



On Your MARC

The Newsletter of the McKinney Amateur Radio Club,
W5MRC



Volume 43 #02

Visit our Web page @ <http://www.mckinneyarc.org>

February, 2018

Next Meeting: Feb. 13, 2018 Celebrating 50 Years Association with the ARRL

Don't miss this special meeting! Come celebrate this club milestone! There will be refreshments, door prizes, good fellowship, and a visit into how the club arrived at this point today. A picture wall will portray many of the club's activities and accomplishments. There will also be opportunity for photos of individuals and a group photo. Commemorative coffee mugs will be available for \$5 each.

For most of us, this is a once-in-a-lifetime opportunity. See you there!

MEETING PLACE

MARC holds its regular business meetings on the second Tuesday of each month at 7pm. Meetings are located at:

Spring Creek Barbeque
1993 North Central Expressway
McKinney, TX

Exit US-75 at US-380 (University Drive), travel west making a right into the Target complex.

Once in the complex, Spring Creek can be found to your right directly across from the Target Building.

MARC Mentoring Program

Are you looking for someone to answer Amateur Radio related questions or assist you with getting to that next license class? Contact the MARC Mentor Program Coordinator to be matched up with a volunteer Mentor who will work with you. Send an Email to mentor@mckinneyarc.org for more information, to start getting answers, or if YOU would like to become a Mentor!



President's Message

A lot is going on this month. First, we have our general meeting on Tuesday, February 13 which will be a once-in-lifetime 50th Anniversary Celebration! That's right. We have records that substantiate the McKinney Amateur Radio Club (MARC) affiliation with the ARRL commencing on February 14, 1968. Happy Valentine to MARC and ARRL (actually it may have occurred earlier, but that date is the earliest of record). We plan on a few interesting stories about the club history and a few really nice door prizes! We also expect a presentation from the ARRL Section Manager and MARC member, Jay Urish, W5GM. Don't miss this one! See more details in this newsletter edition. Note: in this regard, we will also be hosting a W5MRC/ARRL Commemorative special event on May 5-6, 2018, so get the dates on your calendar (more about this next month).

MARC will be presenting two special awards at the Dallas Regional Science and Engineering Fair (DRSEF) on February 24, 2018. Started in 1957, the DRSEF is one of the largest and highest quality regional student science fairs in the world. This annual event attracts students, teachers, academics, and professionals who are focused on research project-based learning in science and engineering. Special Awards are presented by members of local and national organizations to participants whose projects fit a specific area of interest. We still need a few MARC members to serve as judges for the event. Since our area of interest is radio-related your required experience and education is only related to that area of interest (i.e., if you are a member of our club you have met the experience/education requirement). The DRSEF serves public and private middle and high schools from approximately 18 North Texas counties. MARC is the only radio club that serves in the capacity of a Special Awards sponsor for this event. For further information or to volunteer see the related article in this edi-

(Continued on page 4)

MARC Officers and Supporting Roles

2018 MARC OFFICERS

- President:** Bill Vining, N5YZ
president@mckinneyarc.org
- Vice President:** Robert DiGioia, N5SP
programs@mckinneyarc.org
- Secretary:** Lisa Barnes, KG5OBK
secretary@mckinneyarc.org
- Treasurer:** Dave Piekarski, N5EEN
treasurer@mckinneyarc.org
- Newsletter Editor:** Bob DeVance, K5CRX
newsletter@mckinneyarc.org
- Director-at-Large:** Andy Barnes, W5KZJ
dirlarge@mckinneyarc.org
- Repeater Trustee:** Ron Carlson, WW2CBI
trustee@mckinneyarc.org
- Communications Director:**... Bob DeVance, K5CRX

Supporting Roles

- ARRL Awards Manager:** Mike Baker, W8CM
- Club FCC License Trustee:** Brian Belcher, WA5M
- Club Librarian:**..... Ron Carlson, WW2CBI
librarian@mckinneyarc.org
- Mentor Coordinator:**..... Claude Canterbury, KE6EJG
mentor@mckinneyarc.org
- Net Manager:** Kyle Ackerman, KC5VEW
- Public Information Officer:** Lynda Tuma, KF5JUO
info@mckinneyarc.org
- QSL Manager:** Claude Canterbury, KE6EJG
- Repeater Control Operators:**..... Brian Belcher, WA5M
Mike Baker, W8CM
Dave Piekarski, K5EEN
- VE Team Leader:**..... Stephen Reinen, N8BP
ve-testing@mckinneyarc.org
- Webmaster:** Michael Griego, N5GNU
webmaster@mckinneyarc.org

Meeting Presentations: If you or someone you know would like to present a topic at one of our meetings, or if you have questions about a past presentation, please contact our presentation coordinator at programs@mckinneyarc.org

Join Us!: The club is open to all, especially those who want to be or are involved in Amateur Radio. Please contact the club secretary at secretary@mckinneyarc.org or by post at the above address for more information or access an application on our website <http://mckinneyarc.org/>.

CREDITS & KUDOS

“The fine print about where we stole it from” The editor expresses appreciation to such sources as the ARRL Letter, QST, and CQ and their associated websites and clubs. Unless noted, the information is in the public domain and not unique to any source. Please respect the copyrights of the authors where noted. Third party sources should be contacted prior to re-use when noted “taken from”.

Distribution and Submission Information

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ALL current members including those who are part of family memberships may receive the Emailed version. To switch versions send an Email newsletter@mckinneyarc.org and include the following information: Member Name, Call Sign, Email address and version desired.

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Readers wishing to submit an item for publication should send it to:

newsletter@mckinneyarc.org

or

Editor, *On Your MARC*
P.O. Box 267
McKinney, TX 75069

Submissions may be sent at any time. The Editor reserves the right to determine suitability for inclusion in the newsletter.

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Minutes of the General Meeting



Minutes of the General Meeting 1/9/2018

Bill N5YZ called the meeting to order at 7 PM and led the membership in the Pledge of Allegiance. Introductions went around the room, there were 31 members present.

VISITORS: Bill Owens AD5EW and his wife, Glenn Means WOGLN and his wife, Dennis Strauble KG5VSP

NEW LICENSEES/CALL SIGNS: Michael N5MAJ, Amateur Extra Ticket

SECRETARY'S REPORT: Bill N5YZ reported that the Minutes of the December 12, 2017, General Meeting had been published in the January 2018 Newsletter, and requested a motion to approve the Minutes as published. Motion by Dave K5SJK, second by Andy W5KZJ. The motion carried.

TREASURER'S REPORT: Bill N5YZ presented the Club's Financial report as compiled by our outgoing treasurer, Kenneth KF5TXL.

Beginning Balance: \$1 4,655.65
+ Revenue: \$ 456.07
- Expenses: \$ 279.08
= Ending Balance : \$1 4,832.64

CLUB NETS: Bill N5YZ reviewed the Club nets:

General Information Net: Every Sunday at 8:00PM – W5MRC repeater, 146.740 MHz, offset -0.600 MHz, tone 110.9 Hz

Ladies Net: Every Monday at 8:00PM – W5MRC repeater, 146.740 MHz, offset - 0.600 MHz, tone 110.9 Hz

Simplex Net: Every Monday at 8:30PM – 146.540 MHz. No offset or tone required.

PROGRAM: Bob K5CRX presented a program, Seven Common Tasks Every Ham Should Know About. He reviewed soldering, heat shrinking, butt splicing, bundling wires, “quick and dirty” antenna setup, checking power on your radio, and checking batteries. He recruited several volunteers from the club to demonstrate these tasks.

BUSINESS:

Emily KF5VFF gave an update regarding planning of the 50th Anniversary Celebration at our 2/13/18 club meeting at Spring Creek BBQ. She asked for any photos documenting our history and any special stories to share at the event. There will be refreshments and door prizes. Commemorative mugs will also be for sale for \$5.00. Contact Emily at emilyjdietz@gmail.com for more information or if you have photos or stories to share at the event.

Bill N5YZ talked about Skywarn Training to be held at Collin College McKinney Campus on 1/20/2018. Our club will be providing a refreshment table for donuts and coffee. Jim KG5FVM and Kenneth KF5TXL have volunteered to organize the refreshment table. Bill encouraged club members to attend this free severe weather training event.

Bill N5YZ announced that judges are needed for the Dallas Regional Science and Engineering Fair on February 24, 2018. Volunteers should contact Bill at president@mckinneyarc.org.

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Andy W5KZJ announced that we will be assisting the City of McKinney with Emergency Warning Siren Testing on 3/3/2018 beginning at 11:30 AM. We provide this service to the city twice a year as a public service activity. We will be going out for lunch together after the testing is completed. Contact Andy W5KZJ at w5kzjham@gmail.com if you are interested in helping that day. 25 volunteers are needed to cover all the sirens.

Bill N5YZ announced the next board meeting will be 1/20/18 at Creekwood United Methodist Church, 261 Country Club Road, Allen TX at 8 AM. All are welcome to attend.

NEW MEMBERS: The following people were unanimously voted into club membership. Please join us in welcoming Dennis Strauble KG5VSP- general class and Glenn Means WOGLN- advanced class.

50/50 DRAWING: Sid KG5VDS split a \$50.00 pot with the club, winning \$25.00

DOOR PRIZE: Brian WA5M won a multi-meter and side cutters

ADJOURNMENT: Dave W5UXS made a motion to adjourn, second by Kyle KC5VEW. The motion carried and the meeting adjourned at 8:34 PM.

Lisa Barnes KG5OBK, secretary

Call for Support for Siren Test

Hello all MARC members,

We again have an opportunity to offer a valuable service to the City of McKinney as well as all residents of our fair city. March 3, 2018, we will be monitoring the Emergency Outdoor Warning System sirens during their monthly test. It is an excellent opportunity for you to give back to the residents of the

city as well as practice emergency radio operations.

I'm in need of volunteers to complete this task. We generally start the net around 11:40 AM the sirens sound at 12:00 PM. We wrap-up about 12:15 PM. In the past we have met at Jungle Burger or Fuddrucker's following the test. I am sure we at least some of us will do the same this time as well.

To volunteer, send please an email to dirlarge@mckinneyarc.org. Please let me know the type of radio you will be using i.e. (HT, Mobile) so I can place you at the appropriate location. We will be using a different siren location layout this time.

73,

Andy, W5KZJ

(Continued from page 1)

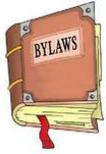
tion of the newsletter.

And let's remember the City of McKinney bi-annual public safety siren test is coming up on March 3, 2018. We need about 25 operators for this public service activity. Each volunteer will be stationed at an outdoor warning site (OWS) and report the observed operational characteristics of their assigned OWS station. This is a fun project that is completed in about a half hour and afterwards we usually meet at a local eatery for lunch. Please contact Andy W5KZJ dirlarge@mckinneyarc.org for further information or to sign-up.

73,

Bill Vining, N5YZ
President MARC

Minutes of the Board Meeting



Board of Directors Meeting 1/20/18

ATTENDEES: Bill Vining N5YZ, Robert DiGioia – N5SP, Dave Piekarski – K5EEN, Bob DeVance – K5CRX, Andy Barnes W5KZJ, Ron Carlson – WW2CBI, Lisa Barnes KG5OBK

GUESTS: Jim Kemp – KG5FVM, Kenneth Spock KF5TXL

CALL to ORDER: Bill- N5YZ called the meeting to order at 8:08 AM and Bob – K5CRX opened in prayer

WELCOME NEW OFFICERS AND DIRECTORS: Bill N5YZ welcomed new officers and directors elected at the November 2017 general meeting.

SECRETARY'S REPORT: Lisa - KG5OBK reported that the minutes of the December Board Meeting had been published in the January Newsletter, and made a motion to approve the minutes as published. Second by Robert – N5SP. Motion carried.

TREASURER'S REPORT: Dave -K5EEN, provided the Club's Financial Report.

Beginning balance	\$14,832.64
Revenue	\$ 755.00
Expenses	\$ 385.23
Ending balance	\$ 15,202.41.

The 2018 operating expenses appropriation was presented by Dave K5EEN. It was discussed that the current balance of the self-insurance fund is \$3003.93.

MARC AND ARRL CELEBRATION- 50TH ANNIVERSARY: Bob K5CRX noted that Emily KF5VFF has some exciting plans for our celebration on 2/13/18. She will be creating a picture wall and a place for taking photos. Refreshments will be served. Discussed taking a group picture and article to ARRL. Plans are also to have members share memories. Bob K5CRX will be sending out email blasts to advertise the event. There was also discussion about putting up a poster at HRO. Discussed recognizing the oldest living member and the person who has belonged to the club the long-

est at the event. Two Yaesu FT65R hand held radios will be given away as door prizes. Only members in attendance at the time of the drawing will be eligible.

DONATIONS: Two Wal Mart locations made donations to MARC for our table at SkyWarn. A \$25 gift card was received as well as 6 dozen donuts. Since SkyWarn was cancelled, board members volunteered to take the donuts to local Fire Departments and the Samaritan Inn in McKinney. Lisa KG5OBK will be sending thank you notes to the two Wal Mart stores for their donations.

SPECIAL EVENT STATION: Bill N5YZ discussed having a special event station to celebrate our 50th anniversary and will reach out to Dave Marking about what we need to do to plan this.

HAM-COM 2018: Bill N5YZ discussed that we are going to be assisting with parking at HAM-COM 2018. We will also have a table at HAM-COM 2018 and will be selling equipment for club members for a commission. We discussed selling our 50th anniversary mugs there and will also be in charge of the Tailgate Sale and will be making \$8 for each parking spot used by those who are participating in this event

DALLAS REGIONAL SCIENCE AND ENGINEERING FAIR- SATURDAY

2/24/2018: Bill N5YZ advised that this is our fifth year to participate as judges. He has asked that anyone interested in volunteering contact him. Continental breakfast and lunch will be provided for those who volunteer. Volunteers will carpool to the event.

FIELD DAY CHAIR AND COMMITTEE: Andy W5KZJ has volunteered to act as advisor for the 2018 Field Day. He will be contacting

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NOTICE

**The next MARC Board meeting will be
February 17, 2018—8:00 AM**

at

**Creekwood United Methodist Church
261 Country Club Road
Allen, TX 75002**

Visitors are always welcome!

About Groups.io

Per Mark Fletcher: He started the service ONElist in 1998. ONElist made it easy for people to create, manage, run and find email groups. As it grew over the next two and a half years, they expanded, changed their name to eGroups, and, in the summer of 2000, were acquired by Yahoo. The service was renamed Yahoo Groups. Mark left the company and then developed **Groups.io**. It was launched in September, 2014.

He launched Groups.io to bring email groups into the 21st Century. At launch, they had many features that other services didn't have, including:

- Integration with other services, including: Github, Google Hangouts, Dropbox, Instagram, Facebook Pages, and the ability to import Feeds into your groups.
- Businesses and organizations can have their own private groups on their own subdomain.
- Better archive organization, using hashtags.
- Many more email delivery options.
- The ability to mute threads or hashtags.
- Fully searchable archives, including searching within attachments.

Because of various issues with Yahoo groups, on December 2, 2017, Dan - W5FRT, with the board's blessing, moved MARC from Yahoo Groups to Groups.io. So far it works great though it has been a learning curve but appears to be a great match for our club. The future appears to be great for our club MARC. — 73, DAN W5FRT

Related e-mail addresses:

Post: McKinneyARC@groups.io

Subscribe: McKinneyARC+subscribe@groups.io

Unsubscribe: McKinneyARC+unsubscribe@groups.io

Group Owner: McKinneyARC+owner@groups.io

Help: McKinneyARC+help@groups.io

Member-submitted articles are the lifeblood of an interesting newsletter. Have a HAM story to tell or a HAM tip? Write it up and let us all enjoy it!

From the Editor



I hope you enjoy this issue of On Your MARC. As always, we need your articles and input to create a great newsletter.

We're bringing back the "For Sale" section from times past. If you have ham-related gear to buy, sell, trade or give away, you can post it here at no charge to you. Just send a brief item description and your contact information to newsletter@mckinneymarc.org to get it posted in the next issue. Include the price if you wish. BTW—the editor reserves the right to edit your submission to fit the space available in the newsletter.

Have you submitted your "Meet the Members" article yet? To make it easier for you, below is a questionnaire that you can simply fill out and submit. I'll convert your information into an article and include it in the next issue of "On Your MARC".

Keep reading!! And keep submitting articles and ideas!!

Bob, K5CRX, Editor

Help for "Meet the Members" Articles

To help you submit your "Meet the Members" article, just fill in the following questionnaire and send it to newsletter@mckinneymarc.org.

Name:

Call sign:

Operator Class:

Where did you grow up?

When were you first licensed as a HAM?

Where did you take your exam(s)?

What interested you most about HAM radio?

What is your favorite part of HAM radio (local communications, "rag-chewing", DX chasing, emergency communications, special events, public service, etc.)?

What types of HAM operating do you like (local thru the repeater, digital operations, HF rag-chewing, HF contesting, award qualification, etc.)?

What are your goals for your future in HAM radio?

2018 Operating Expense Appropriation

Projected Expenses:

Newsletter	\$ 400.00	Newsletter supplies, Postage
Equipment Repair	\$ 1,000.00	Repairs to CSU and other equipment
Contributions, memorials, etc.	\$ 200.00	Deaths and other donations
Hospitality	\$ 180.00	Dinner for Speaker at MARC meetings
Insurance	\$ 330.00	Liability Insurance
Bank Fees	\$ 50.00	Monthly fees, credit card, PayPal
Vehicle Registration & Inspection	\$ 80.00	CSU
Total Expenses	\$ 2,240.00	

Submitted by Dave, K5EEN, Treasurer

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some newer members to serve on the committee. Bill N5YZ reported that Dave KS5SK has volunteered to run a CW / digital station during the event. Dave K5EEN has been asked to be safety officer.

REPEATERS: Bob K5CRX gave an update regarding progress on the MOU with the City of McKinney and letters have been requested from organizations in McKinney who benefit from the services that MARC provides to be included in the exhibits for the MOU. He will be submitting our first-draft proposal to the city very soon.

Ron WW2CBI has completed a list of suggestions and ideas for repeater or radio additions to present to the membership.

Discussion was held regarding a Yaesu Fusion repeater that has been offered for sale to the Club. If the Club moves in the direction of adding some digital capabilities we could alternate operation at the Melissa site. Weekends were suggested as providing a close watch and quick access during initial operation.

Ron WW2CBI also discussed assembling a spare GE based repeater for the Club's 146.740 frequency as an emergency back-up. Ron WW2CBI advised that we should arrange to collect the digi-peater equipment from the New Hope site.

Discussion was held regarding possible alternative repeater locations if we are unable to

keep our repeaters with the city of McKinney, possibly in the Town of Fairview. Andy W5KZJ advised that he has not had a recent update from Brian WA5M regarding looking for alternative repeater sites.

It was also discussed that we will need another MOU with the City of McKinney for the repeater at Custer and Virginia.

HEARD MUSEUM REMOTE CONTROL STATION: A discussion was held about the Heard Museum remote control station W5OWL. Dave KS5SK has volunteered to meet with Stephen at the Heard to see if we can get access to the room. Bill N5YZ will discuss this with Dave.

PASSWORDS: Updated list of passwords and log-ins was presented by Bob K5CRX to Lisa KG5OBK for the secretary to keep. Expiration dates for web hosting was discussed.

CW CLASS: Bill N5YZ discussed that a CW class is going to be offered and that Lee Young K5LY has volunteered to teach the class. Holding beginner and advanced classes was discussed as well as other club members who have volunteered to help teach this class.

ADJOURNMENT: Andy W5KZJ made a motion to adjourn and it was seconded by Robert NS5P. Motion carried and meeting adjourned at 9:33 AM.

Lisa Barnes, KG5OBK, Secretary

DALLAS REGIONAL SCIENCE AND ENGINEERING FAIR- SATURDAY
2/24/2018 8:00 AM to Noon – NEED
JUDGES

MARC members will participate in the Dallas Regional Science and Engineering Fair as judges for the fifth consecutive year to select recipients for MARC's annual awards to fair participants. Club judges will select a junior and a senior level participant. The selection is based on projects that are of value to HAM radio or the fields of electronics or communications.

MARC provides an engraved plaque, a certificate for a license exam, and a certificate of accomplishment. MARC also sponsors the selected students for their awards banquet.

Judging this event is uniquely rewarding as it demonstrates the depth of knowledge, education, and dedication that many students possess. These outstanding students are rarely in the news. This event lets us, as club members, see the younger generation at its best.

The event is held at Fair Park in east Dallas. A continental breakfast is available to judges starting at about 8:00 AM. Judging occurs between 9:00 AM and Noon. A sandwich buffet lunch is then provided to the judges. The judging team usually departs the Allen area by carpool at about 7:00 AM and returns around 2:00 PM. If you are on a tight schedule, however, you may meet us there at 8:30 a.m. and probably be done by 11 a.m.

If you would like to volunteer for this opportunity, please e-mail Bill, N5YZ, at president@mckinneyarc.org as soon as possible. He will coordinate transportation and reserve your spot on the MARC judging team.

Bob— K5CRX

Buy, Sell, Trade, Give

Have items to buy, sell, trade, or give away in the radio/computer world? MARC members may post these items here by e-mailing a brief description of their items and contact information to newsletter@mckinneyarc.org.

MARC also hosts a monthly Sidewalk Sale where many more great deals can be found! The Sidewalk Sale is held on the last Weekend of each month in the Southwest parking lot of Collin College's McKinney Campus located at the corner of US 380 (University) and Community.

Please be sure to post when your items have been sold!

Are you ready to party?

Get on you party mood and join us February 13 at Spring Creek Barbeque in McKinney for the McKinney Amateur Radio Club's 50th Anniversary Celebration! We're celebrating 50 years of affiliation with the American Radio Relay League (ARRL)! This special meeting will include a music prelude presented by MARC member Samuel - N5TIP, speakers telling about past trials and glories of the club, a Photo OP, anniversary cake and refreshments, and great door prizes for MARC members.

There will be plenty of time to visit with club members – both new and old – and talk about where the club has been and where it's going. There will be two Yaesu FT-95 dual-band handheld radios awarded as door prizes along with other surprises!

Your part? Be there! Also, if you have pictures of club activities and events, please forward them to Emily, KF5VFF, at

emilyjdietz@gmail.com. She will present a "picture wall" of select pictures. Likewise, if you have a special memory or story about the club, please send an e-mail to Bob, K5CRX, at newsletter@mckinneyarc.org and let him know the subject so we can get you on the program.

Bob, K5CRX

**REMEMBER THAT YOU CAN HELP OTHERS IN AN EMERGENCY.
TO PARTICIPATE IN THE COLLIN COUNTY AMATEUR RADIO EMERGENCY SERVICE
PLEASE VISIT THEIR WEB-SITE: [HTTP://WWW.COLLINARES.NET](http://www.collinares.net)**

MARC operates open repeaters on 146.740 and 443.200 MHz

EchoLink is provided on 146.740 by connecting through W5MRC-R. Regular/frequent users of the repeater are encouraged to join the club and be an active part of the local Ham community, as well as helping to support the repeaters continued operation.

The MARC information net is held every Sunday at 8:00PM CT, on 146.740 MHz.

Collin County ARES holds a training net on the third Sunday of each month at 9:00 PM CT on 146.740 MHz.

The MARC Ladies net is held every Monday at 8:00PM CT, on 146.740 MHz.

MARC E-Mail Reflector—groups.io

MARC maintains a chat group on groups.io to facilitate club communication between meetings and newsletters. Sign up for this service by visiting <https://groups.io/g/McKinneyARC>. Your application will be approved quickly.

The purposes of the MARC email reflector are: 1) Facilitate the timely distribution of MARC information and news to club members. 2) Allow for the sharing of amateur radio related topics among club members. 3) Provide a forum for the discussion of amateur related information among club members. 4) Act as a marketplace for the buying and selling of amateur radio and computer equipment and services. Club members should utilize good judgment with regard to topics or content that are posted on the MARC reflector. To that end it is recommended that political and religious topics or content be avoided unless directly related to amateur radio. In addition, personal attacks in any form will not be tolerated.

VE SESSIONS ARRL EXAMS \$15

McKinney testing is held at the Heard Natural Museum, 1 Nature Place, in McKinney, on the first Sunday of each month except holiday weekends. Starting time is 2:30pm and ends no later than 4:45pm (they close at 5:00pm). For more information check our website at www.mckinneyve.org or contact Stephen Reinen, N8BP at (214) 937-9982 or by email at info@mckinneyve.org.

Richardson testing is held on the third Thursday of each month at St. Barnabas Church, located at 1220 West Beltline Rd. Sessions start at 7 PM. Walk-Ins are ok. For more information, contact Bill Owens, AD5EW at (972) 380-2859 or wtowens3@sbcglobal.net.

Sherman testing is held on the first Thursday of each EVEN--numbered month (Feb, Apr, Jun, etc.) at the Grayson County College, Center for Workplace Learning Seminar Room C, 6101 Grayson Drive, Denison TX 75020 at 7:00pm. For more information contact: Moe Knight—NT7C nt7c@arrl.net or at (903) 564-7115 Call first!

Garland testing is held on the fourth Thursday of each month and begins at 7:00pm. Location is : Freeman Heights Baptist Church, 1120 Garland Ave., Garland, TX 75040. Janet Crenshaw, WB9ZPH, at (972) 302-9992 for details or wb9zph@gmail.com.

Plano testing is on the third Monday of each month at 6:00pm-. Testing sessions are located at 3160 East Spring Creek Parkway, Plano, TX. If you have questions send e-mail to ae5sg@arrl.net.

Carrollton testing sessions are sponsored by the Metrocrest ARC. Testing is held at the Carrollton Public Library, 4420 Josey Lane, 75010. Please contact Allan Batteiger at (972) 672-0278.

Sachse, Wylie, Murphy testing sessions are sponsored by the Sachse ARA. Testing is held at 9:00am the second Saturday of the month at the East Fork Masonic Lodge, 508 Parker Rd., Wylie, TX, 75098. For more information call (214) 500-3472.

St. Paul testing sessions are sponsored by the PARK. Testing is held at 9:00am the third Saturday of the month at the St. Paul City Hall, 2505 Butcher's Block, St. Paul, TX, 75098. Please contact Kerry A. Weeks at (972) 442-1125.

Other testing session can be located online at: www.dfwlist.org.

Local Repeaters—See <http://www.mckinneyarc.org> for additional repeaters.

Voice

Dallas ARC (W5FC) 146.880 PL 110.9
Denton (W5NGU) 146.920 PL 110.9
Denton (W5NGU) 444.050 PL 110.9
Fannin Cty (K5FRC) 145.470 PL 88.5
Fannin Cty (K5FRC) 443.750 PL 100.0
Garland (K5QHD) 146.660 PL 110.9
Garland (K5QHD) 442.700 PL 110.9
Grayson Cty (K5GCC) 147.000 PL 100.0
Grayson Cty (K5GCC) 147.280 PL 107.2
Grayson Cty (K5GCC) 444.750 PL 100.0
McKny ARC (W5MRC) 146.740 PL 110.9
Melissa (W5MRC) 443.200 PL 100.0
NTXRA 145.350 PL 100.0
NTXRA IRLP 442.575 PL 127.3
Plano (K5PRK) 147.180 PL 107.2
Plano (K5PRK) 444.250 PL 79.7

Richardson (K5RWK) 147.120 PL 110.9
Rockwell (W5ROK) 441.875 PL 131.8
Rockwall (KK5PP) 441.525 PL 141.3
Rosston (WD5U) 145.490 PL 85.4
Van Alstyne (W5VAL) 443.800 PL 103.5
Wylie (W5GM) 442.100 PL 110.9
Digital Modes
APRS
National Freq 144.39 Simplex
National Alt Freq 144.34 Simplex
Winlink
SW Collin Co 145.03 K5BAD-10
SW Collin Co 145.03 W5RAE-10
NE Collin Co 145.07 AE5IT-10
NW Collin Co 145.07 KD5CTQ-10
SE Collin Co 145.09 N5BYL-10
SE Collin Co 145.09 KI5FU-10

SE Collin Co 145.09 K5PRK-10
SE Collin Co 145.09 K5EEN-10
(Plano)* D-Star
Voice 441.575 (+5)
Voice 1295.00 (-20)
Data 1255.00
*D-Star access is available through the
WWW.K5PRK.Net website.
W5NGU (Denton) D-Star
Voice 147.450 (-1)
Voice 442.925 (+5)
Voice 1293.400 (-20)
Data 1253.600
K5TIT (Dallas) D-Star
Voice 147.360 (+0.6)
Voice 442.000 (+5)
Voice 1293.000 (-20)