



COLLINS AMATEUR RADIO CLUB

Richardson, Texas

# SIGNALS

## MONTHLY NEWSLETTER

Volume 41 Issue 10

Web Site <http://www.n5cxx.us>

July 2020

### CARC Membership Meeting

Tuesday 28 July 2020 7:00 PM  
**NOTE THE TIME CHANGE**

**THE July 2020 MEETING WILL BE  
CONDUCTED BY VIDEO CONFERENCE!**

*Program: "Bent Dipoles" Web Site  
By Dick Reid, KK4OBI*

### JULY MEETING ANNOUNCEMENT

Our next meeting is on Tuesday, July 28th from 7 to approximately 8:30 p.m. The meeting will be conducted as a video conference using Zoom. Login instructions will be emailed to members the weekend prior to the meeting.

Our meeting will begin with a brief business meeting at 7 p.m. and will be followed by a presentation given by Dick Reid, KK4OBI, from Iowa City, IA. Dick will be describing the work he's done on modeling "Bent Dipoles" and the "Bent Dipoles" Web Site which is an antenna reference source for amateur radio operators.

If you are interested in what happens if you bend antennas to fit limited space, this is the place to go. Through antenna modeling the information in "Bent Dipoles" provides an objective source about the fundamental characteristics of an antenna configuration. This can be useful to answer "what if..." questions and to sort out confusing or conflicting information you may encounter.

Dick was born and raised in Collins Country where his father, uncle, and grandfather were all hams. (Uncle Harold was Vice President of the Collins Amateur Radio Division).

Inactive since 1964, Dick re-awakened to Amateur Radio after he retired from the commercial nuclear/biomedical world. Being an RV enthusiast and member of the Family Motor Coach Association (FMCA), he joined their national Amateur Radio Chapter and met Frank Krizan, KR1ZAN. In turn Frank introduced him to antenna modeling. In "Bent Dipoles" you see the results.

### CARC Community Service Activities

**Siren Testing** Dennis Cobb WA8ZBT, John McFadden K5TIP and Jim Skinner WB0UNI participate in the Richardson emergency siren testing. The July test was conducted as scheduled. Most sirens worked well, with a few of the usual glitches. The sirens are monitored by amateur radio operators and reports made using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz. Siren testing occasionally uses the University of Texas at Dallas (UTD) repeater at 145.430 MHz, which is designated as the backup repeater.

**Crime Watch Patrol** Jim Skinner WB0UNI 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.

**FYI—Masks are now required once inside all of the Collins buildings.**

### N5CXX Field Day Report

N5CXX operated in the ARRL June 2020 Field Day. Bob K3NT and Dennis WA8ZBT operated from the club station. Steve K6JT also had two messages that made an additional 200 points. I would like to thank anyone who also sent their log in that helped the score this year. A total of 1141 contacts were made. Here is the breakdown.

Band	Mode	QSOs	Pts	Pt/Q
7	CW	220	440	2.0
7	FT4	1	2	2.0
7	FT8	3	6	2.0
7	LSB	51	51	1.0
14	CW	348	696	2.0
14	USB	3	4	1.3
21	CW	329	658	2.0
21	USB	5	5	1.0
28	CW	153	306	2.0
28	USB	15	15	1.0
50	CW	2	4	2.0
50	USB	11	11	1.0
Total Both		1141	2198	1.9
Score:		4,396		
1 Mult = 1.0 Q's				

(Contributed by Dennis Cobb WA8ZBT).

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**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 in Conference Room A of the Methodist Richardson Medical Center, at the Bush/Renner/Shiloh intersection in Richardson. Walk-ins are welcome, but it's best to register with the lead examiner, Kerry Weeks, at [weeks.kerry@gmail.com](mailto: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 17<sup>th</sup> St. East Plano. Check Repeater 147.180+ for announcements.

**Richardson** The Richardson Wireless Klub (RWK) VE team hold license testing on the third Thursday of each month at St. Barnabas Presbyterian Church, 1220 West Beltline Rd. Testing begins at 1900 hrs in room 12. Enter through the Northern most door on the east side of the church building. For further information contact Don Klick KG5CK. 972.464.2889 or E-mail [rwkhamtest@gmail.com](mailto:rwkhamtest@gmail.com).

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**The Prez Sez ...**

with KR1ZAN

With the way things are going, I suspect the club is going to be hampered with face-to-face gatherings for the remainder of the year. We had been hoping to be able to hold our Ice Cream Social in July, but state and local restrictions prevented that. It looks like video conferences are with us for a while longer.

The CARC Board of Directors held a workshop on July 7th to review the list of open motions and action items, many of which have been open for 3 or more years. After considerable discussion, the Board unanimously agreed to rescind all open items and requested additional information from everyone in order to justify acquisitions or actions. The board was concerned that the circumstances several years ago which prompted a motion or directive may no longer be applicable. Numerous questions were raised about the club's mission and vision and how any action relates to the purposes as expressed in the CARC constitution.

The board is now reviewing the list of purposes and how club actions have satisfied those purposes. If you have comments regarding the club's mission and vision, we'd like to hear from you. Send your thoughts and comments to me at [kr1zan@arri.net](mailto:kr1zan@arri.net) and those will be shared with the Board.

I've only heard from one CARC member about their Field Day experiences. Sounds like the coronavirus put a damper on some, but excited a number of others. I hope you had a great time nevertheless. I really hope that we can have a "real" Field Day next year. If you would like to "champion" a serious Field Day in 2021 let me know — now's the time to start — plus, you'll have plenty of time.

A [groups.io](https://www.groups.io) discussion group for CARC member's only was established recently and invitations were sent to all mem-



bers. Sadly, only a handful have responded to the invitation. If you didn't get the invitation or lost it, send me an email requesting another, and one will be sent to you. This is just another way our members have of communicating with each other.

And while I'm discussing communicating ... join us every Tuesday evening from 5:30 to 6 p.m. on the CARC repeater (441.875 MHz, +5 MHz, PL=131.8 Hz) for the Drive Home Net. It operates every Tuesday except the 4th Tuesday, when we have our regular monthly meeting.

*Until next month ... 73, Frank KR1ZAN*

## Vice President/Membership Chairman Report

Current Membership - 50

Full Members - 31

Associate Members - 11

Life Members- 8

The most current roster is posted on the Members Only portion of our Web site. If you need a Member ID and Password for the Members Only portion you can contact Mike Hollingsworth at [MHOLLING@verizon.net](mailto:MHOLLING@verizon.net).

73s,

Bill K5MWC

## SECRETARY'S REPORT

23 June 2020

President Frank Krizan KR1ZAN called the meeting to order on-line via Zoom at 1921.

The following logged into the meeting:

Jim Brown	AF5MA
Bob Coulbourne	W4FTD
Mark Dempsy	N5MD
Gene Duprey	K1GD
Bob Jones	W5BJ
Bob Kirby	K3NT
Frank Krizan	KR1ZAN
Steve Phillips	K6JT
Mike Schmit	WA9WCC
John Schroeder	K5ZMJ
Jim Skinner	WB0UNI
Jim Stafford	W5DTG
Bill Swan	K5MWC

Rohan Thomas	KG5RCN
Kerry Weeks	K5WKS
Milton Withers	AD5XD
Joe Wolf	N5UIC

### Officer and Committee Reports

**President's Report:** Frank Krizan KR1ZAN summarized his report in the June newsletter. He noted that he had tabulated all club actions for the past three years through a review of the Secretary's Reports and would, in conjunction with the Board of Directors, determine the status of each. This will be accomplished prior to initiating additional spending actions.

**Vice President's and Secretary's Reports:** Reports were referenced as they appeared in the June newsletter and no changes noted.

**Treasurer's Report:** Treasurer Rohan Thomas KG5RCN provided a status of club funding.

**Activity Manager's Report:** Kerry Weeks K5WKS summarized planned programs through December 2020.

### Old Business

None.

### New Business

None.

### Announcements

Mark Dempsy N5MD offered to give away a number of Rockwell CXR diplexers that he has accumulated. A few takers were identified.

Frank Krizan noted reports that Fry's Electronics was making good progress on restocking of their shelves.

Kerry Weeks repeated the plan to serve ice cream at the July meeting. If a facility is not available by then, the event will be scheduled in a local park or other outdoor location.

### Adjournment

The meeting was adjourned at 1942, followed by a presentation on "Working the EasySats" by Frank Krizan KR1ZAN.

## Activity Manager's Report

*by Kerry Weeks, K5WKS*



This coronavirus is doing a number on our plans for 2020. We've had to cancel our 2nd Annual Ice Cream Social, but thanks to Frank KR1ZAN, we have obtained a very interesting program to be delivered all the way from Iowa. It's on "Bent Dipoles" - a topic that we all can probably relate to.

Because the hospital has indicated that we won't be able to use the conference rooms that we have enjoyed the use of

for many years, we are planning to hold our meetings via Zoom until such time as we are permitted back into the hospital. Attendance at our Zoom meetings has been good. I hope more members will join us as we try to provide useful and interesting programs.

If you have ideas for meeting programs, send them to me and include any speaker contacts that you may have. Send to [weeks.kerry@gmail.com](mailto:weeks.kerry@gmail.com)

Looking ahead, our meeting in August will be on Tuesday, August 25th, and unless something magical happens, will be via Zoom. Our speaker for the evening will be Dave Jaksa, W0VX, on "DXing for Non-DXers." Dave is always interesting and offers lots of information based on personal knowledge and experience.

## Sporadic SIGNALS

... captured by Frank KR1ZAN



**For those of you on FT8 and looking for tips** on how best to use the mode, Bennett WB5GVY, posted the following in the Austin SwapNet Newsletter June 15, 2020. He says: "I periodically update some FT8 tips on my QRZ.com page

that may (or may not) be helpful to you:

Beginner FT8 tips: <https://www.qrz.com/db/WB5GVY#FT8Tips2>.

More advanced FT8 tips: <https://www.qrz.com/db/WB5GVY#AdvFT8>.

**A lot of us from DFW enjoy traveling down south to the Belton Hamfest** in the Spring and Fall. There's been a lot of discussion on whether the Fall Ham Expo is on or not. The Temple Amateur Radio Club on July 6th made it official — it's OFF. Here's their announcement:

"The Temple Amateur Radio Club regretfully announces that for the first time in the long history of Ham Expo a show has been cancelled. The fall edition of Ham Expo October 2nd and 3rd 2020 will not be held.

At this time it is unknown what state, county and city restrictions may be in place come the month of October or if events such as Ham Expo will even be allowed. Changes in restrictions could potentially come mere hours before Ham Expo, while vendors are already on site or traveling. Social distancing restrictions could force Ham Expo to eliminate half of our tables and vehicle spaces. Rather than risk inconveniencing and disappointing several, half or all of our vendors and public the choice was made to skip the fall show.

**"The date of the next spring Ham Expo is March 12th and 13th, 2021."**

**And, I'm sure by now you've heard the State Fair of Texas 2020 has also been CANCELLED.**

Even though all our favorite hamfests and conventions have been pushed to the side due to the COVID-19 Coronavirus, **you'll be happy to know that QSO Today is putting on a "Virtual Ham Expo" on Saturday and Sunday, August 8-9, 2020.** Attendance is free and registration is now open at <https://www.qsotoday.hamexpo.com> with early bird prize incentives for registering by July 24, 2020. (Hopefully this newsletter got to you in time; but, you can still register, sans the "Early Bird Prize"). Sounds like it should be fun.

**I hope that many have read this far in the newsletter.** If



you're here, you've noticed the Easter Egg - which usually indicates a surprise. For our wonderful readers, we're offering a door prize, which if you win will be mailed to you.

To enter, simply send an email to [kr1zan@arrl.net](mailto:kr1zan@arrl.net) with the Subject: Easter Egg and include your name and call sign. If your name is drawn, you'll be contacted to find out the best way to get your prize to you.

**The ARRL indicates that Field Day 2020 may be one "for the record books"**. Because of the waivers allowed for home operation (D) and the ability to report your score crediting your club, many hams participated from their own QTH. If you operated from home and haven't yet submitted your Field Day Report, remember that entries must be post-marked or submitted via web app at <http://field-day.arrl.org/fdentry.php> by Tuesday, July 28, 2020. Late entries cannot be accepted. To view entries received see FIELD DAY SUBMISSIONS at the bottom of page at <http://field-day.arrl.org/fdentriescrvd.php>

**And, if you participated from home or in the great outdoors** and submitted your club as the "Collins Amateur Radio Club," please send your FD Summary to Bob Kirby, K3NT, at [k3nt@arrl.net](mailto:k3nt@arrl.net)

**The ARRL ARES E-Letter on July 15, 2020 had a great article** on the topic of "Convert Used Construction Light Towers to Tower Trailers." The author gives a lot of details on what his club did in renovating the used trailers and certain precautions to take. <http://www.arrl.org/ares-el?issue=2020-07-15>

Until next month,

73, Frank KR1ZAN

## CARC NET REPORT

by Frank KR1ZAN

The CARC Drive Home Net operates Tuesday evening from 5:30 to 6 p.m. CARC Repeater, 441.875 MHz, +5 MHz,

every on the PL=131.8





HZ). It operates every Tuesday, except the 4th Tuesday, when we have our regular monthly meeting.

Check-ins have been light, but we're continuing to see if this net will be an effective tool for member and area ham communications. Please join us if only for the log. Our net operates as an informal roundtable on which you may share news or information to other radio amateurs, offer items for buy/trade/sale, ask questions, or just rag chew.

Our logs for recent Nets show the following check-ins:

June 16th - KR1ZAN (NCS); WB0UNI Jim.

June 30th - KR1ZAN (NCS); K5MWC Bill; KC5MVI Paul; WB0UNI Jim.

July 7th - KR1ZAN (NCS); WB0UNI Jim.

July 14th - KR1ZAN (NCS); KC5MVE Paul; WB0UNI Jim.

### Where Does the Word "Birdie" Come From?

I have always been interested in where certain words that have become a part of our culture came from. For instance, the word GOLF was a word some have suggested was coined from the policy instituted when the game as we know it today was invented on the eastern Scotland coast in 1497. What policy? Gentlemen Only Ladies Forbidden (GOLF). I do not know if true, but it very easily could be.

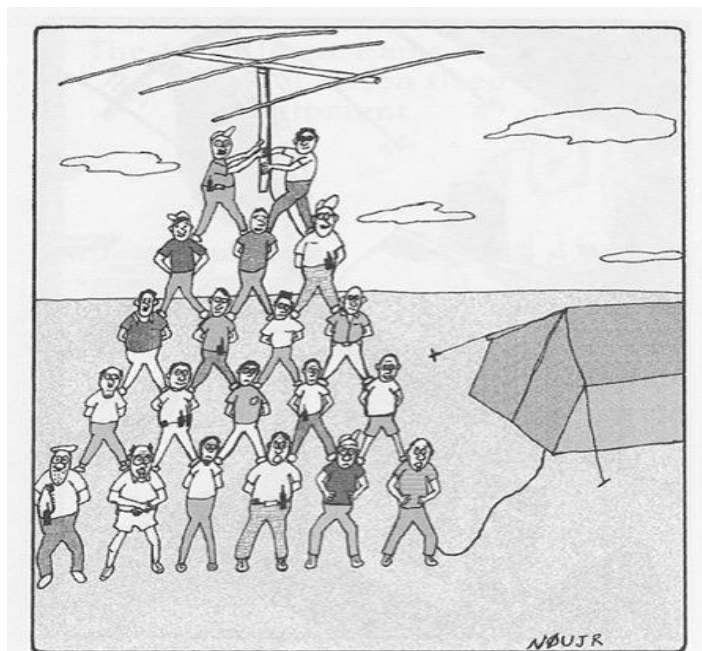
In the radio culture we have "tech speak" and one of those words is "birdie". Where did "birdie" come from? Well, here is my totally unsubstantiated thought. It may have well been an outgrowth of an actual control that is in the Collins 75A-4, the receiver part of the famous Gold Dust Twins. In the days when the 75A-4 manual was written there was a section called THEORY OF OPERATION and, get this, a section called MAINTENANCE. Try maintaining today's radios.

In the 1 June 1955 75A-4 Instruction Book under MAINTENANCE (Section 5 item 12) there is a notice of how to adjust the TWEET Trap. It seems that, quoting from the manual, "A third order tweet appears at 3.533 MC [today we call that Mega Hertz] in the 80-meter band caused by the 5.7 crystal beating with the second harmonic of the VFO at the mixer V-5." When I was finally able to get the Gold Dust Twins and was reading the manuals, I could hardly believe that from a high-tech company like Collins that a control called Tweet would appear. Somehow that simply did not fit the image of Collins. But, how else would you describe the sound that is made when you have two signals mixing and producing a third order signal? Hmm, maybe tweet is not that bad.

Now for my theory. I think that somewhere the term Tweet became associated with the sound that a bird makes and what was being heard on 3.533. Hence instead of talking about "tweets" we talk about "birdies". That is my story and I am sticking to it, as Paul Harvey was famous in saying.

Final thought, for the OMs, I would suggest that you not talk about where the word GOLF may have come from with your significant other, It could be hazardous to your health.

(Contributed by Bill Swan K5MWC)



The Oak Valley Amateur Radio Club demonstrates its well honed emergency operations skills, by improvising a tower during Field Day.

(Reprinted with permission from Greg Trook from his book "NOUJR and His Friends")

### AMATEUR RADIO

By Vic Seeberger WTVSE

While employed at the FAA Overseas Radio Station, KSF, at the old terminal building at San Francisco Airport for about two years, in the 1950s, I was happy with the work. We were still using the International Morse code for air-to-ground communications with the aircraft. All the military planes carried a Morse operator. Some of the airlines were still using it, especially the overseas flights. But, as they say "all good things have to come to an end," and so it was with Morse code. They started converting over to radiophone for their air-to-ground communications. I was beginning to witness International Morse Code following in the footsteps of the Original "Landline" Morse Code and becoming obsolete. This had been happening for quite a while.

I loved the code and wanted to continue using it. They used it for a few years after that with the ship-to-shore stations. So, if I stayed with the Morse code, I would have to get a job with one of the shore stations. They were still operating in California, Washington State, and Florida and possibly some on the east coast. And how long would they stay in the Morse code business?. I didn't want to raise my family

at any of those locations. So, I decided to get an Amateur Radio license and I could work my beloved code at home, wherever I was, whenever I felt like it. I got a book with all the required things to learn, and started studying for my Amateur FCC license, my "Ham" ticket. After a few months, I thought I was ready to take the test from the FCC. I read in the paper that the downtown San Francisco office of the FCC was giving the Amateur license exams on Thursday. I thought it would be an all day affair, from 8 to 5, so I showed up at the Federal Communication Commission (FCC) office at about 10AM that morning. When I went in, there was nobody in the office except a pretty secretary.

She asked me what I wanted, and I told her I was there to take my "General Class" Amateur Radio Operator's examination. She smiled, and told me that the Exams had started at 8AM and were all finished about 930AM. My face was red. I told her that I guess I didn't read the fine print in the paper. While we were talking, one of the FCC Examiners came in from another room and asked what I wanted. I told him I just wanted a Ham license so I could use the Morse code on the air, and I guess I would have to come back at the next time the exams were available. He smiled and told me to come on in the back room. I did, and he handed me a paper to fill out. I didn't know it, but it was the exam for a "Novice" Amateur License. The questions were ridiculously easy. He sent some code to me on an oscillator, and had me send a couple of words on a hand key, and said that I had passed, and my FCC Amateur Radio license would be in the mail soon.

I left there feeling good. Only later did I learn that the Novice license I received, as KN6CTW, was only good for a small portion of the band, and you were limited to 75 watts of power, and other restrictions such as crystal control. If I had remained in California and upgraded to General Class, my call would have been K6CTW. I never did get on the air with that call.

Shortly after that, I was transferred to the FAA INSAC (Interstate Airways Communications) Station, SLC, Salt Lake City, Utah, There was an FCC office in town, and soon I went down and passed the General Class exam and received the call W7VSE. Inquired around, and found a WW2 aircraft transmitter and receiver with a homemade AC power supply. I put an antenna up in the trees and got on the air. My first contact was with another Ham and he was way across town in Salt Lake City. But it worked and I was elated. Later on, while in Medford, OR, I drove over to Klamath Falls and passed the Extra Class License Exam. It was a tough written test, with diagrams of a power supply and an audio amplifier stage, with components and values, as I remember. Also had to qualify at sending and receiving Morse code at 20 words per minute. The code was no problem, and I had been studying the FCC rules and regulations and other material in a handbook over a long period of time. I had memorized several schematic diagrams that might be needed when I took the exam. Learning the diagrams and

component values was the most difficult part of the examination, for me. My hours of study efforts paid off, and I passed the Extra Class Exam.

I had gotten interested in getting a DXCC (DX Century Club) certificate. This award requires Radio contact, and certification cards (QSL cards), for one hundred different foreign countries and the 100 cards had to be sent by mail to American Radio Relay League (ARRL) in Newington, Connecticut for confirmation to get this award. One thing that kept me wanting to get an Extra Class license was the fact that the FCC divided up frequencies on the Amateur radio bands, and an Extra Class license was required to operate on the low 25 Kilocycles of each band. And this was where most of the DX (Foreign) countries were found. So, after I got my Extra, I got busy and got the DXCC. I continued working countries after that and ended up confirming 207 countries. There were a bit over 300 countries available at that time.

But then I discovered "Traffic" nets, and this completely changed my Ham activities, and my life. The ARRL sponsored something called the National Traffic System (NTS). These Hams were handling message traffic just like I did in the US Army Air Corps for four years. The Amateur message traffic consists of short radiograms from anyone that wanted to partake in the free message service to anyone in the USA and some foreign countries. The NTS had Local nets, Section nets, Region nets, Area nets, and something called the TCC (Trans Continental Corps). The nets meet every day at the same time on the same frequencies. The nets have an NCS (Net Control Station) and liaison to the other nets.

The National Traffic System was originated by George Hart, W1NJM, at W1AW, ARRL Headquarters in Connecticut. I talked with him a few times on CW (Morse Code) and I found out he was in the AACS (Army Airways Communications System), just as I had been, during WW2. When he found out I had been in the CBI (China, Burma India) theatre of war, he told me that he had been scheduled to join us in the CBI, but they decided he was needed more in North Africa, so they diverted him there. He did the same kind of work that I did.

George worked at ARRL Headquarters, in Newington, CT, before WW2 and returned to his job after the war. He was a very shrewd man and he had the foresight to see that the Amateur Radio system had the personell, and was a natural place to handle message-traffic similar to what we did in the U.S. Army Air Corps, AACS.

He went to work and devised the National Traffic System that covered the USA and had links to other countries of the world. He did a great job, and I suppose it had to be modified a bit here and there as time went by. It is still functioning today.

However, with the advent of cell phones, the computer, the Internet, etc, the amount of messages has greatly decreased, and the system is in danger of becoming obsolete.

It seems the present generation wants “instant gratification” and do not want to wait a day or so for a telegram to be delivered, even though it is free.

I started checking into the Oregon Section Net (OSN) every evening when I wasn’t working, and after a while I was appointed Net Manager of OSN. This lasted a couple of years. I was also doing liaison work to the Region Net (RN7) where liaisons from seven sections (Oregon, Washington, Idaho, Montana, Alaska, British Columbia and Alberta) meet twice every night. Soon I found myself as a Net Control Station one night a week on both sessions of RN7. I was also doing liaison duty to the area net, PAN (Pacific Area Net), where several liaisons from Region Nets exchange traffic. Also TCC (Trans Continental Corps) operators send and receive messages from and for other areas. Then I became a Net Control Station on PAN. The Net Manager’s job for RN7 became available and I was selected for that job. A TCC spot was needed on PAN to receive traffic going to an Eastern Area TCC schedule the following day. I did this, along with my other duties, for several years. Then ARRL decided that each section needed a Section Traffic Manager, (STM). I was the first STM for Oregon, appointed by the SM (Section Manager). I held this STM position for many years.

The ARRL gives an award called the BPL, (Brass Pounders League) certificate. The requirement for this award is to send and receive a total of 500 messages in any Calendar month. Or you could get the BPL for having a combined total of 100 originated and delivered messages in any month. If you succeeded in getting three BPLs, you were awarded the BPL Medallion. This is no small task, but there was an abundance of message traffic being handled in those days, and I love to handle traffic. After I retired from the FAA, over a period of many years, I could go to the Ham shack every night, and I amassed 129 (one hundred twenty nine) BPL awards. This would be almost impossible today, with the small amount of message traffic being handled.

And all this time I am doing many other things on the Ham bands. I enjoyed every minute of it. I joined the local Rogue Valley Amateur Radio Club (RVARC) and attended meetings for several years. I was their first Emergency Coordinator for Jackson County, and with some help from ARRL Headquarters, I drew up the first emergency plan for the RVARC. I also participated in the “Field Day” activities, once a year, for quite a few years. This is one time each year that the Ham Club members set up a portable, gasoline-powered, field site and demonstrate their ability to operate during emergency conditions. Usually lasts over one weekend, and it’s a lot of fun.

Over the years, I had the pleasure of using my Ham radio to talk to four of the old 10<sup>th</sup> Communications Squadron buddies of the AACS that I was with in the Air Corps while I was in China and India: John Osborn, in Indiana. Fred Winters, W2PZF, in New York and Florida, Leonard Bullcock, W5ESH, in San Angelo, TX, and Robert M. Sutton, in

Houston, TX. They all had Amateur Radio licenses. I also visited each of them at different times. *(To be continued)*

*(Contributed by Steve Phillips)*

## Upcoming Events

<b>Daily</b>	DFW Early Traffic Net (NTS) at 6:30pm 146.88 – PL 110.9Hz
<b>Daily</b>	DFW Late Traffic Net (NTS) at 10:30pm 146.72 – PL 110.9Hz
<b>Daily</b>	Texas CW Traffic Net at 7:00pm on 3541 KHz and at 10pm on 3541 KHz <a href="http://www.k6jt.com">www.k6jt.com</a>
<b>1<sup>st</sup> Wednesday</b>	Richardson Emergency Siren Test. At noon using the Richardson Wireless Klub (RWK) repeater at 147.120 MHz.
<b>2<sup>nd</sup> Wednesday</b>	ARES North Texas HF Net Every month—3860 KHz at 8:30 pm—9:30pm
<b>AUGUST</b>	
<b>1-2</b>	<b>222 MHz and Up Distance Contest.</b> Work as many stations as possible on the 222 MHz through 241 GHz bands using any allowable mode. Begins at 1800 UTC Saturday and ends at 1759 UTC Sunday. Details at <a href="http://www.arll.org/222-mhz-and-up-distance-contest">http://www.arll.org/222-mhz-and-up-distance-contest</a> .
<b>15-16</b>	<b>10 GHz &amp; Up – Round 1.</b> The objective of 10 GHz and Up is for 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. Operations may take place for 24 hours total beginning at 6:00 AM local Saturday though 12:00 midnight local Sunday. Details at <a href="http://www.arll.org/10-ghz-up">http://www.arll.org/10-ghz-up</a> .
<b>16</b>	<b>Rookie Roundup – RTTY—</b> To encourage newly-licensed operators in North America (including territories and possessions) to operate on the HF bands and experience competitive operating. on the 80, 40, 20, 15, and 10 meter HF bands. From 1800 UTC through 2359 UTC. Details at <a href="http://www.arll.org/rookie-roundup">http://www.arll.org/rookie-roundup</a> .
<b>SEPTEMBER</b>	
<b>12-14</b>	<b>September VHF.</b> Objective: For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada. Begins 1800 UTC Saturday and runs through 0259 UTC Monday. Details at <a href="http://www.arll.org/september-vhf">http://www.arll.org/september-vhf</a> .



Richardson, Texas

Mail Station 461-290

Richardson, TX 75083-3807

TO:



Richardson, Texas

**CLUB STATION**

(972) 705-1349

**N5CXX REPEATER**

441.875 MHz +5 MHz Input

131.8 Hz PL - RX and TX

**N5CXX-1 PACKET BBS COL Node**

145.05 MHz

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

**Membership Meeting**

Tuesday 28 July 2020 **7:00 PM**

**NOTE THE TIME CHANGE**

**THE June 2020 MEETING WILL BE CONDUCTED BY VIDEO CONFERENCE!**

**NEXT SIGNALS INPUTS DEADLINE:**

**→→→ 14 August 2020 ←←←**