

CARC
Membership Meeting
Tuesday 28 February 2023 5:30 PM

The Meeting will be at
Poor Richards Café, Plano TX

Annual ARRL Night with
Steve Smith KG5VK, ARRL
NTX Section Manager

February Meeting Announcement

Steven Lott Smith, KG5VK, ARRL North Texas Section Manager will Headline Our Meeting on Tuesday, February 28th

Our guest of honor at the February 28th General Meeting will be Steve Smith, KG5VK. Steve is the current Section Manager for the ARRL NTX Section. He plans to provide a brief overview of the Section Leadership team, including what the job of a Section Manager is. Steve plans to attend the CARC meeting in-person and is known to bring along some good door prizes!

Our February meeting has become our Annual ARRL Night. Steve will share his goals for the Section and discuss some current, exciting happen-ings at League headquarters. He has asked for input on what's important to you, the ARRL members in North Texas - please send your questions, comments, frustrations, etc., to him at kg5vk@arrl.org prior to the February 28 meeting and he'll do his best to give you a frank and honest answer.



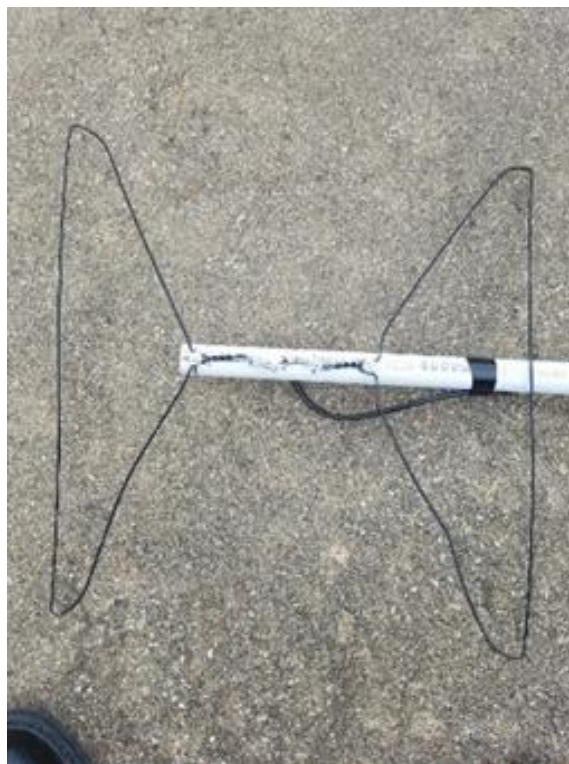
Steve was born in Miami, FL and was first licensed in 1972 as WN0FOI. He's lived in many places during his life. He

graduated from high school in Manchester, MO and joined the Air Force shortly thereafter. He served in Desert Shield and Desert Storm.

He retired from active duty in 1993 and started a professional photography business (Lott's Photo). Along the way, Steve has taught photography at the college level and after moving to Paris, TX, worked for a while at Main Trading Company. He is now your full-time Section Manager. Steve has served in various elected positions in many ham clubs along the way. He's involved in the DFW Contest Club, the Lone Star DX Association, CW OPS (Life Member), the A-1 Operator's Club, and, of course, a member of the ARRL.

Steve enjoys contesting and DXing and has achieved numerous DXCC awards, including the 5-Band DXCC and the DXCC Honor Roll. Steve enjoys serving the hams of North Texas and pledges to be transparent and available to all radio amateurs. You can contact him at KG5VK@ARRL.ORG or via phone 318-470-9806.

Pictures of the Show and Tell Projects



Mark Wells, K9MDI – 2m Coat Hanger Antenna

More Pictures on Page 7.

CARC OFFICERS	
PRESIDENT Bill Swan K5MWC 972-529-3906 bill@swanshome.net	VICE-PRESIDENT Bill Fell KK5PB 972-424-0496 kk5pb@arrl.net
SECRETARY Jim Stafford W5DTG secretary@n5cxx.us	TREASURER Kerry Weeks K5WKS 214-478-3230 weeks.kerry@gmail.com
ACTIVITIES CHAIRMAN Frank Krizan KR1ZAN 214-563-6679 fjkrizan@icloud.com	WEBSITE MANAGER Mike Hollingsworth W5QH 972.571.6060 w5qh@arrl.net
STATION TRUSTEE Bob Kirby K3NT 319.360.0500 k3nt@arrl.net	NEWSLETTER EDITOR Jim Skinner WB0UNI 214.535.5264 wb0uni@arrl.net
MEMBERSHIP Bill Fell KK5PB 972-424-0496 kk5pb@arrl.net	N5CXX CLUB STATION Phone Number/Mail Station Unavailable until further notice

VE SESSIONS

Collins Amateur Radio Club (CARC) Test sessions take place on fourth Tuesdays, immediately following the regular CARC monthly membership meeting (about 7:30 p.m.). The test sessions are held at **Poor Richards Café Plano TX**. Walk-ins are welcome, but it's best to register with the lead examiner, Kerry Weeks, at weeks.kerry@gmail.com or by phone at (214) 478-3230.

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 17th 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 church building. For further information contact Don Klick KG5CK. 972.464.2889 or E-mail rwkhamtest@gmail.com.

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Our February meeting is coming up on the 28th, and it will feature a special guest that will tell us what is happening at the ARRL. Steve Smith, KG6VK, is the ARRL North Texas Section Manager. This will be the second time Steve has been with us, as he was our guest last year. In addition to telling us about ARRL activities, he always seems to bring some good door prizes. If you would like to ask Steve to answer any questions you might have, just send an email to kg6vk@arrl.org. I hope you can make it to the meeting in person beginning at 5:30 at Poor Richard's Café in Plano or via zoom.

Wow, The Tuesday CARC Drive Home Net continues to be an enjoyable half hour of outreach to the ham community with an informal format that allows good fellowship and discussing topics of interest for those that join. The NCS plays an important role in maintaining the roundtable type of structure and ensuring that all stations have the opportunity to contribute. A new rotational approach to the NCS assignment will begin in March. Elsewhere in the minutes of the Board meeting the new schedule is included. If you have not already joined in for a great half hour of fellowship, give it a try.

As we begin this new year each of you will be most important in helping the club grow and prosper. We are beginning to plan on how to develop a “big project” that the CARC can call its own and focus on being a service. There will be much more coming out in the months ahead and each of our members will have the opportunity to be instrumental in planning the project and then implementing that plan.

Networking, Networking, Networking, that is so much a part of our lives today. Bringing people together who have a common interest. The CARC is a network, a network of people who enjoy ham radio for a variety of reasons. As a network, we have a chance to reach out and add members to our club. I encourage you to promote CARC membership to those other hams in your network that are not already members.

Collins Aerospace will be providing funding to the CARC again this year. While it is good to receive these funds, it is also a reminder that the CARC must always focus on being a value to the company, to those members that are active employees, and to the retirees, as well as the community at large.

As I close this newsletter entry, I commit to you that I will work to continue the work of the CARC, a work focused on providing fellowship and value. Let me know if you have suggestions or comments on how we can work together to make the CARC shine.

Regards,
Bill K5MWC

Vice President/Membership Chairman Report

Thanks to Frank Krizan and Bill Swan I have been introduced to the HamClubOnline software and its usage by our club. It was like taking a drink of water from a fire hose. I'll learn what is needed with their help.

Membership Status - There are no changes to the membership from the previous reporting period.

- Current membership = 57
- Full members = 40 (Includes Life and Retiree members)
- Associate members = 17

Continuing membership is important to the CARC. Through the skills and experiences of all our members, our club provides fellowship, education, and service opportunities. If you have questions about your membership status or other membership related questions, please contact me. Thank you to all of our members for your support and contributions to the CARC.

73s,
Bill KK5PB

Secretary’s Report

24 January 2023

President Bill Swan K5MWC called the meeting to order at 1735. The meeting was in person at our meeting site at Poor Richard’s Café in Plano. Zoom access was also provided for those not able to meet in person.

The following were present at the meeting site:

- Bill Swan K5MWC
- Bill Fell KK5PB
- Frank Krizan KR1ZAN
- Jim Stafford W5DTG
- Kerry Weeks K5WKSJ
- Jim Skinner WB0UNI
- Jim Brown AF5MA
- Mark Wells K9MDI
- Mark Dempsy N5MD
- Joaquin Cruz KI5WZV (Guest and presenter)
- Dave Russell W2DMR (Presenter)
- Bill Owens AD5EW (Guest from Richardson Wireless Klub)

The following logged in via Zoom:

- Bob Chandler KI5KRN
- Clarence Sebesta K5YO

Officer and Committee Reports

President Bill Swan publicly thanked the previous year’s officers for the great job they did, especially keeping the club active during the Covid pandemic.

The Vice President’s and Secretary’s reports were published in the January 2023 CARC Newsletter, and no clarifications or updates were offered at the meeting.

Secretary Jim Stafford read the two administrative motions from the January 10th Board Meeting regarding the meeting dates for 2023 and the Collins Aerospace Clubs and Leagues Funding Request Form for 2023.

Treasurer Kerry Weeks reported on Club funding.

Membership Chairman Frank Krizan provided the following program topics:

- January - Show and Tell projects
- February - ARRL Section Manager, Steve Lott Smith KG5VK
- March - 3D printing, Joaquin Cruz KI5WZV
- April - HF Go Kits, Bill Fell, KK5PB

May - ARRL Field Day Planning - Field Day (June 24th and 25th)

June - Field Day Recap

July - Ice Cream Social

Old Business: There was no old business.

New Business: There was no new business. Members and guests introduced themselves.

Announcements:

1. Bill Swan provided update on the Club station on the Collins Aerospace campus. Jim Skinner is point of contact and negotiating access for retirees to renovate the room.
2. VE Test Session tonight after meeting, if needed.
3. Munch-a-lunch 1:00pm on Thursdays at Poor Richard's
4. CARC Drive Home Net, Tuesdays at 5:30-6:00pm on 442.70 and 110.9 PL
5. Dallas County Skywarn School, Saturday, February 18. 8:30AM-4PM Granville Performing Arts Building in Garland
6. Plano Amateur Radio Club year-long 50th Anniversary
7. City of Garland-owned Garland P&L, 100th Anniversary, 4/15, Special Events Call K5G.
8. Interest in CW noted in Smithsonian Magazine

Adjournment The meeting was adjourned at 1817, followed by a program consisting of several members presenting "show and tell" projects

2023 Show & Tell Presentations:

- Frank Krizan, KR1ZAN - Rothammel's Antenna Book
- Jim Stafford, W5DTG - 2m/70cm antenna from 1973 ARRL Handbook Chapter 22
- Kerry Weeks, K5WKS - 2m/70cm Squalo
- Mark Wells, K9MDI – 2m coat hanger antenna from QST, April 2018, Page 36
- Joaquin Cruz, KI5WZV - 3D Printer Ham Radio Projects
- Dave Russell, W2DMR – 6m receiver preamp he designed, built and used 60 years ago

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CARC February Board Meeting Minutes

Date: 14 February 2023

The CARC Board Meeting was conducted by Zoom.

Bill Swan called the February meeting of the Collins Amateur Radio Club Board of Directors to order at 1900 hrs.

Board Members Present:

- President: Bill Swan, K5MWC
- Vice-President: Bill Fell, KK5PB (arrived 1907 hrs)
- Secretary: Jim Stafford, W5DTG
- Treasurer: Kerry Weeks, K5WKS (arrived 1905 hrs)
- Immediate Past President / Director at Large: Frank Krizan, KR1ZAN

Visitors Present:

- John Galvin N5TIM
- Bob Chandler KI5KRN
- Jim Brown AF5MA

Agenda

The agenda was read and Kerry Weeks made a motion that it be accepted. Bill Fell seconded and the Board approved.

Board Meeting was "recessed" at 1909 hrs for workshop to discuss agenda items.

1. New bank account establishment status. The Prosperity Bank officer handing the club account is requiring a letter to affirm and certify the election of 2023 Board Officers. The motion wording below is what is required by the bank.
2. Motion to affirm and certify the election of officers for 2023. The following wording for body of the Prosperity Bank requirement is as follows:

"The Collins Amateur Radio Club Board of Directors at its 14 February 2023 meeting affirms and certifies the election and installation of the below-named officers for the administration year 2023 and authorizes the President and Treasurer to establish financial accounts as well as signature authorization."

- President: Bill Swan, K5MWC
- Vice-President: Bill Fell, KK5PB
- Secretary: Jim Stafford, W5DTG
- Treasurer Kerry Weeks, K5WKS
- Immediate Past President / Director at Large: Frank Krizan, KR1ZAN

3. CACLB 2023 Status
 - a. Based on 48 members (employees, contractors, retirees and their spouses) and a special request for \$1,500. Total \$2,364.
 - b. Kerry Week's home address was sent to the CACLB.
- c. The president stated that the stipend from CACLB may be raised from \$20 per member to \$30, based on the club's dues structure.
4. Expired Membership Renewal Deadline (1 March)
5. Radio Room Status-
 - a. No change since last meeting
 - b. Possible disposal of Collins Linear Amplifier
6. Repeater Status- No change since last meeting
7. Drive Home Net NCS Rotation- The last two weeks there were a record of 12 check-ins. Bill Swan proposed the adoption of a rotational approach to the Net Control operator in order to provide a different personality and provide experience to the NCS. It was suggested that the NCS for March to July be: Week 1- Kerry Weeks K5WKS, Week 2- Frank Krizan KR1ZAN, Week 3- Bill Swan K5MWC. NCS for August to November to be: Week 1- Jim Stafford W5DTG, Week 2- Bill Fell KK5PB, and Week 3- Bill Swan K5MWC. These may be adjusted as time approaches. (Frank Krizan, KR1ZAN, volunteered to serve as NCS for both week 5 nets).
8. Program Reminder: February (February 28) - ARRL Night with our North Texas Section Manager, Steven Lott Smith, KG5VK
9. Big Project Discussion/Suggestions
 - a. STEM
 - b. Fox Hunt
10. Other- No other business was brought up.

The Board Workshop was ended by the President and the Board Meeting was "resumed" at 2007 hours.

Motion 1. A motion was made by Kerry Weeks, seconded by Bill Fell, and vote conducted which was unanimously approved by the Board. The Secretary is to compose a draft of the letter using the wording shown in Topic 2 above, have it reviewed by the President, print it and hand deliver to the Treasurer on February 16, 2023. A meeting with the Prosperity Bank officer by the CARC President and Treasurer will be scheduled.

A motion was made by Kerry Weeks and seconded by Bill Fell to adjourn the meeting at 2010 hrs. Unanimous vote to adjourn by Board Members.

Drive Home Net Report - February 2023



The Collins ARC Drive Home Net continues on Tuesdays from 5:30 to 6:00 p.m. on the K5QHD Repeater 442.700 MHz, +5 MHz, PL=110.9 Hz. The Net is not held on the Tuesdays of the monthly membership meeting or on Tuesdays of social events and holidays. We gratefully thank the Garland ARC for the use of their 70cm repeater while our repeater is being diagnosed.

All stations are invited to check-in, whether a member of CARC or not. The Net is informal, operating as a Roundtable.

NET LOGS SINCE LAST MONTH'S REPORT:

JAN 17 - Logs misplaced.

JAN 24 - NO NET; GENERAL MEETING

JAN 31 - [6] K5MWC Bill (NCS); K5WKS Kerry; KI5KRN Bob; WB0UNI Jim; W5BJ Bob; KI5PGM Charlie (First Time)

FEB 7 - [12 *** NEW RECORD] KR1ZAN Frank (NCS); K5WKS Kerry; AF5XZ Gary; W5BJ Bob; KI5KRN Bob; KI5WZV Joaquin; K9EZA/m Rob; KG5HCL R.J.; WB0UNI Jim; KK5PB Bill; W5GUS Gus; KG5GEU/m Bob (First time); Core topic: Are you equipped to operate Winlink? How?--HF/VHF/UHF/Telnet.

FEB 14 - [12] KR1ZAN Frank (NCS); K5WKS Kerry; KI5KRN Bob; KI5CYA Mark; KK5PB Bill; WB0UNI Jim; AA5AH Robert; N8LB Larry; W5DTG Jim (First Time on Net); W5BJ Bob; KG5GEU/m Bob; K5YO Clarence; Core topic: What digital voice modes do you use?

Average participation for this period: 10

Average participation for the previous period: 6

Net record for check-ins: 12

The Drive Home Net is intended for comments on amateur radio topics, listing items for buy/trade/sell, asking questions or contacting others on frequency. We hope you'll give it a try soon. We've had some great conversations of late.

February CARC VE Test Session Report

ARRL VE Test Sessions are held immediately following the monthly CARC Meeting at Poor Richard's Cafe, 2442 K Avenue, Plano TX 75074.



All levels of exams are being offered, BUT YOU MUST REGISTER IN ADVANCE IN ORDER TO BE ASSURED A SEAT. We also need to know

who's coming in case we have to cancel due to Covid-19 declarations.

Contact Kerry Weeks, K5WKS, at 214-478-3230 or via email: weeks.kerry@gmail.com to register. Kerry will discuss the exam fees, what you need to do prior to the exam and what to bring to the test session. More info is available at: <http://www.arrl.org/what-to-bring-to-an-exam-session>

We had no candidates for testing in January.

If you are an ARRL VE and would like to volunteer for future test sessions, contact Kerry at the email/phone shown above. If you are accredited through another VEC, Kerry can give you info on how to get accredited with the ARRL VEC.

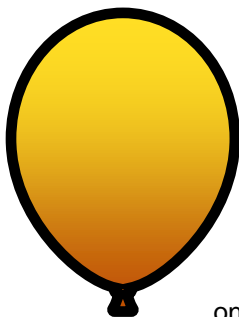
CARC Community Service Activities

Siren Testing Dennis Cobb WA8ZBT and Jim Skinner WB0UNI participate in the Richardson emergency siren testing. The February 2023 test was cancelled due to the winter storm. 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, as backup. The Garland siren test was also cancelled.

Crime Watch Patrol Jim Skinner WB0UNI participates 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.

Balloon Experimenters Worry About Reactions

Balloon hobbyists are also worried that the small balloons they launch into the sky could be shot down or that the focus on balloons could lead to tight restrictions on their little-known hobby.



Speculation has grown about whether one of the unidentified objects taken down by a U.S. F-22 on Feb. 11 over Canada's Yukon Territory was a small party-style balloon launched by a hobby group whose name is a whimsical reference to the children's film "Up." The Northern Illinois Bottle-cap Balloon Brigade recently said one of its balloons went "missing in action" on Feb. 11, near an island off the coast of Alaska.

People launch balloons for radio experiments, or as part of projects to learn more about technology, balloons, and the sky — as well as for fun, according to Dave Akerman, a

member of the U.K. High Altitude Society who has launched nearly 100 larger latex balloons. Now enthusiasts are concerned "there will be a knee-jerk reaction to what's happened," he said in an interview.

He said he hoped that authorities and hobbyists could coordinate on reasonable guidelines or rules if needed. "It's also in the interests of authorities not to be shooting down party balloons with missiles."

[ANS thanks The Washington Post for the above information]

Source: AMSAT News Service Bulletin Feb. 19, 2023

(Contributed by Frank Krizan KR1ZAN)

F-22 Downs Ham Radio Balloon

A \$380,000 Sidewinder was used to shoot down an Amateur Radio Pico Balloon. A small, globe-trotting balloon declared "missing in action" by an Illinois-based hobbyist club on Feb 15th has emerged as a candidate to explain one of the three mystery objects shot down by four heat-seeking missiles launched by US Air Force fighters since Feb 10th.

The circumstantial evidence is at least intriguing. The club's silver-coated, party-style, "pico balloon" reported its last position on Feb 10th at 38,910 ft. off the west coast of Alaska, and a popular forecasting tool —the HYSPLIT model provided by the National Oceanic and Atmospheric Administration (NOAA)—projected the cylindrically shaped object would be floating high over the central part of the Yukon Territory on Feb 11th. That is the same day a Lockheed Martin F-22 shot down an unidentified object of a similar description and altitude in the same general area.

There are suspicions among other prominent members of the small, pico-ballooning enthusiasts' community, which combines ham radio and high-altitude ballooning into a single, relatively affordable hobby.

"I just got the runaround when I tried contacting our military and the FBI—and —to try to enlighten them on what a lot of these things probably are. And they're going to look not too intelligent to be shooting them down," says Ron Meadows, the founder of Scientific Balloon Solutions (SBS), a Silicon Valley company that makes purpose-built pico balloons for hobbyists, educators and scientists.

The descriptions of all three unidentified objects shot down Feb 10-12 match the shapes, altitudes and payloads of the small pico balloons, which can usually be purchased for \$12-\$180 each, depending on the type.

"I'm guessing probably they were pico balloons," said Tom Medlin, a retired FedEx engineer and co-host of the Amateur Radio Roundtable show. Medlin has three pico balloons in flight in the Northern and Southern hemispheres.

Aviation Week contacted a host of government agencies, for comment. The NSC did not respond. The FBI and OSD did not acknowledge that harmless pico balloons are being considered as possible identities for the mystery objects shot down by the Air Force.

(Reprinted Courtesy Collins Amateur Radio Club, Cedar Rapids IA)

SSB Equipment for the Ham

I recently read and reference for you a most interesting series of articles related to the evolution of SSB equipment offered to the amateur community. Collins has made many important contributions to the advancement of the state of the art in this area. The sources for this article are the Classic Radio section of the March 2023 QST and the Q4 2022 issue of The Signal, which is a publication of the Collins Collectors Association. Repeating the full text of these articles would not be possible in the space provided in this newsletter but I will try and capture some of the key points.

- 1951: Eldico made the SSB Jr. using the phasing method of SSB for the 75-meter band. This cost \$69.95 in kit form or \$99.69 factory built and tested.
- 1953: Eldico marketed the SSB-50 which covered 160 to 10 meters and produced 50 W PEP. It sold for \$199.95 in kit form and \$279.95 factory built and tested.
- Both Eldico and Hallicrafters sold various SSB TXs and RXs through the 1950s and 1960s.
- Enter Collins Radio: In 1955 the KWS-1 (part of the KWS-1 and 75A-4 Gold Dust Twins) which ran 1 kW and covered 80 through 10 meters including the 11-meter band which years later was turned over to the CB users. The KWS-1 was a little more expensive, as it sold for \$2,095 in 1950 dollars, but its impact on the amateur and the military market is the stuff for history.
- In 1957 Collins introduced the first true transceiver called the KWM-1. It covered the 14- to 30-MHz band. It was followed by the KWM-2, which gave the ham full ham-band coverage in one compact form.
- Collins introduced the S-Line in 1958 which allowed a separate transmitter and receiver to operate either independently or as a transceiver.
- Later Collins offered a solid-state amateur transceiver; this would be the last amateur product line equipment to be produced by Collins. The KWM-380 was not a successful product from a market perspective, and only a limited number of them were produced. The unit however was built to Mil-Spec standards. The full history of the KWM-380 is included in the Collins Collectors Association Signal magazine. Perhaps in the future I can reproduce that article for the CARC. One interesting comment that I will share now is from Doug DeMaw, who at the time was the QST technical editor He said upon evaluating the KWM-380, "It looks and smells like

a Collins and it's big and heavy." He was not impressed.

- Other companies like E.F. Johnson, Heathkit, Drake, Central Electronics and National produced good SSB equipment.

The legacy of SSB equipment for the amateur is one of significant innovation and moving the state of the art forward. Collins Radio was a key contributor to that innovation and state of the art advancement. It is with a degree of pride that the CARC has the word Collins in it. What a privilege.

(Contributed by Bill Swan K5MWC)

Excerpt from Jack, W5TFB's Book

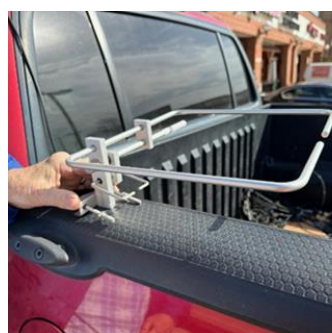
Jack's book returns next month. Jack prepares to run a chess tournament and does some more fancy cooking. Also more anecdotes about life in Louisiana.

To Be Continued

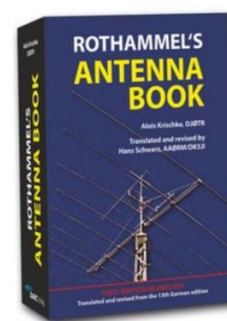
More Pictures of the Show and Tell Projects



Jim Stafford, W5DTG - 2m/70cm Antenna



Kerry Weeks, K5WKS - 2m/70cm Squalo Antenna



Frank Krizan, KR1ZAN - Rothammel's Antenna Book

New Collins Building Access Restrictions

Per Security, all "non-essential" access to Collins Aerospace facilities (including employee recreation activities) is shut-down until the Covid-19 pandemic is resolved. Anyone needing access to the Club Station must submit an email request to Security with an explanation of who, when and why access is needed, and the Security team will review, and if approved, the person will only be allowed access via the North Gate. For contact information, send an email to kr5n@arrl.net asking for Security contact information.

 FYI—Until further notice, masks are now required inside all Collins buildings. Also, a temperature check is required before entering the property. During busy hours there is a manned tent near the north gate where the temperature check is performed. During off hours, there is a place at the north gate for a self-check.

Upcoming Events

- Daily** DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
- Daily** DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
- Daily** Texas CW Traffic Net at 7:00pm on 3541 KHz and at 10pm on 3541 KHz www.k6jt.com
- Tuesdays** Collins ARC Drive Home Net. 442.7 (+5) MHz, PL=110.9 Hz (K5QHD repeater), 5:30-6:00pm (no net 4th Tuesday.)
- 1st Wednesday** Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
- 2nd Wednesday** ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm

MARCH

4-5 International DX—Phone To encourage W/VE stations to expand knowledge of DX propagation on the HF and MF bands, improve operating skills, and station capability by creating competition. W/VE amateurs: Work as many DX stations in as many DXCC entities as possible on the 160, 80, 40, 20, 15, and 10 meter bands. The event runs 48 hours, from 0000 UTC Saturday through 2359 UTC Sunday. Details at <http://www.arrl.org/arrl-dx>

APRIL

16 Rookie Roundup—Phone Mission: To encourage newly-licensed operators ("Rookies") to operate on the HF bands and experience competitive Amateur Radio operating.
 Objective: Rookies exchange information with as many other stations as possible on the 80, 40, 20, 15, and 10 meter HF bands. Rookie entrants are encouraged to read "[HF Contesting – Good Practices, Interpretations and Suggestions.](#)"
 The event runs from 1800 UTC through 2359 UTC. Details at <http://www.arrl.org/rookie-roundup>.

MAY

No ARRL Contests - don't forget our year-long Volunteers On The Air Event:
vota.arrl.org

TEXAS  FIXINS

POOR
Richard's
CAFE

We encourage you to dine at Poor Richard's Cafe, and, thank them for allowing us to hold our meetings in their facility.

—  —

2442 K Avenue, Plano 75074
<https://poorrichardscafe.com>

Need another Badge or Coffee Mug?



Order from The Sign Man of Baton Rouge at:
<https://www.thesignman.com/clubs/collinsarccart.html>

You've heard of
 the MLB ...
 Now, welcome
 the MBL ... 
 "Muncha Buncha
 Lunch" – every
 Thursday, 1 p.m. at
 Poor Richard's Cafe

The Amateur's Code

by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE - never knowingly operating in such a way as to lessen the pleasure of others.

LOYAL - offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE - with knowledge abreast of science, a well built and efficient station, and operation beyond reproach.

FRIENDLY - with slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED - Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC - with station and skill always ready for service to country and community

CDXA Periodic Table of Contests

January	February	March	April	May	June	July	August	September	October	November	December
2 R RTTY Roundup 1800	5 C, S, R VT QSO Party 0000	6 S ARRL DX - SSB 0000	3 C, S, R LA QSO Party 1400	1 C, S, R 7th Area QSO Party 1200	18 C, S, R KY QSO Party 1400	1 C, S RAC Canada Day 0000	7 C NAQP - CW 1800	4 S AA DX - SSB 0000	2 S Oceana DX - SSB 0000	6 S NA Sprint - SSB 0000	3 C, S ARRL - 160M 2000
9 C NAQP - CW 1800	6 R Mexico - RTTY 1200	10 C, S, R OK QSO Party 1400	10 C, S, R MS QSO Party 1800	1 C, S IN QSO Party 1800	12 C, S, R ARRL - VHF 1800	3 R DL DX - RTTY 1100	14 C WAE DX - CW 0000	4 C CWops Open 0000	3 S CA QSO Party 1800	6 C Sweepstakes CW 2100	4 U FT Roundup 1800
16 S NAQP - SSB 1800	8 C, S, R MN QSO Party 1400	13 C Stew Perry TBC 1500	10 C, S, R MO QSO Party 1800	1 C, S, R DE QSO Party 1700	19 C Stew Perry TBC 1500	3 C Marconi Memorial 1400	14 C, S, R MDC QSO Party 1400	18 C, S, R CO QSO Party 1500	9 R Makrothen - RTTY 0000	13 R WAE DX - RTTY 0000	11 C, S ARRL - 10M 0000
16 C, S, R ARRL - VHF 1800	8 C, S, R BC QSO Party 1800	13 C, S, R ID QSO Party 1300	4 S NA Sprint - SSB 0000	1 C, S, R New England QSO Party 2100	18 C, S, R WV QSO Party 1800	10 C, S IARU 1200	21 S NAQP - SSB 1800	18 C, S NE QSO Party 1500	9 C, S, R NV QSO Party 1800	20 S Sweepstakes SSB 2100	18 C, S RAC Winter 0000
22 R BARTG RTTY 1200	4 C NA Sprint - CW 2000	13 R NA Sprint - RTTY 2000	10 D FT(n) DX 1200	1 C, S, R AR QSO Party 1800	17 C, S, R CQWW - VHF 1800	17 C, S, R CQWW - VHF 1800	28 C, S, R HI QSO Party 1800	18 C, S, R TN QSO Party 1800	9 C Oceana DX - CW 0000	27 C CQWW - CW 0000	24 C Stew Perry TBC 1800
29 C CQ - 160M CW 2000	12 R CQWW WPX - RTTY 0000	14 C, S, R WI QSO Party 1800	10 C, S, R NM QSO Party 1400	29 C CQWW WPX - CW 0000	17 R NAQP - RTTY 1800	17 R NAQP - RTTY 1800	28 O WW Digi DX 0000	11 S WAE DX - SSB 0000	8 C, S, R AZ QSO Party 1800	24 C RSGB IOTA 1200	24 C OH QSO Party 1800
	20 C ARRL DX - CW 0000	20 R BARTG RTTY 0000	10 C, S GA QSO Party 1800				28 S TX QSO Party 1400	11 C, S, R PA QSO Party 1800			



Richardson, Texas
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N5CXX REPEATER
 441.875 MHz +5 MHz Input
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 145.05 MHz

N5CXX-N1, NRCXX-N2 & N5CXX-N3 HSMM-MESHNET Nodes 2.4 GHz

Membership Meeting
 Tuesday 28 February 2023 5:30 PM
 THE MEETING WILL BE AT
Poor Richards Café Plano TX

NEXT SIGNALS INPUTS DEADLINE:
→→→ 17 March 2023 ←←←