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# SIGNALS

Rockwell  
Collins **Amateur Radio Club**

Monthly Newsletter of the

Volume 31 Issue 10

Web Site <http://www.w5rok.us>

July 2010

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## RCARC Membership Meeting

Thursday, 22 July 2010  
1700 Social      1730 Meeting  
Methodist Richardson Medical Center  
At Bush/Renner/Shiloh Intersection  
Second Floor Conference Room 200

**Subject: Contributions of Ham Radio to the Development of the Quartz Crystal Industry, by Don Bowen K5LHO**

- Nearly six years at Collins Radio in Dallas - 1957-62.
- 20 years with the Johnson Controls factory in Dallas, the last 10 as director of Engineering and Product Development. Later worked for a while at E-Systems. And still later spent 10 years with DoD, stationed at TI.
- Now retired, sort of...work part time at the University of Texas at Dallas in a computer lab.

Don thanks RCARC for their help with the Richardson Siren test. It has made his Ham Radio coordinator job much easier.

**Club Meeting Talk-In.** Each month, on the night of the membership meeting we have a Talk-In on the club repeater. The Talk-In this month is 1630 to 1700 hours, prior to the meeting.

**Solar Panel Experience.** The club is asking whether anyone has experience with solar panels. If so, please contact any of the club officers.

**Field Day Report.** July 26th was a FIELD DAY to remember for me. You see, it was my first Field Day, for the record. With the last minute Field Day location change, one would think that participation would be hampered. However, it was far from diminished, with a good turn out, loads of fun and a ton of contacts. This year, there was something for everyone; from the social radio operator, the beginner, the expert, and especially the contest operator. (Cont. on page 3)

## Local Club News

**Meeting Notice.** Diamonds may be a girl's best friend, but there is another kind of rock that holds top honors among Ham radio operators – the quartz crystal. Where would we be without the rock, which makes tuned circuits so stable? At this month's meeting, Don Bowen, K5LHO, will be presenting some of the contributions Ham Radio has made to the development of the quartz crystal industry prior to World War II and into the present. Come see how it all began, and how it is still a vital component today. This month's meeting is sure to be interesting and informative.

Don provided his background (humbly self-described as "rather undistinguished"):

- First licensed as a ham in 1957 and still retain my original call, K5LHO. Member of RWK since 1973 . RACES since 1982. NCS for Richardson RACES, and coordinator for ham radio support for the Richardson siren test.
- Attended what is now called Arkansas Tech University (Russellville AR), University of Texas at Arlington (before it was called UTA), and graduated from the SMU School of Engineering.
- Military service: US Army Signal Corps - long enough to be considered a veteran of both the Korean Conflict and the Cold War. Honorable discharge after two years of active duty and the obligatory six years of inactive reserves. Most of my active duty was TDY in Tappahannock, VA, working in a microwave MOS. Final rank, E-5.



Paul and Jodi Veenstra, KCOTEG, working Ontario, Canada on 15meters.

## RCARC OFFICERS

<b>PRESIDENT</b> Mike Schmit WA9WCC  wa9wcc@arrl.net	<b>VICE-PRESIDENT</b> Bob Kirby K3NT 319.360.0500 k3nt@arrl.net
<b>SECRETARY</b> Open	<b>TREASURER</b> Bob Diepenbrock KC4UAI 972.705.1461 Kc4uai@gmail.com
<b>ACTIVITIES CHAIRMAN</b> Open	<b>WEBSITE MANAGER</b> Wayne Hughes WA0TGH 972.705.1406 461-258 wa0tgh@arrl.net
<b>STATION TRUSTEE</b> Steve Phillips K6JT 972.517.3332 k6jt@arrl.net	<b>NEWSLETTER EDITOR</b> Jim Skinner WB0UNI 214.535.5264 wb0uni@arrl.net
<b>CLUB STATION</b> 972.705.1349	<b>W5ROK</b> 461-290

## VE SESSIONS

**Dallas** tests are held 4<sup>th</sup> Sat of each month at 10:00. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD (972) 917-6362

**Irving** tests are held 3<sup>rd</sup> Sat. of each month at 09:00. 5<sup>th</sup> 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 14:30, ending no later than 16:45. **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 Bill Reynolds, K8DNE, 972-475-3854.

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

**Greenville** testing is on the Saturday after 3<sup>rd</sup> Thursday, 1000 hrs at site TBA, contact N5KA, 903.364.5306. Sponsor is Sabine Valley ARA. Repeater 146.780(-) with 118.8 tone.

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## President's Message

No President's Message this month. Watch for a new message in August.



Mike Schmit, WA9WCC  
[wa9wcc@arrl.net](mailto:wa9wcc@arrl.net)

## Vice-President's Message

**Welcome New Members** – Please join me in extending a warm welcome to the following new RCARC members: **Sydney D. Terry, KF5HHA; Armando M Rodriguez, KM5ROD; Andrew T. Rodriguez, (Armando's son) and Christopher L Havenridge Sr. KF5GUN.**

**Randy Dunning, KC5QHH June Program** — When RCARC was left with no program for the June meeting, Randy stepped in with less than 24 hours notice and presented an outstanding program and demonstration of HSMM meshnet networking as it applies to emergency communications. Randy demonstrated the gear required and then proceeded to show us how this was going to be used at the Garland ARC Emergency training exercise (Field Day). Concluding his talk / demonstration, Randy surprised us all by packing this networking gear into a backpack and small duffel bag (Go Kit) as he quickly left to attend the Garland ARC pre- field day LAN training exercise. Thanks Randy!

**FY2010 RCARC Annual Report & FY2011 Funding Request** — Please advise the current officers with your input so we can get an early start on this report – Thanks.

**FY2011 Officer Elections** — Please advise the current officers if you are interested in running for a RCARC FY2011 office. Elections will take place as part of the September, 2010 business meeting. Our president, Mike, WA9WCC, ([wa9wcc@arrl.net](mailto:wa9wcc@arrl.net)) will be appointing a nomination committee at the July meeting. Please contact Mike if you wish to head up or can serve on the RCARC FY2011 Election Committee.

**2010 Bring Your Children to Work Day** — The annual Bring Your Child to Work Day will be held Friday, July 23, 2010 in Bldg 461 Cafeteria. The entertainment this year will be a magic program by James Wand, a professional magician. RCARC will have a station demonstration along with special give-a-ways for each child. (A special thank you to ICOM as RCARC has already received their generous donations of comic books and additional great stuff for the kids). To make this work, RCARC needs to be manned and we need member stations who can communicate to the kids. Can you help? Contact Ross Terry, K5SRT ([k5srt@arrl.net](mailto:k5srt@arrl.net))

A registration form is mandatory for all children who attend. RCARC members planning on bringing your children/grandchildren to this event may pick up a registration form in Bldg 461 lobby or on-line through the Dallas Employees TeamSpace where you can print the form.

**Roster Changes** — Looking for some radio help? A reminder that the RCARC Membership Roster is available in the 'for members only' (FMO) section of our website. <http://www.w5rok.us> Joe, N5UIC, (n5uic@arrl.net) has requested that members note any changes or updates in their information.

**RCARC Elecraft K3 Repair** — At Hamcom, Dennis, WA8ZBT, and I spoke to Eric, WA6HHQ about a cracked RF gain control knob. Eric explained that a lot of research went into selecting a top quality vendor for the K3 controls. Unfortunately they did receive a bad batch of RF knobs and hoped they had totally purged the parts area of these. He apologized that a few must have slipped through and he would send us a K3 knob set (2) with the new revision. E980091 & E980092 have been received and installed on the RCARC K3 transceiver. Again, we are impressed with the service from Elecraft.

**RCARC Repeater Net** — The officers received a member request to revive a member radio net on the clubs repeater (441.875). RCARC is aware that there are many folks that do monitor the clubs repeater via scanners or UHF amateur radio and perhaps the time is right for a RCARC radio information / training net. Interested? Contact Michael Ketchum, K5MDK if you would participate, act as a net control, have a subject for this net, or believe our repeater should be kept quiet, etc.

**Collins Address Request** — The officers received a request from Bob Harmon Collins Employee (Jan 1961- Oct 1969). "In 1957, Collins Radio was located on Industrial Blvd. in Dallas (before they moved to Richardson). Does anyone remember the address of that location? Any help would be appreciated. Thanks." If you can help Mr. Harmon, please contact him here: [bob.harmon@cox.net](mailto:bob.harmon@cox.net)

**Rockwell Collins-equipped Cessna CJ3 named among "Best of the Best"** — Robb Report – a luxury lifestyle magazine – recently named Cessna's Citation CJ3 among the "best of the best" business aircraft. Rockwell Collins provides several of the jet's avionics, including our Pro Line 21 integrated display system and FMS-3000 Flight Management System (FMS) with Wide Area Augmentation System-enabled GPS (GPS-4000S). Other Rockwell Collins standard equipment includes autopilot with vertical navigation, FMS performance database, avionics diagnostics and our TCAS-4000 (TCAS II) traffic monitoring system. For more information about the CJ3, read the Cessna press release here. <http://www.cessna.com/NewReleases/FeaturedNews/NewReleaseNumber-1192322668716.html>

Till next month, 73 from Bob, K3NT  
[k3nt@arrl.net](mailto:k3nt@arrl.net)  
<http://w5rok.us>

## Secretary's Report

Mike Schmit, WA9WCC, opened the meeting at 1735 on 24 June 2010, in the Methodist Richardson Medical Center Conference Room with the Pledge of Allegiance. Present at the meeting were:

Ira Blum	K5IRA	Kathy Cobb	
Randall Dunning	KC5QHH	Amy Ketchum	
Michael Ketchum	K5MDK	Ruthie Ketchum	
Bob Kirby	K3NT	John McFadden	K5TIP
Steve Phillips	K6JT	Steve Phillips, Sr.	
Michael Schmit	WA9WCC	Jim Skinner	WB0UNI
Ross Terry	K5SRT	Joseph Wolf	N5UIC

The club went immediately to the program, prior to the start of the business meeting, presented by Randall Dunning KC5QHH, since he had another obligation following his presentation. See the Vice President's Message for the details.

### 1. Officer Reports

- President's Report:** Mike Schmit, WA9WCC, starting the meeting, thanked Randy for his presentation and moved directly to the business issues.
- Vice-President's Report:** There was no Vice-President's report.
- Secretary's Report:** The Secretary's report is in the newsletter.
- Treasurers Report:** There was no Treasurers report.
- Station Trustee's Report:** The repeater is working well.
- Activities Chairman Report:** There was no Activities Chairman report.

### 2. Old Business

- RFI Problem:** The noise problem is still being worked with company maintenance. A maintenance work order to bypass has been submitted and approved.
- Field Day:** Mike Ketchum, K5MDK, coordinated the final planning for Field Day:
  - A new coax solution is needed for the antenna on penthouse. The N connector is not functional—a new coax run may be required.
  - Logging software—need to dry run to be sure all is working well.
  - Use of the portable generator is approved and a plan for fueling is in place.
  - Security has been provided with a list of participants and access to the east door for generator use has been approved.
  - Maintenance has agreed to provide information on the location of the breaker that controls power to the shack.
  - Mike Ketchum reviewed the need for an operator sign-up list.
  - Kathy Cobb and Ruthie Ketchum reviewed the list of dinner options and the signup list for side dishes. An agreement was reached on the menu. Non-affiliated guests will be charged \$5.

### 3. New Business

- Elecraft K3 Transceiver:** The club voted to buy a P3 Padapter display and interface for the radio.
- Weather Station:** The club authorized Dennis Cobb, WA8ZBT, to research the purchase of an anemometer.
- Richardson Emergency Siren Testing:** Ross Terry, K5SRT, noted that there was an error in the last newsletter—there were only two siren problems
- RCARC Membership Dues:** The club voted to increase dues for regular, contractor and associate members to \$18 per year. There will be a one-time opportunity to renew at the current rate of \$12 for up to three years if done so before 1 October 2010. Dues for all other members will remain at the current rate.
- Solar Panels:** The question was asked as to whether anyone in the club has experience with solar panels.

The business deliberations terminated at approximately 1900, and thus adjourned the June meeting.

**Field Day Report.** (Cont. from page 1) This year, Field Day was held at the W5ROK Radio Club station as we setup for an exchange of “3E NTX W5ROK”. “3E” stands for three stations operating under Class E operation. Class E represents radio stations running under 100% Emergency Power using a gasoline power generator. “NTX” is our station location, which is in the North Texas (NTX) section, as designated by the ARRL.

used for CW. Next, we had the Yaesu FT-2000 rig setup at its usual location mainly used for SSB with some CW now and then. Finally, the Kenwood TS-2000 was operating SSB on a continual basis, focusing on 10m, 6m, and 40m.

For logging, we had three PCs running N1MM software, all networked with each other with the Yaesu FT-2000 station being the “master” in the logging network. Originally, three donated PCs were wiped clean, new Windows XP Operating System installed along with a fresh copy of N1MM configured. However, only one of the three new PCs was used for Field Day operations, and that was assigned to the Elecraft K3, located outside of the shack.



Bob Kirby, K3NT, setting up the Elecraft K3.



Bob Diepenbrock, KC4UAI, working through a pile-up on W5ROK.

Emergency Power was supplied by a gasoline power generator provided by the Rockwell Collins facilities team. We wound up refilling the generator about three times throughout the 24 hours of operation. A UPS (Uninterruptible Power Supply) was installed in order to condition the electrical power as well as provide a battery backup, if the generator should fail at any time. This system worked well, once the UPS batteries were fully charged. However, for the first few hours, there were times when the UPS failed, causing complete brief power outage, when all transmitters were keyed at the same time. This only happened about three times, but went away after the batteries of the UPS were fully charged.

Antenna setup was completed through preliminary installation of a Cushcraft R4 vertical HF antenna as well as an 80 meter loop antenna project. Additionally, an 80 meter dipole was erected for use with the Elecraft K3 rig. Joe Wolf – N5UIC, created a 2 page poster depicting the antenna system that would be used for Field Day, including pictures of each antenna and switch position and filter options. The antenna switching area was laid out for easy band pass filter connections, so that the radios do not interfere with each other on nearby bands.



Dennis Cobb, WA8ZBT, and Bob Kirby, K3NT operating CW



Bob Kirby, K3NT setting up with Mike Schmit, WA9WCC.

The room and desk outside of the shack was annexed for the Elecraft K3 and a logging computer. This station was mainly

One thing that might have helped out would be nylon cable ties with labels to indicate the coaxial leads a bit more clearly. Normally, the W5ROK station utilized coax switches for antenna connections. However, during Field Day, because the use of band pass filters was necessary, connections between antenna and radio were mainly utilized through hard connections utilizing the band pass filter. Although some cables were labeled, for the normal switched operation, additional labeling for Field Day could have made things a bit less confusing and safer for our radios.

Education is an important facet of Field Day. There were many learning opportunities to be taken advantage of. First, there was an 80 meter loop antenna that Dennis Cobb – WA8ZBT setup. The team was instructed on how to design, calculate length, and install the large antenna and then set off to do the work. An antenna tuner was involved in this installation and instruction was given on it as well. Additionally, an 80 meter dipole was setup as part of the installation project. Several Field Day participants sweat it out in the heat to learn and to help setup.

Field day was also for the socially minded; as we had many folks enjoy a pleasant meal. The food served was roasted chicken with all the sides, including some wonderful desserts brought in by some of the ladies. Many thanks go to Kathy Cobb and Amy Ketchum as the dynamic duo who organized the meal.



Michael Ketchum, K5MDK and Ross Terry, K5SRT, making Qs.

At no time did W5ROK shut down for Field Day. It is estimated that all three radios were in use for about 80% of Field Day. And the log files show it with 1352 logged QSOs.



Sydney Terry, K5SDT, all good to go, as she pulled in a crowd of callers.

Here are the results from Field Day 2010 from 3E NTX W5ROK:

**CONTACT POINT SUMMARY:**

Band	Mode	QSOs	Pts
80M	CW	18	36
80M	LSB	20	20
40M	CW	140	280
40M	LSB	162	162
20M	CW	322	644
20M	USB	191	191
15M	CW	182	364
15M	USB	52	52
10M	CW	23	46
10M	USB	170	170
6M	USB	72	72
<b>Total</b>	<b>Both</b>	<b>1352</b>	<b>2037</b>

**Bonus Points—** Power Multiplier: 2X

Description	Points
100% Emergency power	300
NTS message to ARRL SM/SEC	100
W1AW Field Day Message	100
Formal NTS messages handled =10	100
Youth participation	
Youth operators=2	
Youth participants=2	40
Submitted via the Web	50
Educational activity	100
<b>Total Bonus Points</b>	<b>790</b>

Score Summary	CW	Digital	Phone	Total
<b>Total QSOs</b>	<b>685</b>	<b>0</b>	<b>667</b>	
<b>Total Points</b>	<b>1370</b>	<b>0</b>	<b>667</b>	<b>2037</b>

**Claimed Score = 4,074**

The following is a list of operators who attended and/or operated at this year's Field Day 2010:

Armando Rodriquez <sup>1</sup>	KM5ROD
Bob Diepenbrock <sup>23</sup>	KC4UAI
Bob Kirby <sup>23</sup>	K3NT
Dennis Cobb <sup>23</sup>	WA8ZBT
Jodi Veenstra	
John McFadden	K5TIP
Lauren Terry	
Michael Ketchum <sup>23</sup>	K5MDK
Mike Schmit <sup>2</sup>	WA9WCC
Paul Veenstra	KC0TEG
Ross Terry	K5SRT
Ruthie Ketchum	
Sydney Terry <sup>1</sup>	KF5FFA (Now K5SDT)
Steve Phillips	K6JT
Tim Sharp	KC5KBE

<sup>1</sup> New Club Members  
<sup>2</sup> Helped with Setup  
<sup>3</sup> Helped with Teardown

Overall, everyone involved in operations for this year's Field Day felt it was a good success. Everyone who wanted to operate had a chance to operate and everyone who wanted to eat, had too

much. All of the equipment worked well and no catastrophes resulted. Instead, we had a lot of fun and many contacts this year. I learned many things at this year's Field Day. These included some antenna theory, band pass filtering, working with Steve – K6JT on how to format a piece of traffic for the NTS, N1MM Logging software configuration, and, most importantly, how to operate a station for emergency communications, to get contacts, pass my emergency messages quickly, listen carefully, properly query for missed information as well as to reestablish information when the signals were not favorable for passing information. There were many other lessons learned for me. I would need to participate in many more Field Day events before I can become proficient. But that is one of the reasons why we have Field Day...to expand, to practice, to analyze our capabilities, and to grow into better Amateur Radio operators, who are ready to assist in emergency communications at a moment's notice. Thanks to everyone who participated. For those of you who missed out, I'm sorry to say – it was a wonderful experience. Hope to see everyone next year! *By Michael Ketchum, K5MDK*

**Members helping members is a big part of who we are** Amateur Radio Operators are known for their helping hand. Some members of the RCARC visited one of their members, John McFadden – K5TIP, in order to help install a new six band vertical HF antenna in preparations for Field Day. The Hustler 6VTV was already partially assembled into sections. We were able to erect the 6BTV antenna; however we did not have enough time to completely tune it out.

In addition to the antenna, general station maintenance was completed, which included coaxial inspection, connection repairs to a couple of PL-259 connectors that had loose grounds, and other cable inspections. It is generally a good idea to have regular inspections of your antennas, cable and radio gear as connectors get worn over time. However, inspection of the connectors and cables can save much wear and tear on your system. In our case, the connectors had to be re-soldered or replaced in order to insure the ground was well connected.

Other work completed included a new ground connection that was made to a ground rod in the back yard. The new ground connection should prove handy in reducing noise and also potential electrical shock and ESD considerations. Thanks to Ross Terry – K5SRT, Michael Ketchum – K5MDK and Bob Kirby – K3NT, for helping John out with these projects. Let's keep up the spirit of cooperation in helping each other out. Antenna installation should never be attempted alone! Always have a spotter and utilize the right safety equipment.

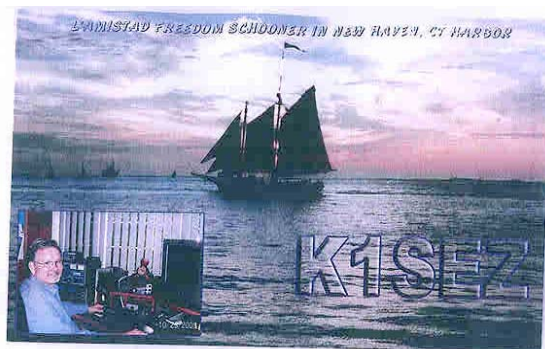
**Air Handler RFI Update** Many of you may be wondering how we were able to pull off Field Day at the club station with all the RFI coming from that Air Handler? Well, thanks to the facilities team, the Air Handler Controller unit was bypassed and shut down for the near future. A big "Thank You" goes to Lynn Anderson who was able to make quick electrical work of bypassing the controller. With the controller turned off, there is no more RFI to contend with. "It's like we got a whole new radio station!" said Ross Terry, K5SRT, as he commented on how clear the HF bands have been of late.

Please don't take our word for it. Come see for yourself how clear it is by planning a visit to the W5ROK club shack and working the station for a while. You will find no RFI here! *(by Michael Ketchum, K5MDK)*

**New Employee Accelerated Acclimation** Albert "Jackson" Anderson is one of the Engineering Managers at Rockwell Collins. One of his personal goals is to provide the opportunity for new employees, especially new Engineers, to learn about Rockwell Collins far beyond what any computer based training course can offer. The meetings run for one hour every day for an entire month and alternate between lunch hour and after work hours. Some of the subject matter covered includes facility tours, and "meet and greet" meetings with all levels of managers, all the way up to Al Caslavka, the vice president and general manager of C3I Solutions for Rockwell Collins Richardson Facility. Additionally, information about each of the products that the Richardson facility is involved in is also presented at these sessions.

One of the sessions that Jackson focuses on is the local clubs and organizations. That includes the Rockwell Collins Amateur Radio Club! In planning for this session, each club gets a chance to make a pitch to the new hires. We are now looking for volunteers who would be willing to help out in an all-hands effort to show our RCARC spirit and participate in this presentation. A committee is forming now, so if you can help in any way, including just answering calls on the radio for a demonstration, please consider contacting Ross Terry, K5SRT at [K5SRT@arrl.net](mailto:K5SRT@arrl.net) Thank you.

**Recent W5ROK QSLs:**



Meriden Amateur Radio Club M.A.R.C  
**K1SEZ** DXCC WAS  
 Grid Locator FN31ok  
 New Haven County  
 Email to [k1sez@arrl.net](mailto:k1sez@arrl.net) 11892

CONFIRMING QSO WITH	DAY	DATE MO	YR
W5ROK	13	5	10

UTC	MHz	2-way	RS	QSL
14:15	14	PSK	529	TNX

Paul J Ciemiak  
 11 Surrey Dr  
 Wallingford CT 06492  
 USA

**73, Paul**  
 CW... the first way!

*Roe 5/29/10*

*Ross, good luck & best wishes!*

*Sony*

Thanks to Ross Terry, K5SRT, for sharing these recent arrivals

**Events and Public Service Ops**  
**10-11 July 2010: IARU HF World Championships.** The objective of this event is to contact as many other amateurs, especially IARU member society HQ stations, around the world as possible using the 160, 80, 40, 20, 15 and 10 meter bands. The dates are the second full weekend of July, beginning

1200 UTC Saturday and ending 1200 UTC Sunday (July 10-11, 2010). Both Single and Multi operator stations may operate the entire 24-hour period. More info at <http://www.arrrl.org/iaru-hf-championship>.

#### 4 August 2010: City of Richardson Siren Test

– The first Wednesday of each month at 11:55am. Contact Don Bowen – K5LHO at [don\\_bowen@sbcglobal.net](mailto:don_bowen@sbcglobal.net) if you can help with this community service.

Several members of the RCARC have volunteered to help with the City of Richardson Outdoors Siren tests each month. This last Wednesday, July 7th, we had Dennis Cobb – WA8ZBT, Michael Ketchum – K5MDK, John McFadden – K5TIP, Ross Terry – K5SRT, and Jim Skinner – WBOUNI participate with the tests.

#### 7-8 August 2010: ARRL UHF Contest

– The object of this event is to work as many amateur stations in as many 2 degrees by 1 degrees grid squares as possible using authorized amateur frequencies above 222 MHz and all authorized modes of emission. Date and Contest Period: First full weekend of August. Begins 1800 UTC Saturday, ends 1800 UTC Sunday (August 7-8, 2010). Entrants may use as much of this time as they wish. More info at <http://www.arrrl.org/august-uhf>

#### 15 August 2010: ARRL Rookie Roundup

– For newly-licensed operators in North America (including territories and possessions) to experience competitive Amateur Radio by exchanging information with as many other stations as possible on the 80, 40, 20, 15, 10 and 6 meter bands. Experienced operators are strongly encouraged to participate and help new operators – either on the air or in person. Be sure to visit the Rookie Roundup Blog at [RookieRoundup.wordpress.com](http://RookieRoundup.wordpress.com) for tutorials, Frequently Asked Questions and the latest information.

#### 21 August 2010: Cook County Amateur Radio Club Hamfest

– Gainesville, TX <http://www.gainesvillehamfest.org> for more information.

#### 21-22 August 2010: ARRL 10GHz & Up

– North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. See the detailed rules for restrictions. Date and Contest Period: Third full weekend of August and September. The dates are August 21-22, 2010 and September 18-19, 2010. Operations may take place for 24 hours total on each contest weekend. Each weekend begins at 6:00 AM local Saturday though 12:00 midnight local Sunday. More info at <http://www.arrrl.org/10-ghz-up>

#### 4-5 September 2010: ARRL EME Contest

– The object of this event is to work as many amateur stations in as many different 2 degrees x 1 degree grid squares as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz. Date and Contest Period: Three full weekend 48-hour periods (0000 UTC on Saturday through 2359 UTC Sunday). The 2010 dates and designated bands for each weekend are: Sep 4-5: 2.3+ GHz - Oct 2-3: 50-1296 MHz - Oct 30-31: 50-1296 MHz More info at <http://www.arrrl.org/eme-contest>

#### 11-13 September 2010: ARRL September VHF QSO Party

– The object of this event is to work as many amateur stations in as many different 2 degrees x 1 degree grid squares as possible using authorized frequencies above 50 MHz. Foreign stations work W/VE amateurs only. Date and Contest Period: The second full weekend of September. Begins 1800 UTC Saturday and runs through 0259 UTC Monday (September 11-13, 2010). More info at <http://www.arrrl.org/september-vhf-qso-party>

## The Paris Texas Hamfest #6

It's a Ham Radio Event Like No Other!!!

Friday and Saturday October 8 and 9, 2010  
RED RIVER VALLEY FAIRGROUNDS 570 EAST CENTER ST. PARIS, TX

VE TESTING, COMMERCIAL VENDORS, INDOOR FLEA MARKET, LIVE MUSIC, ONE OF THE LARGEST OUTSIDE TAILGATE SECTIONS AROUND, FOOD, DRINKS, AND FUN

TALK IN FREQUENCY 146.760+ PL 203.5 \*ADMISSION \$2, \* FLEA MARKET TABLES \$15 EACH, \* TAILGATE \$10.00 FOR UNLIMITED SPACE \*ELECTRICITY IS AVAILABLE\*

RV CAMPING AVAILABLE, HOOK-UPS AVAILABLE \$20 per night , TENT CAMPING IS OK TOO!!

DEALER SETUP AT NOON ON FRIDAY AND 6:00 AM SAT MORNING. DOORS OPEN @ 5:00 PM FRIDAY NIGHT AND CLOSE AT 9:00 PM. DOORS OPEN AGAIN AT 8:00 AM SATURDAY MORNING

DOOR PRIZES !!

SPECIAL GUESTS.. AUSTIN AMATEUR RADIO SUPPLY, CLEAR SIGNAL PRODUCTS, AND MORE !!!

CHECK OUT THE WEBSITE FOR THE LATEST INFO [www.paristexasradio.com/hamfest](http://www.paristexasradio.com/hamfest)

OR CONTACT FOR MORE INFO

RICHARD KI5DX OR CHRISTY LENOIR N5RDJ

903-783-0968, 903-737-0773, 903-517-4483

# Rockwell-Collins

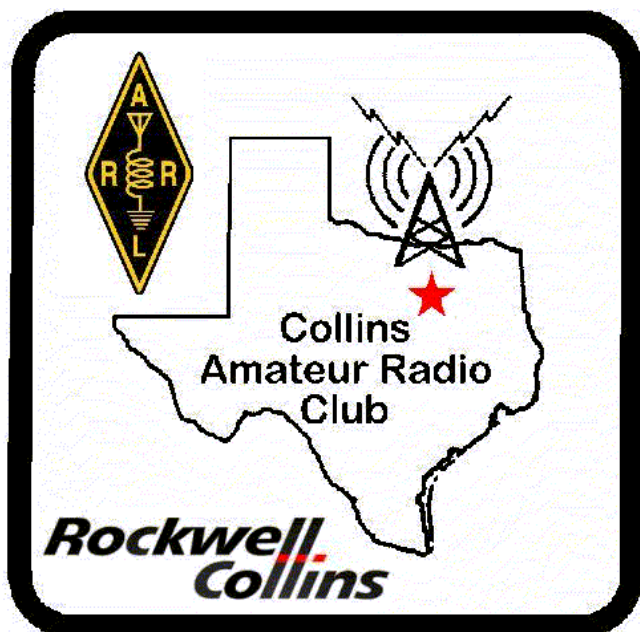
Amateur Radio Club

Mail Station 461-290

P.O. Box 833807

Richardson, TX 75083-3807

TO:



### CLUB STATIONS

(972) 705-1349

### W5ROK REPEATER

441.875 MHz +5 MHz Input

131.8 Hz PL - RX and TX

### W5ROK-1 PACKET BBS ROK Node

145.01 MHz

Thursday 22 July 2010

1730

Methodist Richardson Medical Ctr  
At Bush/Renner/Shiloh Intersection  
*Second Floor Conference Room 200*

**NEXT SIGNALS DEADLINE:**

**→→→ 15 August 2010 ←←←**