 Assembled & Tested (With Plastic Case) which costs \$95 and totals \$107.25 with shipping and handling.

This modem is the same as the one Garland uses and it can do both FM Packet and Vara FM. So if we are going change, we might as well upgrade to a modem that will do VARA-FM also. ""The DRA-45 also has a 9-pin Sub-D connector that is compatible with the Kantronics so we can use the same cable and not have to invest in a new interface cable.

I will order when the Board approves the purchase. "

An e-mail poll was presented to the Board for approval of. Se this expense of \$107.25 with a motion being made by President Tim Johnson, seconded by Director Rob Forson, with "aye" votes by Newsletter Editor Lonnie Webb, Vice President Anthony Burokas, and Secretary B. J. Watkins. No response was received from Treasurer Michael Tharp, Communications Director Miranda Schwark, Webmaster James McCormick or Activities Director Richard Seitz. The motion is approved by a 5/4 majority vote.

Purchase is hereby ordered.

B. J. Watkins, P.A.R.K Secretary.





By Tim Johnson K5TCJ
president@k5prk.net

WOW! We had a great turn-out last night, and most items brought in to sell, have new homes.

Thank you, members and guests who came out; and THANK YOU all the PARK board members who worked the event. Without all your efforts we couldn't have pulled off another successful auction.

And to all our guests, you are invited to come back to our regular monthly meetings and become a part of the Plano Amateur Radio Klub.

When: The 3rd Monday of the month at 7:00PM
Where: First Methodist Church of Plano, 3160 East Spring Creek Parkway, Plano, TX. (NW corner of Parker Rd and Spring Creek Parkway)
Remember, next July, we do it all over again.



EVERY JULY, PARK HOLDS A CLUB HARDWARE AUCTION AS A FUNDRAISER. SOME ITEMS ARE SPLIT WITH THE CLUB, SOME ARE NOT, AND SOME ARE TOTAL GIVEAWAYS.

CLUB MEETING



Hey, Park! I need photos of ham radio happening around you! Your Radios, your mag mount, QSL cards, and especially grandkids & nephews running "third-party" on your rigs.

ARRL CLUB NEWS

By Steve Lott Smith, KG5VK
ARRL North Texas Section Manager
Telephone 318-470-9806
kg5vk@arrl.org

The Plano Amateur Radio Klub (PARK) is proud to announce updates on one of our Premiere Members Katherine KT5KMF is not only a long-standing club member, but she is also shattering glass ceilings wherever she goes.

Katherine Forson KT5KMF was selected for the Hiram Percy Maxim Memorial Youth Award in 2021

(<https://www.arrl.org/news/katherine-forson-kt5kmf-is-the-recipient-of-the-2021-arrrl-hiram-percy-maxim-memorial-award>)

Katherine Forson, KT5KMF, has been reelected president of W5AC, the Texas A&M University radio club. W5AC has the distinction of being the oldest radio club in the State of Texas while Katherine has the distinction of being the first female president of W5AC.

Besides holding the office of president, Katherine is the newsletter editor and CVE (Contact Volunteer Examiner) for the club. She was instrumental in moving them from paper to electronic testing and assisted VEC W5YI in implementing their student testing program, which covers licensing fees for eligible students.

Katherine, a meteorology major at Texas A&M, is the treasurer of TAMSCAMS, the student chapter of the American Meteorological Society. She is also a member and radio and licensing



Katherine KT5KMF (Photo Credit K5WFR)

director of TASC, the university storm chase team.

She has participated in multiple study abroad programs at Texas A&M which have provided her the opportunity to operate from Barbados, Australia, Tasmania, Argentina and Antarctica.

Katherine is both an ARRL Scholarship and a NOAA Hollings Scholarship winner; as part of the Hollings award, she is interning with NOAA in Boulder, Colorado this summer. She is a former ARRL Hiram Percy Maxim award winner and section youth coordinator for the ARRL North Texas Section.

Cheers! 📻

XE1RK
Rafael Kuri

MEXICO

XE1RK
Rafael Kuri

In the Amateur Radio since 1961

Confirming QSO with: **KF5JDH**

Day	Month	Year	UTC	Mhz	2-Way	RST
5	12	2010	18:02	14	USB	5/9

VERIFIED
EA5ZD
QSL MANAGER

Bosques de las Lomas, MEXICO D.F. QSL Manager EA5ZD

Tim Johnson KF5JDH's first QSL from Mexico

QSLWORLD.COM T.C.C. + WORLDWIDE + SERVING ALL CONTINENTS.

QSL TELEGRAM

Received at the Local Branch (Over the air)

28 FEB 2025 22:28

GJ24 ORIG SURINAME

MR(e) PAYNE

DEAR K5MFP-(STOP)-THX FOR THE CONTACT ON 2025-02-28-(STOP)-
STARTING AT 22:28 ENDING ON 22:29-(STOP)--YOUR SIGNAL
REPORT IS -07-(STOP)-BAND:15= FREQUENCY: 21.074 MHZ MODE:FT8-
(STOP)-LOOKING FORWARD FOR ANOTHER CONTACT SOON! CHEERS!-(STOP)-

RENATO ARAUJO - P25TW 10:28 pm

UT2UAO
Andrii Kovalenko
Beretti str. 14-A,
apt. 101
02222 Kyiv
Ukraine

CQ 16 ITU 29 Loc KO50HM URDA KV-05

Confirming QSO with: **K5MFP**

Day	Month	Year	Time, UTC	Band, MHz	Mode	2-way	Report
1	DEC	24	14:37	28	FT8		-16

73, Andrii

Micheal Payne K5MFP shares a QSL from Ukraine.

VC7J
VC7X

Confirming Our QSO(s):

To: **KG5CQO** Via:

DATE	UTC	BAND	2-WAY	RST
30. OCT. 2016	1941	21	SSB	59

QSL Manager: **VE7JH**

Operating from VE7UF's station: Zone: CQ 3, ITU: 2, IOTA: NA-036

Courtenay, BC
Vancouver Island
Canada

RAC

73, Johnnie, VE7JH

VC7J
VC7X

Vancouver Island
Canada

Johnnie Young KG5CQO's first QSL card, and the K5PRK 45th Anniversary QSL card.

K5PRK
Plano, Texas - USA
Collin County

45th Anniversary
Established 1973

PLANO
AMATEUR RADIO CLUB

**MORGAN SYSTEMS
TECHNICAL BULLETIN**
**Grounding Coaxial Cable
Shields: Why, Where, and How**

Even today it's a controversial subject—but we don't know why. The purpose and importance of grounding coaxial line shields is so critical to safe and clean telecommunication station operation that it should not be a matter of discussion, except as a how-to subject such as this paper represents.

Coaxial cable used in radio and television work is referred to as unbalanced line primarily because the center conductor carries the current and signal voltage nearly all to itself. The shield of the transmission line is just that—a shield. It carries no current except for a small induced current flowing as the result of induction by length. In a perfectly matched system the current in the shield is almost nil. That's also why in most modern applications coaxial cable shields are fitted to connectors without soldering - only compression fitting. Center conductors carry the current during transmission so they are generally soldered in place.

But that doesn't mean that the shield has no work to do, and that's the purpose of this brief technical narrative. Coaxial shields provide a protection for the center conductor and prevent ground level line leakage during transmission, noise pickup from external local sources during reception, continuous impedance matching, and physical rigidity to the line.

Short distance grounding of coaxial shields introduces an earthen neutral integrity to the shield and provides a drain source for the very types of disturbances the shield is designed to resist. It's very common to hear of stories relating how interference to other services disappeared or reception noise was reduced when shield grounding was accomplished. In lightning protection applications the shield is an exposed element, and when lightning strikes overhead or a direct "hit" occurs to antennas and tower frames it's not unusual to find as much as 80% of the applied current seeking ground through the transmission line flows down the shield. If the lightning currents do not find earth through a dissipation point before reaching the radio equipment chassis then damage to the station gear will nearly always result. In severe cases injury or loss of structure can occur.

Grounding of shields is easy and requires little experience or effort. The connections for grounding should always be done at ground level if maximum value is to be obtained, and the lead length from shield to earth entry point (the dirt) should be kept as short as possible - less than a foot if possible. Using a commercial grounding block is a very neat way of accomplishing the task, but making your own shield connections can, be done as well. Cutting the cable, inserting connectors and grounding the shield by attachment to the connectors is a common method but suffers from the inevitable impedance "bump" in the line at

that point and the possibility of exposure to water or contaminants. Removing the outer plastic with a sharp knife carefully, wrapping a solid copper wire around the exposed shield and then grounding the wire is another method that seems to work well and doesn't leave an impedance irregularity in the line.

However the work is done is far less important than making sure it gets done, and establishing a common point for multiple shield grounding makes sense in stations that use many different transmission lines. But the most important element is to be sure that the coaxial cable lines are ALWAYS brought to the ground surface first, and that shield grounding, is accomplished at that point BEFORE the cable continues on its way to reach station equipment. Keep the connections clean, tight, and waterproof—then relax and enjoy the benefits of your efforts!

Visit us online at
www.surgestop.com. 

TECH CLASS AND TESTING IN LUCAS

By Tim Johnson KF5JDH
president@k5prk.net

Earlier this month, PARK held a Technician class and testing session at the Lucas Fire Station.

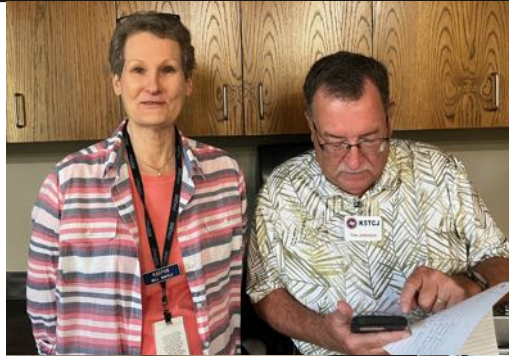
Congratulations to the following "New Hams" who took and passed the exam.

Apiwan Born
Hunter W Ervin
Jeremy S Jackson
George M Kapnas II
David A McLeod
Christopher L Mocko
Jose Villa
William M Wache

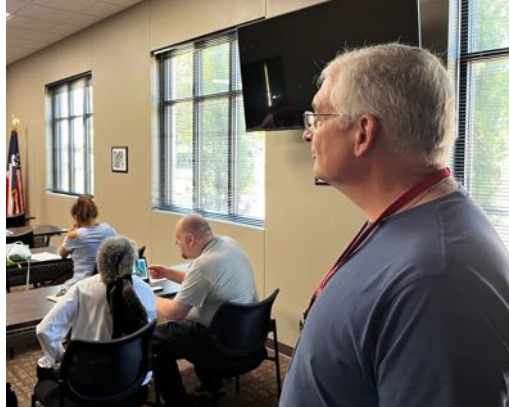
They have been invited to take advantage of their complimentary PARK membership for the remainder of the year and become members of PARK. We hope to see them at future meetings.

Thank you to William Ingram N5WOI and Daryl Morgeson AF5QJ for coordinating the class and testing, respectively.

And to all the instructors and volunteer examiners who make these classes and exams possible. 📻



VE Nell Bartels and instructor Tim Johnson.



VE Cameron Koch.



Class coordinator VE Daryl Morgenson.



VE Rob Forson and daughter VE Katherine Forson .



VE Johnnie Young(left image). Middle and right image shows test-takers and VEs.

THE RICH HISTORY OF HAM RADIO CULTURE

*Ham Radio's
Technical Culture*

Kristen Haring

By: Kristen Haring

Drawing on a wealth of personal accounts found in magazines, newsletters, and trade journals, historian Kristen Haring provides an inside look at ham radio culture and its impact on hobbyists' lives. This is an excerpt from her book pictured above.

Learning the group culture was essential to becoming a ham, and ham radio publications taught behavioral expectations to new hobbyists right along with technical lessons. The "ABC's of Ham Radio" welcomed readers to "the ranks of the grandest hobby in the world — the great international fraternity of radio hams!" then indicated in the very next sentence that "To really belong, you're going to have to go along with the standard operating procedures universally accepted by radio amateurs."

Most manuals devoted a chapter to operating a wireless sta-

tion, including an overview of on-air etiquette. One author noted that "a sense of courtesy is important" and told hams not to transmit on frequencies already in use. With surprising regularity, handbooks also endorsed general personal "qualities of the true amateur" such as "inquisitiveness, persistence, improvisation, imagination and an open mind." The exchange of technical ideas through magazine columns was cited on one occasion as a testament to the fact that "The amateur spirit has always been characterized by friendliness, helpfulness and an eagerness to share one's knowledge, tricks and pet circuits with others." The constant stream of brief prescriptions of norms and values in hobby publications served as a powerful source of enculturation into the ham community.

Code of Behavior

A concise, and the best known, list of good hobbyist conduct was the "Amateur's Code" distributed by the American Radio Relay League (ARRL). "The amateur" portrayed there is "gentlemanly," "loyal," "progressive," "friendly," "balanced," and "patriotic." The League has printed these six traits prominently in the front of its annual "Radio Amateur's Handbook" since the 1920s. Underscoring the instructional nature of the code, a didactic explanation followed each adjective. A ham's progressivism, for instance, meant that "He keeps his station abreast of science. It is built well and effi-

ciently. His operating practice is clean and regular." The League's role as a lobbying agency shone through in deeming a hobbyist "gentlemanly" for abiding "by the pledges given by the ARRL in his behalf to the public and the Government." The ARRL's "Amateur's Code" provided a model for hams to live up to and presented a favorable image of hams to outsiders. Given how frequently the popular press reprinted the standards as if they offered a neutral description of hobbyists, the "Amateur's Code" succeeded as a form of public relations.

The social ties of the ham community exerted peer pressure to enforce the rules set for members' behavior. Praising the effectiveness of "self policing" within hobby radio, a CQ magazine article called "The weight and influence of amateur approval [. . .] a very strong element in forcing the amateur to abide by the rules." A handbook instructed, "At all times keep your conduct beyond reproach," and tried to win compliance by reminding the reader, "You represent the amateur fraternity — any action on your part, good or bad, will reflect on all other hams."

This segment reprinted with the permission of MIT Reader. You can read the rest of this article by following this URL: <https://thereader.mitpress.mit.edu/the-rich-history-of-ham-radio-culture/>

FOURTH THURSDAY LUNCH



Poor Richard's Cafe at 11:30a on the Fourth Thursday of the month. We who are able to get away join up and dine on the fine local diner food.

It's a fun time and topics are random.
(It's also where I get a lot of ideas for ham radio cartoons!) 📻

***Fourth Thursday Lunch:
August 28, 2025
Poor Richards @ 11:30a***



I DARE YOU!

Take a stab!

I dare you to beat my score.

It isn't necessary to hit my score quickly. Just share your score on QRZ or facebook.

We'll enjoy growing along with you.

If my math is right I scored 20 points while I was a technician.

The glove is thrown, my radio friends.

YOU can do it!

—KG5WHQ

RADIO QUEST TECHNICIAN LEVEL	
<input checked="" type="checkbox"/>	Found an Elmer(someone to answer how-to questions)
<input checked="" type="checkbox"/>	Listened on a frequency before talking
<input checked="" type="checkbox"/>	Used your call sign on your handy talkie(HT)
<input checked="" type="checkbox"/>	Spoke to another person on a regular (simplex) frequency
<input checked="" type="checkbox"/>	Spoke on club repeater
<input type="checkbox"/>	Sent an APRS update
<input checked="" type="checkbox"/>	Logged in on QRZ.com and created a logbook
<input type="checkbox"/>	Made a contact via satellite/ISS on an HT
<input checked="" type="checkbox"/>	Got my grid location
<input checked="" type="checkbox"/>	Gave a signal report
<input type="checkbox"/>	Send a CW/Morse code CQ
<input checked="" type="checkbox"/>	Attended a ham club meeting
<input checked="" type="checkbox"/>	Joined the ARRL
<input checked="" type="checkbox"/>	Checked-in on a club info net
<input checked="" type="checkbox"/>	Asked a question on a net or a club meeting
<input checked="" type="checkbox"/>	Joined breakfast Eyeball QSO on Saturday
<input checked="" type="checkbox"/>	Passed a license exam
<input checked="" type="checkbox"/>	Signed up for EchoLink
<input type="checkbox"/>	Bought a cheap Chinese radio
<input checked="" type="checkbox"/>	Bought an expensive Japanese radio
<input type="checkbox"/>	Built a radio
<input checked="" type="checkbox"/>	Built a j-pole/2m antenna
<input type="checkbox"/>	Made a balun
<input type="checkbox"/>	Made an RF choke
<input type="checkbox"/>	Made a go-bag/go-box
<input type="checkbox"/>	Went on a POTA expedition
<input checked="" type="checkbox"/>	Asked a new contact what radio/antenna they were using
<input checked="" type="checkbox"/>	Was asked what radio/antenna you are using
<input checked="" type="checkbox"/>	Served as a net control operator
<input type="checkbox"/>	Join the ARRL

CHECK ALL THAT YOU HAVE COMPLETED. HAVE YOU FULFILLED THIS MONTH'S QUEST?

DO YOU HAVE SUGGESTIONS FOR NEXT MONTH'S RADIOQUEST? LET ME KNOW HOW YOU DID. POST SCREENCAPS ON FACEBOOK FOR BRAGGING RIGHTS!

newslettereditor@sachseradio.org

RADIO QUEST TECHNICIAN LEVEL

<input type="checkbox"/>	Found an Elmer(someone to answer how-to questions)
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newsletter@k5prk.net

RADIO QUEST

GENERAL LEVEL

<input type="checkbox"/>	Tuned up your first HF frequency
<input type="checkbox"/>	Made a DX contact(out of the continental US)
<input type="checkbox"/>	Joined a traffic net
<input type="checkbox"/>	Sent a radiogram
<input type="checkbox"/>	Worked a Field Day contact
<input type="checkbox"/>	Participated in a contest
<input type="checkbox"/>	Used a digital mode
<input type="checkbox"/>	Sent an email over the radio
<input type="checkbox"/>	Connected your radio to the computer/internet
<input type="checkbox"/>	Used a SWR meter
<input type="checkbox"/>	Grounded your station
<input type="checkbox"/>	Grounded your antenna
<input type="checkbox"/>	Applied a lightning arrestor
<input type="checkbox"/>	Drove a ground rod
<input type="checkbox"/>	Computed RF emissions for your station
<input type="checkbox"/>	Ran your station on a battery
<input type="checkbox"/>	Powered your station from a car power supply
<input type="checkbox"/>	Created your first scratch paper log
<input type="checkbox"/>	Installed logging software(such as hamrs/n1mm)
<input type="checkbox"/>	Logged on to LOTW
<input type="checkbox"/>	Used a pi*star
<input type="checkbox"/>	Used a Watt meter
<input type="checkbox"/>	Made a counterpoise
<input type="checkbox"/>	Threw a wire up in a tree for an antenna
<input type="checkbox"/>	Know who Dave Cassler is
<input type="checkbox"/>	Have given a Roger Roger (RR)
<input type="checkbox"/>	Stood on a ladder and wondered "Will it antenna?"
<input type="checkbox"/>	Joined RACES
<input type="checkbox"/>	Listened to a weather net

CHECK ALL THAT YOU HAVE COMPLETED. HAVE YOU FULFILLED THIS MONTH'S QUEST?

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Take a stab!

I dare you to beat my score. It isn't necessary to hit my score quickly. Just share your score on QRZ or facebook.

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If my math is right I scored 27 points while I was a general.

The glove is thrown, my radio friends.

YOU can do it!

—KG5WHQ

**Email
your scores to
NEWSLETTER@K5PRK.NET
There will be a prize.**

THE HISTORY OF SKYWARN (PART 1 OF 3)

By Scott Whitfield KE5AYC
scott.whitfield@icloud.com

SKYWARN is a nation wide volunteer network of trained severe weather "storm spotters." This program was originally developed by the National Weather Service (NWS) in the late 1960's on how the public can Identify, Evaluate, and Report severe weather events.

Storm spotting is a form of weather spotting in which observers watch for the approach of severe weather, monitor its development and progression, and actively relay their findings to local authorities.

History: storm spotting was mainly carried out by trained individuals in either the military, aviation, or law enforcement fields of service. It was not until 1947 that volunteer spotting, as it exists today, was born. After a series of vicious tornado outbreaks hit the state of Texas in 1947, the state placed special emphasis on volunteer spotting, and the local weather offices began to offer basic training classes to the general public. Spotting required the delivery of timely information so that warnings could be issued as quickly as possible, thus civilian landline phone calls and amateur radiooperators provided the most efficient and fastest means of communication. While phone lines were reliable to a degree, a common problem was the loss of service when an approaching storm damaged phone lines in its path. This eventually led to

amateur radio becoming the predominant mean of communication and resulted in the installation of special amateur radio work zones within local weather offices. Volunteer spotters would come into the local office and run a radio net from within, directly relaying information to meteorologists.

The 1950s saw the deployment of the first dedicated weather radars in the United States, and by this time, civilian spotter networks were commonplace. The new reflectivity-only radars provided meteorologists with basic information and helped identify potentially severe storms, but due to the nature of weather radar, most precipitation was detected at a height of 1 kilometer or more above the ground. Ultimately, the radar cannot see what exactly occurs at the surface of the earth, and storm spotters now correlated ground truthing with radar signatures. This early conventional radar showed intensity of echoes, inferring precipitation intensity and types, and the horizontal and vertical distributions provided information about storm structures and processes. The hook echo was a major method used as an indicator for potential for tornadic activity during the first decades of weather radar. During the 1990s in the US, Doppler weather radar was deployed, providing velocity data on echoes flowing toward and away from the radar location, which enabled

inferences about storm rotation, such as mesocyclones, and other dynamics, as well as data on downbursts (and wind shear aloft). The 2010s brought polarization radar in the US, which enabled confirmation of the presence of stronger tornadoes by discerning nonmeteorological echoes colocated with rotation in velocity data, which indicates the presence of lofted debris. However, radar is still limited by factors such as not capturing near surface environment and limitations on spatial and temporal resolution. Therefore, ground truth information remains important.

Scott Whitfield KE5AYC is an American Banjo Museum Hall of Fame Inductee of 2021, a weather junkie, teacher, and serves the ham radio community as a weather spotter and storm chaser.

All typos are intentional & have secret meanings... ☺



RICHARDSON AREA BALLOONING

By KE5GDB

Good evening!

[Please forward this to any other interested clubs/groups/parties]

<https://www.k5rwk.org/2025/08/13/rwk-balloon-launch-announcement-august-23rd/>

The Richardson Area Balloonatics / Richardson Wireless Klub will be launching a high-altitude weather balloon on Saturday August 23rd, weather and upper atmosphere conditions permitting. The launch will be just north of the DFW metroplex, but near apogee at 100,000ft+ we expect coverage to include most of Texas and Oklahoma, with some Arkansas and Louisiana coverage as well. The flight is expected to last around 2.5 hours (9:00AM to ~11:00AM ascent, and on the ground by noon). Stations beyond line-of-sight are encouraged to listen for the 20m beacon on the balloon (details below).

The launch site will be chosen based on winds aloft and target landing areas. Expect it to be in northern Collin or Denton counties.

We will have a special event QSL card if you receive images/ tracking data from the balloon or make contact through the onboard repeater. See <https://k5rwk.org/balloons> on launch day to submit for a QSL card or Worked All Payloads ("WAP") award.

Flight goals:

- * Finally capture some 360° camera footage from launch to burst.

- * Test 20m HF 50-baud Horus Binary v2 beacon on 14.070MHz @ 10mW with dipole antenna -- what does the propagation look like beyond the radio horizon? (RX is easy, just feed sideband audio to your PC. Details at <https://github.com/projecthorus/horusedmodlib/wiki#how-do-i-receive-it>).

- * Fly a Geiger counter.

- * Measure pressure balloon pressure delta.

- * Prove data aggregator concept using Pi Pico W + BLE to Raspberry Pi (small sensors to Wenet payload).

Ways to participate from afar:

- * Track the payloads at <https://amateur.sondehub.org/> (look for K5RWK, K5UTD, K5PRK, and KE5GDB-Wenet).

- * Receive SSTV pictures in real-time - 432.5 MHz / Robot 36.

- * Make contacts through the crossband repeater - 147.435MHz PL 67.0 uplink, 446.0 (no PL) downlink.

- * Decode our tracking payloads - "Horus Binary v2" on 432.6, 432.7, and 432.9 MHz (decode using upper sideband and Horus GUI or <https://horus.sondehub.org>)

- * Watch live images stream in via Wenet at <https://ssdv.habhub.org/KE5GDB>

Participate in person:

- * Launch site TBD -- will be north of DFW, likely in Collin or Denton county.

- * Launch prep begins at 8:00AM with a target launch

time of 9:00AM.

- * If chasing, please carpool -- we've had congestion issues before.

- * Chase simplex is on 146.54MHz -- please bring an HT that can talk on 146.54 if chasing

- * Chase crew should bring boots, long pants, plenty of bug spray, and lots of water! Be prepared for a bit of a hike and high temperatures!

I'll be sending more details regularly to k5rwk@groups.io and parkballoon@k5prk.groups.io and a final update on Friday 8/22 to this group.

We hope to see you at the launch or hear you on the repeater!

73 de KE5GDB 



Red Bull Yagi--because.

CLUB CALENDAR

AUGUST

Sunday3		Monday4		Tuesday5	
1p Military Veterans D-Star Net @ REF026A 7p DARC (Dallas) Meeting on the Air 7p Intl D-Star Net @ REF001C 8p K5TIT D-Star Net @ REF33B 9p Collin County ARES @ WD5ERD 222 MHz and Up Distance Contest North American QSO Party, CW Hemus VHF Contest - 144 MHz SARL HF Phone Contest		7p K5PRK Board Meeting @ Jits 7p GARC (Garland) Club Meeting 7:30p Texas ARES Net @ 3.873 MHz 7:30p RWK -- Meeting on the Air @ 147.12, PL 110.9 8:30p MARC (McKinney) Simplex Net @ 146.54 K1USN Slow Speed Test ICWC Medium Speed Test OK1WC Memorial (MWC) ICWC Medium Speed Test		7p DARC (Dallas) General Meeting 7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B ARS Spartan Sprint ZL Sprint Worldwide Sideband Activity Contest ICWC Medium Speed Test	
1p Military Veterans D-Star Net @ REF026A 2p Texas RACES Net (HF) @ 7.255MHz 7p Intl D-Star Net @ REF001C 8p K5TIT D-Star Net @ REF33B WAE DX Contest, CW SKCC Weekend Sprintathon YB Bekasi Merdeka Contest Maryland-DC QSO Party SARL HF Digital Contest		7:30p Texas ARES Net @ 3.873 MHz 8:30p MARC (McKinney) Simplex Net @ 146.54 K1USN Slow Speed Test 4 States QRP Group Second Sunday Sprint ICWC Medium Speed Test OK1WC Memorial (MWC) ICWC Medium Speed Test MMMonVHF/DUBUS 144 MHz Meteorscatter		7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B MMMonVHF/DUBUS 144 MHz Meteorscatter Worldwide Sideband Activity Contest ICWC Medium Speed Test ZL Sprint DARC FT4 Contest	
1p Military Veterans D-Star Net @ REF026A 7p Intl D-Star Net @ REF001C 8p K5TIT D-Star Net @ REF33B 9p Collin County ARES Training Net @ W5MRC 10 GHz and up - round 1 EME - 2.3 GHz and up Rookie Roundup - RTTY SARTG WW RTTY Contest Russian District Award Contest SARL Youth QSO Party		6p VE Testing @ K5PRK 7p K5PRK General Meeting 7:30p Texas ARES Net @ 3.873 MHz 8p American Legion Post 315 Radio Club Net @ W5SRA 8:30p MARC (McKinney) Simplex Net @ 146.54 K1USN Slow Speed Test ICWC Medium Speed Test OK1WC Memorial (MWC) RSGB FT4 Contest ICWC Medium Speed Test		7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B Worldwide Sideband Activity Contest ICWC Medium Speed Test ZL Sprint	
1p Military Veterans D-Star Net @ REF026A 2p Texas RACES Net (HF) @ 7.255MHz 7p Intl D-Star Net @ REF001C 8p K5TIT D-Star Net @ REF33B Hawaii QSO Party ARSI VU DX Contest YO DX HF Contest Ohio QSO Party CVA DX Contest, SSB SARL HF CW Contest		7p DARC (Dallas) Geek Net @ W5FC 7p GARC (Garland) Club Meeting 7:30p Texas ARES Net @ 3.873 MHz 8:30p MARC (McKinney) Simplex Net @ 146.54 K1USN Slow Speed Test QCX Challenge ICWC Medium Speed Test OK1WC Memorial (MWC)		7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B Worldwide Sideband Activity Contest ICWC Medium Speed Test QCX Challenge ZL Sprint	
1p Military Veterans D-Star Net @ REF026A 7p Intl D-Star Net @ REF001C 8p K5TIT D-Star Net @ REF33B SCRY/RTTYOps WW RTTY Contest ALARA Contest U.S. Islands QSO Party World Wide Digi DX Contest Colorado QSO Party Kansas QSO Party					

AUGUST

AUGUST			
Wednesday 6	Thursday 7	Friday 8	Saturday 9
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB VHF-UHF FT8 Activity Contest Phone Weekly Test A1Club AWT CWops Test (CWT) Mini-Test 40 Mini-Test 80	11a GARC (Garland) Crony Lunch @ Judy's Cafe 7p HAM (Mesquite) Monthly Meeting 8p GARC (Garland) InfoNet Walk for the Bacon QRP Contest NRAU 10m Activity Contest SKCC Sprint Europe CWops Test (CWT)	Walk for the Bacon QRP Contest QRP Fox Hunt NCCC FT4 Sprint Weekly RTTY Test NCCC Sprint K1USN Slow Speed Test	9a W5YI VE Test Session @ Wylie 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A WAE DX Contest, CW FISTS Saturday Sprint SKCC Weekend Sprintathon YB Bekasi Merdeka Contest Maryland-DC QSO Party Kentucky State Parks on the Air 50 MHz Fall Sprint
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8:30p NTx ARES Net @ 3860 MMMonVHF/DUBUS 144MHz Scatter NAQCC CW Sprint Phone Weekly Test A1Club AWT CWops Test (CWT) VHF-UHF FT8 Activity Contest Mini-Test 40 Mini-Test 80	11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet CWops Test (CWT)	15 NCCC FT4 Sprint QRP Fox Hunt Weekly RTTY Test NCCC Sprint K1USN Slow Speed Test	16 9a W5SRA Laurel VE Test Session 12p Garland "Hands-On" Gathering 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A 10 GHz and up - round 1 EME - 2.3 GHz and up SARTG WW RTTY Contest Russian District Award Contest SARL Youth QSO Party Keyman's Club of Japan Contest Feld Hell Sprint North American QSO Party, SSB
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 7p Murphy CERT Net @W5SRA Phone Weekly Test A1Club AWT CWops Test (CWT) Mini-Test 40 Mini-Test 80	21 11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet Walk for the Bacon QRP Contest CWops Test (CWT) NTC QSO Party	22 NCCC FT4 Sprint QRP Fox Hunt Weekly RTTY Test NCCC Sprint K1USN Slow Speed Test	23 9a GARC Swap Shop @ GARC Clubhouse 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A Hawaii QSO Party ARSI VU DX Contest YO DX HF Contest Ohio QSO Party CVA DX Contest, SSB
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB SKCC Sprint Phone Weekly Test A1Club AWT CWops Test (CWT) Mini-Test 40 Mini-Test 80	28 12p Fourth Thursday Ham Lunch 11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet CWops Test (CWT)	29 NCCC FT4 Sprint QRP Fox Hunt Weekly RTTY Test NCCC Sprint K1USN Slow Speed Test SCRY/RTTYOps WW RTTY Contest	30 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A SCRY/RTTYOps WW RTTY Contest Feld Hell Sprint ALARA Contest U.S. Islands QSO Party World Wide Digi DX Contest Colorado QSO Party Kansas QSO Party

CLUB CALENDAR

SEPTEMBER

Sunday 31	Monday 1	Tuesday 2
1p Military Veterans D-Star Net @ REF026A 7p Intl D-Star Net @ REF001C 8p KSTIT D-Star Net @ REF33B	7p GARC (Garland) Club Meeting 7:30p Texas ARES Net @ 3.873 MHz 7:30p RWK -- Meeting on the Air @ 147.12, PL110.9 8:30p MARC Simplex net	7p DARC (Dallas) General Meeting 7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B 8p Lucas Open Net
1p Military Veterans D-Star Net @ REF026A 7p DARC (Dallas) Meeting on the Air 7p Intl D-Star Net @ REF001C 8p KSTIT D-Star Net @ REF33B 9p Collin County ARES @ WD5ERD	7p K5PRK Board Meeting 7:30p Texas ARES Net @ 3.873 MHz 8:30p MARC Simplex net	7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B 8p Lucas Open Net
1p Military Veterans D-Star Net @ REF026A 2p Texas RACES Net (HF) @ 7.255MHz 7p Intl D-Star Net @ REF001C 8p KSTIT D-Star Net @ REF33B	7:30p Texas ARES Net @ 3.873 MHz 8p American Legion Post 315 Radio Club Net @ W5SRA 8:30p MARC Simplex net	7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B 8p Lucas Open Net
1p Military Veterans D-Star Net @ REF026A 7p DARC(Dallas) Meeting On The Air 7p Intl D-Star Net @ REF001C 8p KSTIT D-Star Net @ REF33B 9p Collin County ARES Training Net @ W5MRC	6p VE Testing @ K5PRK 7p K5PRK General Meeting 7p DARC (Dallas) Geek Net 7p GARC (Garland) Club Meeting 7:30p Texas ARES Net @ 3.873 MHz 8:30p MARC Simplex net	7p HAM (Mesquite) InfoNet @ WJ5J (145.310 PL 110.9) 7:30p Ark-La-Tex D-Star Net @ REF048B 8p Texas D-Star Net @ REF004B 8p Lucas Open Net
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SEPTEMBER

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Wednesday 3	Thursday 4	Friday 5	Saturday 6
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8p PARK Informal Net @ 147.180+ MHz, (107.2) 8p Simplex Net @ 146.54 MHz	11a GARC (Garland) Crony Lunch @ Judy's Cafe 7p HAM (Mesquite) Monthly Meeting 8p GARC (Garland) InfoNet 8p Denton County ARES Training Net	8:30,9a North Texas Hospital Radio Club weekly check in	12p Garland "Hands-On" Gathering 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8p PARK Informal Net @ 147.180+ MHz, (107.2) 8p Simplex Net @ 146.54 MHz	11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet 8p Denton County ARES Training Net	8:30,9a North Texas Hospital Radio Club weekly check in	9a W5YI VE Test Session @ Wylie 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8p PARK Informal Net @ 147.180+ MHz, (107.2) 8p Simplex Net @ 146.54 MHz 7p Murphy CERT Net @ W5SRA	11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet 8p Denton County ARES Training Net	8:30,9a North Texas Hospital Radio Club weekly check in	9a W5SRA Laurel VE Test Session 9a GARC (Garland) ECC Open House 9a GARC Swap Shop @ GARC Clubhouse 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8p PARK Informal Net @ 147.180+ MHz, (107.2) 8p Simplex Net @ 146.54 MHz	12p Fourth Thursday Lunch 11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet 8p Denton County ARES Training Net	8:30,9a North Texas Hospital Radio Club weekly check in	7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A
6:50p NTx Readiness QST Net @ 7.27750 MHz LSB 8p PARK Informal Net @ 147.180+ MHz, (107.2) 8p Simplex Net @ 146.54 MHz	11a GARC (Garland) Crony Lunch @ Judy's Cafe 8p GARC (Garland) InfoNet 8p Denton County ARES Training Net	8:30,9a North Texas Hospital Radio Club weekly check in	12p Garland "Hands-On" Gathering 7p DARC (Dallas) Tech Net 9p Saturday Night D-STAR Net@REF029A