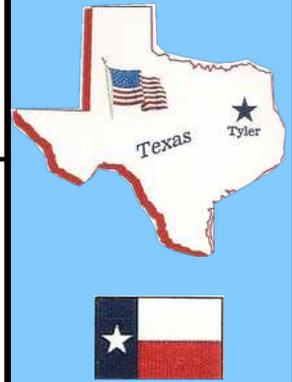




The Groundwire

The Official News Letter of the Tyler Amateur Radio Club



Tyler Amateur Radio Club

<https://www.tylerarc.org/>

March 2020

Volume 2020-03

Tyler ARC Officers

Joe Lisbony	WB5SDV	President
Michael Fowler	W5FOW	Vice President
Josh Kaufman	KE5FGC	Secretary/Treasurer
Butch Adair	WA5SLG	Director At Large
Jack Malone	AF5JM	Director At Large
Wayne Hoskins	WM5Q	Repeater Trustee

NWS SKYWARN Storm Spotter Program - Local Training Session

When:
Thursday, March 19 - Tyler
7 p.m. - 9 p.m.
Shiloh Road Church of Christ – 1801 Shiloh Rd.

In most years, thunderstorms, tornadoes and lightning cause hundreds of injuries and deaths and billions in property and crop damages. To obtain critical weather information, the National Weather Service (NWS) established SKYWARN® with partner organizations. SKYWARN® is a volunteer program with between 350,000 and 400,000 trained severe weather spotters. These volunteers help keep their local communities safe by providing timely and accurate reports of severe weather to the National Weather Service.



Although SKYWARN® spotters provide essential information for all types of weather hazards, the focus is reporting on severe local thunderstorms. In an average year, the United States experiences more than 10,000 severe thunderstorms, 5,000 floods and more than 1,000 tornadoes.

Since the program started in the 1970s, the information provided by SKYWARN® spotters, coupled with Doppler radar technology, improved satellite and other data, has enabled NWS to issue more timely and accurate warnings for tornadoes, severe thunderstorms and flash floods. SKYWARN® storm spotters form the nation's first line of defense against severe weather. There can be no finer reward than to know that your efforts have given your family and neighbors the precious gift of time--minutes that can help save lives.

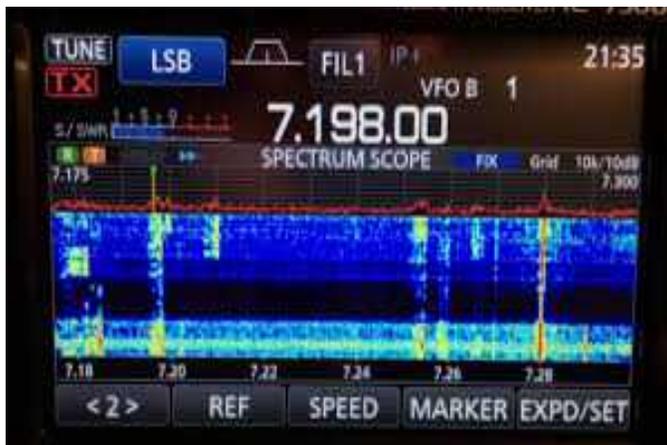
Who is eligible and how do I get started?

NWS encourages anyone with an interest in public service to join the SKYWARN® program. Volunteers include police and fire personnel, dispatchers, EMS workers, public utility workers and other concerned private citizens. Individuals affiliated with hospitals, schools, churches and nursing homes or who have a responsibility for protecting others are encouraged to become a spotter. Ready to learn more? [Find a class in your area.](#) Training is free and typically lasts about 2 hours. You'll learn:

- Basics of thunderstorm development
- Fundamentals of storm structure
- Identifying potential severe weather features
- Information to report
- How to report information
- Basic severe weather safety

It is important to realize volunteers are not storm chasers. Instead, they are storm spotters only and report conditions in their communities to assist the National Weather Service to better see and understand actual ground conditions. Storm chasing is highly discouraged since it is very dangerous.

Understanding Waterfall Displays



With personal computers and advanced transceivers being more widely used within the confines of our radio shacks, there is a tremendous amount of data available to use with the push of a few keys. The presentation of a waterfall on our computer screen of radio frequency use has certainly streamlined and quickened our ability to see where action is taking place on a specific radio band.

In the event that you've never observed a waterfall display on a computer screen, it's a real time event or almost a real time event of radio activity on various parts of the band. By ignoring all the complicated mechanics of how all of this happens, or the amount of activity you see, the display is really a snap shot of activity on the band that is continually changing each second.

In simple terms, the waterfall display is a way of showing tons of data in a very compact way..

As you look at the horizontal axis on the display, it represents the frequency. And the vertical axis represents the time, the color indicates signal strength. So for an example, let's say you're looking at the 40 meter band from 7.0 MHz to 7.3 MHz. On the left side of the screen you'll see 7 MHz and on the right side 7.3 MHz. And in-between and halfway across the display you'll see 7.150.

Now, in a similar manner, the zero seconds ago appear at the top of the waterfall display and they begin to cascade downward as time progresses. So on the chart example, the 1 minute ago would be at a lower point than zero seconds ago. And depending on how you have set up the whole screen updating on your computer screen, this cascading effect can take place slowly or rapidly. Your display could represent 30 seconds, 3 minutes or 3 hours of data depending on how you have set things up on your computer. The setup is very flexible, entirely configurable and totally arbitrary; it's what ever you decide.

To understand signal strength, envision the color black as having no signal strength and the color red being the maximum signal strength. The brightness or intensity of these colors indicates more signals being present.

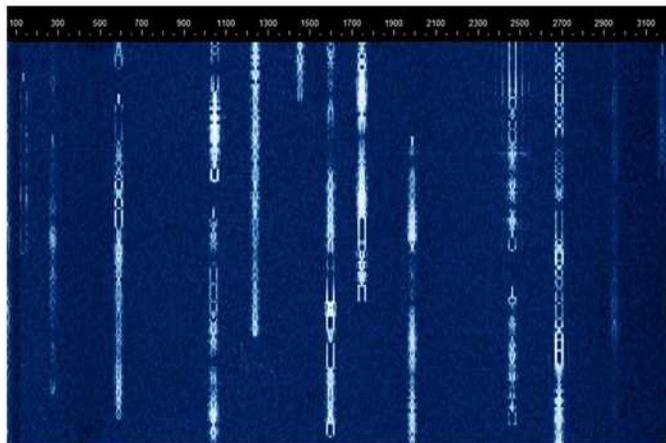
A radio operator might be sending a CW signal in Morse code and the

signal may show up on the waterfall as a series of dits and dahs cascading down the screen with the oldest part of the signal being found at the bottom and the newest found at the top of the waterfall.

Whereas, an AM signal may show up as a wide or thick line in a bright color indicating a high strength signal in the middle and lighter colors showing a low signal strength towards the edges.

Each mode of radio operation has its own visual characteristics displayed on the waterfall and some of the characteristics in some instances you can be read information about that signal on the computer screen.

Then there are some strange things you may see on the waterfall display like diagonal lines.



A diagonal line would represent a radio signal that is strong and occurs as a particular time and frequency. Then a moment later it has changed frequency, only to change frequency again. It is the steepness of this diagonal line that is dependent on two things: the speed the frequency changes and the rate the waterfall display is updated on the computer.

Before waterfall displays came into existence, the way a radio operator would experience this type of signal that flashes up as a low to high swoop or high to low swoop sound and is dependent on the listening mode and direction of the frequency change.

So what is that signal called?

It's called an Ionospheric Sounder. The operator pings the ionosphere across several frequencies and is listening for a return echo to see if the ionosphere is reflective for a particular frequency(s) at that point in time. This information allows for the creation of a map on what the ionosphere is doing at the present moment and what frequency can be used to make a contact.

Basis of the above paraphrased article is attributed to:

**Ono VK6FLAB, "Foundations of Amateur Radio #154",
www. eham.net 05/19/2018.**

How We Got Started in Ham Radio.

A Change of Pace: Stories of how two individuals got into Ham Radio and who influenced them.

“HELLO AMERICANS! THIS IS PAUL HARVEY! SSTTAANNDD BYYY FOR NEEEEWS!!!!”

by John Armstrong – KG5LWD

These are the words made famous by the great radio commentator, Paul Harvey, each Monday through Friday during the lunch time hour from his radio studio in Chicago via an ABC News Feed. I was new to the radio business beginning in 1973 and never paid much attention to Harvey before then. It was when I sat down in the control and engineering rooms of KHEY radio in El Paso, TX where I began listening to a man who seemed to make a whole lot of sense to me. Paul Harvey had a wonderful radio voice that I can still hear today in my memories. His voice had a commanding presence that one naturally would listen too. His stories were pictures painted with words that only the mind can see. It was Paul Harvey’s story telling and other important people in my life that got me interested in radio and eventually ham radio.



Paul Harvey

I can still remember numerous conversations I had with my friend Charlie (an Amateur Radio Operator) at the radio station discussing many of the things Paul Harvey mentioned on the radio. Those discussions caused me to think differently about the world and how fortunate I was to live in such a great nation that Harvey made better by pointing out the good things about American life; a notion I didn’t quite fully appreciate in my early and stupid 20’s. After all, listening and discussing things Harvey said on the radio caused me to look at the world with a totally new perspective by seeing the light. Thank God for Harvey!!!

When he said, “This is Paul Harvey”, the tone and commanding presence of his voice seemed to carry us back to the days when radio was king. It was during a time when looks didn’t matter to people as they do today. It was his distinct radio persona that presented so much importance and credibility to the listener. Harvey was an old-fashion individual; both politically and socially. He told stories like our old grandpa use to tell us that made them so memorable; stories about [“The Policeman”](#), [“The Farmer”](#), [“Freedom to Chains 1965”](#), [“The Testing](#)

[Time”](#), [“If I were the Devil”](#), [“The Declaration of Independence”](#), [“Our National Anthem”](#) and many others. When Paul Harvey departed this world on February 28, 2009, he took the entire story of about radio’s history with him. There is no more of “The Rest of the Story”; it’s long gone. Now, we have a tremendous void in the world of radio where a sense of decency and honesty are gone forever.

Paul Harvey was born before commercial radio stations went on the air. Yet he was able to develop a persona that spanned radio’s golden years, the post WW II rock and roll era all the way to the talk news that we hear today. He did this for nearly 75 years. And all during that time, his voice was so distinct, his diction precise and powerful. Yet he coined new words that became synonymous with his style; words like “Nee-ews” instead of “nooze” or “Reck-ord” for “reckerd”. And from time to time he would intentionally add an extra vowel to a word (i.e., “web-a-site”) to give him that extra flair and style to his stories. It was something he could call his own that nearly 12 million weekly listeners would tune into via 1200 radio stations around the nation in addition to 400 Armed Forces Network affiliates. The big majority of listeners were of his generation, but there were some younger folks like me who tuned into this programs, as well. Once someone heard Harvey on the radio, there was almost a unanimous opinion we were listening to greatness.

Paul Harvey Aurandt was an Oklahoma boy born in 1918. His dad, a policeman, was shot and killed by robbers when Paul was only three years of age. As a young boy, he built himself a radio set to receive radio signals from near and afar. And while in high school, one of his teachers encouraged him to enter the radio booth at a local radio station KVOO. From there, he landed radio jobs in Salina, KS, Oklahoma City and Honolulu, HI prior to the Japanese attack on Pearl Harbor. He later landed a job in 1944 in the City of Chicago where he spent the rest of his career. It was there where he hosted a “Jobs for G.I. Joe” program on the radio and where he coined his signature phrase “the rest of the story” that he used until he passed away.

Whether any of us realize it or not, Paul Harvey was a heck of a good salesman and could peddle products for advertisers and gave them a tremendous sense of credibility to the consumer. Many Americans felt if Paul Harvey endorsed the product, it was good enough for them. His hallmark trait was his ability to convey a truthful sales pitch. In fact NBC Saturday Night Live, when it was a fun show to watch and not so mean spirited, even had a skit about Paul Harvey pitching products in 1985. Even when he was made the brunt of a joke on that program, Harvey was unapologetic about pitching products since he felt commercials at times were the best news of the day. He may have had a very good point there. After all, when he said you could keep your teeth for your entire life, your car battery kept its promise of delivering reliable service, a glove that didn’t wear out or a hand cream made your skin feel soft, that is definitely good news to the listener and those who sold the product. And he would actually use those products in his own life. Paul Harvey walked the talk. He was a peddler extraordinaire.

It wasn’t until his last few years while on the air that we began to notice his distinctive voice begin to crack a little, yet it still had a rhythmic and whimsical tone to it. He never let the small change in his voice impact his profession. To the last day he was on the air, he always provided us a mix of different headlines where he railed from time to time about things that got under his skin and provided pleasant and lighter side anecdotes with tongue in cheek humor. And he often times mentioned couples who spent generations along the way of living forever together; a heart warming tribute to the institution of marriage between a man and woman; the way things should be (IMHO). I’m sure I’ll hear about this from some. They’ll have to get over it.

Harvey caused several minor industries to develop around the nation because of his radio presence that exuded authority on various topics. His book "The Rest of the Story" had 18 printings in just four years. There are nearly 65,000 individual links on the Internet to the Paul Harvey Riddle: "What is greater than God, more evil than the devil? The poor have it, the rich don't need it. And if you eat it, you'll die."

Even though there isn't any apparent evidence Harvey actually read the riddle on the air, it is still something that made millions of folks research it to find out the answer to the riddle is: "nothing".

Some people felt Harvey was a fretful conservative since he supported Joe McCarthy's search for communists in the State Department; which I don't think he was wrong in today's world with the perception of the Deep State in our government. There were times he just got riled up and fed up on many issues of the day where he changed opinions on the Vietnam War and Richard Nixon. Then in 2005, he felt the U.S. should have turned Iraq and Afghanistan into glass table tops by using nuclear weapons to end the wars; yet he expressed betrayal of government policies he once supported by expressing impatience and frustration.

Harvey was also critical of Nancy Pelosi due to her rubber stamping the Obama stimulus package and expressed publicly that Congress should do its job and not "sit on the economic skillet and let the pork sizzle."

Other political pundits of the day felt it was probably time for Harvey to say his final "Good Day". But, Harvey was not a quitter in any sense. However, towards the end of his career he reduced his workday to a few broadcasts a week. He didn't believe in retirement because he felt it "is just practicing to be dead. That doesn't take any practice". He continued his show into his 90th year and was still doing his show the week he passed away.

So on the day of his passing, all the teletypes in newsrooms around the nation fell silent for a moment to honor a man who for nearly 75 years lead the parade of radio's golden years. Now, the voices of mainstream radio no longer have the voices of reason, logic or willing to reverse themselves when they sense they are wrong. And sadly to say, there is no more "The Rest of the Story".

As Paul Harvey would say, Good Day!

Why I Joined Ham Radio by Pat Brown – AK5TX

Hi! My name is Pat AK5TX residing in Tyler, Texas after 25 years in Alaska. I was asked why I joined Ham Radio? The following is my story.

Born in Gary Indiana in 1954, I always enjoyed communications since my early years. The space race was underway and I too became a doctor of all sciences especially the "High Ground" as we headed to the Moon. But there was also a dark side up there!

One summer night my brother burst into the living room and said, "Come quick there is a UFO up there right now!" Now my dad was a Marine Drill Instructor, (I am even sitting up straighter now), was skeptical and asked if it had Russian markings, but after several urgent requests agreed to step out in the backyard to see this thing. After our eyes adjusted to the dark we peered and listened and there before our eyes a shape, a something moved across the sky blotting out the stars. It was difficult to gauge a shape but it was coming closer. CLOSER! Suddenly we experienced a bright light and gazed upon the craft, yes we could see a large craft in the sky not too far away or too high up in the sky. The light

grew from a dot to a square and expanded and then the entire craft lit up. IT was a large and oval and dark skin craft and then the entire side of the craft began communicating. "BUY GOODYEAR TIRES" B-U-Y G-O-O-D-Y-E-A-R" Then a roar of engines and the lights went out and the Goodyear Blimp ascended and drifted beyond our horizon.

Hmmm that gave me an idea! I took plastic garbage bags and put them together in a collection to form a kite. We used clothesline to hold onto it and with a good wind it had lift. I decided to begin my space program and we put a can of ants as our initial payload in the sky estimated about 30 feet up and returned back to Earth safely and all ants remained alive. We needed a bigger payload and so we convinced a 3rd grader to be our first astronaut and as he held onto the handle bar with a good gust of wind he began to leave the ground and started flying – up, up, up... We were so overjoyed when he reached about 20 feet – the wind stopped! As range safety operator I was tasked with the safety of our tests and now our most successful experiment was free falling and so my assistant and I formed a basket and caught him! Whew no injuries and I decided as Range Safety Officer, "NO MORE HUMAN TEST SUBJECTS!"

Rockets with lots of power – that's the ticket! So I bought some Estes rocket motors, but soon discovered more power was needed! My science teacher was gracious and after making me learn several applications in chemistry and math and materials, I began launching! Our first rocket was aluminum covered toilet paper roll with a ping pong ball nosecone. The powder fuel would not ignite in the tube and our neighbor watching us, (to protect his property), came out and provided fuse material. IGNITION and as we gauged into the Heavens the rocket turned from a rocket into a GIANT smoke bomb. And I mean a smoke bomb! The fire department showed up then the police since it was considered a bomb. BUSTED! In the mercy of authority we were excused providing I do not set off similar devices in the future. OH YES SIR, YES SIR!

Radio Communications was deemed acceptable and I began my radio career including owning, building, and operating my radio station. I received a summons in the mail to appear before the Chicago FCC office. Gulp! Excuse me sir how did you find me? Oh, the Chicago Commissioner stated, WE did not find you. Whew! The US State Department did! "GULP!" He cited my frequencies and relayed the story that my third harmonic was aligned to Radio China and during the 60's, this was a tenuous time. I was told they inquired if I was a spy transmitting secret information as a NIKE Missile Base was only a few miles away from me or other data of strategic value nearby. I attempted to persuade them I was a loyal, God fearing, flag waving, apple pie eating, and working tax paying Republican. I was informed my name or spurious transmissions will NEVER appear again at this office. IS THAT UNDERSTOOD? Sheepishly I agreed. And after being credited for having the first underground FM radio station in Chicago, I took my system and after a brief ceremony, (looking both ways and making sure no one was watching), I pitched all my stuff. To this day at an undisclosed location in the bottom of Lake Michigan remains my stuff entombed by a watery grave with fading memories.

OK how about CB radio? I loved it but oh the language usage was terrible and I was tempted to give up on radio until that day in high school. Rusted natural gas pipelines frozen open allowing high pressure gas to enter residences. Houses began exploding around our high school and no one knew what to do. No one was killed but the devastation was horrific as on one block every other house blew up. My math teacher only had the clothes on his back as his home was decimated beyond repair. Communications was necessary to ensure the students will not be directed into fire zones. I got my radio and upon a roof top we relayed details and avenues of escape for our thousands of

students. It took a day to secure the systems into safe mode. Neglect and no one calling into the hot line about a strong gas odor compounded the events into a catastrophic failure. The miracle was no one killed and together many people working together in coordinated fashion was instrumental to safety including real time reports to local radio stations.

Hmm. Ham Radio! I was encouraged to embrace Ham Radio and expand my borders for communications. During the Vietnam War I was not physically able to join and serve so I decided to support our troops. MARS radio, the connection for military-civilian communications for family service messages was rewarding. The joy of births and marriages and family blessings were offset sometimes with not so great news and conveyance of loss and tragedy at times. Regardless of the news, whether good or bad, we were always thanked for being the messenger. At that time you were required to learn code but the local ham club did not have time to be bothered to help me. I felt great disappointment.

My birthday July 20, 1969 was honored with the landing on the Moon and walking about on my 15th birthday. It became a great inspiration. Ham radio operators listened in on the conversations and the Moon conspiracies include coded messages not made public.

In 2008, I woke up on a Friday morning with no vision. That really messed up my weekend! After many surgeries and treatments, I now have limited vision and considered legally blind. When I go through the airport, TSA asks for my driver's license and I say, "NO!" Footnote: TSA has no sense of humor when you explain a state ID rather than a driver's license is available.

My life imploded and my universe was only the length of my cane. We are told to bond with our canes so I will introduce you my "Candy Cane" when we meet. Amateur Radio was a spark once again within my soul. It sorted my thoughts and with focus regained I obtained my Extra Class License.

I met my Shanley, SK KL5AJK, through ham radio and a local station did an interview called "Love on the Airwaves!" We were married for five years and together began SPARC, South Peninsula Amateur Radio Club, including training and testing to help almost 100 hams begin their careers or upgrade. In rural Alaska, emergency communications was imperative. One time with a class session in progress, a mild earthquake rolled through the meeting and sent our chairs rolling. It was a motivated meeting with no one falling asleep!

Committed to moving to Texas, my Shanley visited and scoped out work and a duplex. Catching the influenza going around there, she returned and passed away a week later. In memory, I changed to vanity license AK5TX or Alaska to Texas! I smile a lot and miss her.

Nowadays I am doing better health wise. Medical care in Tyler is much better than rural Alaska and postponed challenges have solutions. Although this may not be my best day, I am doing better each day.

I am constantly asked, "What can one blind man do in this world?" I respond I am a catalyst for positive solutions. In Alaska the ham clubs assist by providing communications at check points for events as dog mushing. I also served for CERT including EOC, administration, and emergency traffic at the local hospital. April 15, 2013 the Boston Marathon became a terrorist target. All the cell phones jammed, all the police and fire radios jammed. The order was given to render assistance to the services and stop all 17,000+ runners! Volunteer amateur radio operators were entrusted to communicate and coordinate disaster details. Footnote: the Ham Shack was queried if they had armed security protection?

I was just voted into office as Vice President of LETARC, Longview East Texas Amateur Radio Club. Having served in amateur radio clubs for various positions in Alaska, I now look forward to serving and assisting the art and craft of Ham Radio.

Losing sight is not the real challenge in life rather the perception of vision loss by others. Ham Radio has been the most forgiving and accommodating hobby I experienced. In fact, as an Extra Class Amateur Radio Licensee, I can experiment. Today I experiment with a satellite launching system designed to deploy the World Wide Wireless Web. Among the benefits of global e-commerce, I envision a dedicated band for ham radio operators to communicate to anyone licensed, at any time, at any location. Someday I will tell you more about Project LEON-Shoot Stuff Cheaply into Space!

Until then I will relish the fun and activities of Ham Radio. I look forward to assisting others to learn and champion the art and hobby of our craft. Amateur Radio is a part-time activity as cheap as a phone and cost less than a smart phone. The disciplines embrace electricity, electronics, computer science, mechanics, physics, geography, sociology, biology, Earth sciences, history, art, and most important in these troublesome days, WE ARE AMBASSADORS OF GOODWILL. At this time, many challenges exist for ham radio including loss of frequencies due to inactivity and the sale of our allocated bands. With 800,000+ licensed amateur radio operators currently in the USA, it is only 0.248 % of our population. The goal and responsibility of amateur radio includes:

1. Technology
2. Education
3. Public Service
4. Advocacy
5. Membership

I envision a tsunami of education in America based upon Amateur Radio. With the motivation of STEAM Programs, (Science, Technology, Engineering, Art, Mathematics), I believe everyone, including the disabled individuals as myself, will benefit. Instead of Handi-Cap, I choose to say Handi-CAPABLE. ALL our students in schools and their families will benefit greatly as a family activity embracing all the disciplines sharing and learning together. One husband-wife ham team would speak code at the dinner table so the kids would not know what was going on. So they secretly learned and when mom misspelled a word their son spoke up and corrected her! I see with my limited vision 100 million ham operators in 7 years. I extend my hand in friendship and ask you to enjoy the journey with me!

Respectfully 73's, and from my Shanley 88's for her dream to me for Texas!

With Great Expectation Onward and Upward!

Patrick Brown AK5TX

REGIONAL CLUBS

Click on underscored URL to visit site.

Longview <https://www.letarc.org/>

Nacogdoches <http://w5nac.com/>

Athens <http://www.athensarc.org/>

Cedar Creek <https://k5ccl.wordpress.com/>

Marshall <http://marclub.net/>

Minden <http://www.n5rd.org/>

Shreveport (ARCOS) <http://www.qsl.net/nwlam/arcos.htm>

Shreveport (SARA) <http://www.k5sar.com/>
Rusk County (Henderson) <http://www.ruskcountyarc.com/>
Four States (Texarkana) <http://www.4444sarc.org/>
Palestine-Anderson County <http://www.pacarc.org/>

Navarro, Freestone, Limestone and Leon County
<http://www.nflarc.com/>

Panola County (no website)
LeTourneau University – LUARC (no website)

The Rare Ones Of New Orleans

Do a little rag chewing with a group of really nice fellows living in and around the Big Easy on 40 Meters – 7.275 Mhz (+/- 5 khz) – Most Evenings About 1930-2130 CST. **The actual operating frequency for the evening will be posted on NetLogger. Many times also on 7.260 Mhz, so check there too.**

<https://therareonesofneworleans.loga.us/>.

Download Netlogger
www.netlogger.org

NetLogger Setup Instructions

The “Rare Ones” of New Orleans utilize NetLogger during their Round Table QSO’s. For your convenience, I have included the following directions to get you started.

- Using your Web Browser, go to www.netlogger.org
- Select Download
- Select your version based on your Computer Operating System
- Enter your Call-sign and Email Address
- Click “Download”
- Once the NetLogger program is downloaded, install it on your computer.

Open NetLogger

Click on the blue “Select Net” button and look for the Net you want on the drop-down box, and select it.\



Use the “View Monitors” and the “Aim Window” buttons to view and communicate with others using NetLogger.

Additional program information is available from the “Help” utility within the program by selecting “Help” from the top menu.

“The “Rare Ones” of New Orleans was resurrected on February 22, 2017 after much deliberation and thought by nine (9) amateur radio operators in the Greater New Orleans Area. The purpose of the group is to promote the amateur radio HF Communications, the City of New Orleans, and the Audubon Zoo.

The original “Rare Ones” of New Orleans was established in 1965. The current “Rare Ones” are the third generation of this fine group, and are excited to promote our wonderful City’s unique culture, history and fine traditions. To learn about the History of the “Rare Ones” please click on the following link: [History of the “Rare Ones”](#)

The “Rare Ones” of New Orleans also promotes the Audubon Nature Institute. To show our appreciation for the Zoo, each member of the “Rare Ones” has adopted an animal figure to represent a personal connection with the Audubon Zoo. Of course, if you’ve been to the Zoo, they all asked for you! Well, the “Rare Ones” all ask for you to check in with us on the air waves!

One of the goals in resurrecting the “Rare Ones” of New Orleans is to provide a place where displaced New Orleanians could “pull up a chair” and chat with someone back home. Sharing childhood stories and memories with our displaced friends and family brings a great satisfaction to the “Rare Ones”.

The “Rare Ones” of New Orleans love to tell the story of the City of New Orleans to new comers as well as displaced former New Orleanians. By all means, don’t be a stranger and come by for a spicy taste of New Orleans!”

Freedom Link

This is a group of amateur radio operators offering expanded communications during inclement weather coordinating with NWS SKYWARN for advanced weather notification to our communities. This service is provided for use to amateur radio operators of the Four States Area: NE Texas, SW Arkansas, NW Louisiana and SE Oklahoma.

<http://www.freedom-link.org/>

Testing – Get Upgraded

License Exams

Amateur Radio License examination sessions are held each second Sunday, at 2:00pm at the Red Cross center on Rieck Road in Tyler. The exam cost is \$14 – Cash only. Exams are open to anyone who wishes to take one, you do not have to be a club member

The exams are administered by the Tyler VE team. This is not a sponsored activity of the Tyler ARC. [Contact us](#) for further information.

If you are studying to upgrade or for your first license and are struggling with part of the theory, contact us for support to get you past the hurdle.

Spring 2020 Technician Level Amateur Radio Class

Amateur Radio Training Classes – Technician
Tyler Public Library – Maker Space Classroom
1st and 3rd Saturday afternoons 2 pm to 4 pm
February 1 & 15, March 7 & 21, April 4 & 18, May 2 & 16

CLASSES ARE FREE TO ATTEND / MATERIALS ARE PROVIDED
& FREE
FCC Test Session – Cost per person \$14

We extend an open invitation for everyone of all ages and abilities with an interest in learning about our hobby, art, craft, and science of Amateur Radio to attend class including passing and obtaining your own “Ham Ticket” license.

The focus is a self-study program provided in a stress-free and fun atmosphere while you learn. We will widen your horizons with guest speakers and presentations.

You are no longer required to know Morse Code. This is the most accommodating hobby for folks with disabilities too! STEM/STEAM Education via Ham Radio is a practical solution for enhancing school students’ abilities and skill-sets. Did you know scholarships are available too?

Ham Radio is a great way to learn about people and their cultures throughout the globe as an Ambassador of Goodwill. Another benefit of this hobby is an introduction to electricity/electronics, weather, and emergency communications.

**WHEN ALL ELSE FAILS-HAM RADIO!
Zombie Apocalypses are not included!**

TARC, (Tyler Amateur Radio Club) meets once a month to share our hobby!

Visit our website: www.tylerarc.org

Respectfully,

Patrick Brown AK5TX – Instructor

Phone: 907.756.3939 / Email: AK5TX@ARRL.net

Ham Radio Operator in Training



Grandson of Terry Gimble (W5TG) making his first Canadian contact on Winder Field Day.

Nets

TARC Two Meter: Monday night, 8:00 PM

K5TYR 146.960 Mhz Repeater (136.5 Hz CTCSS tone, -600k offset)

K5TYR 147.000 MHz Repeater, 136.5 Hz CTCSS tone, -600k offset

K5TYR 444.400 MHz Repeater, 136.5 Hz CTCSS tone, +5M offset

Smith County Ten Meter: Sunday night, 8:00 PM, 28.365 MHz (+/- 5 kHz as needed.)

ETECS Two Meter: last Monday of month, 7:00 PM, W5ETX Repeater System

Tech Net: 2nd and 4th Thursday evenings, 7:00 PM, on the “96” repeater, (146.960 -136.5)

Two Meter Texas D-Star: Tuesday night, 8:00 PM, 147.120 Repeater and Reflector 4B. Statewide.

NCTC (North Central Texas Connection) Net – Thursdays evenings at 8:30PM on ETECS Repeater System:

Name	Output/Input	Location	Description
210	145.21 / 144.46	Tyler (EM22ii51)	ETECS primary repeater; used for nets & tactical operations; Note non-standard 750 kHz offset; Echo-link available as W5ETX-R
24	147.24 / 147.84	Red Springs (EM22jm39)	General purpose repeater
92	146.92 / 146.32	Rusk	General purpose repeater
62	146.62 / 146.02	Edom (EM22fi69)	General purpose repeater
04	147.04 / 147.64	Henderson (EM22od48)	General purpose repeater
33	145.33 / 144.73	City of Hideaway (EM22gl56)	General purpose repeater; Linked to K5TYR 147 repeater for Skywarn
38	147.38 / 147.98	Jacksonville (EM22lix70)	General purpose repeater
442	442.85 / 447.85	Athens (EM22be80)	General purpose repeater
443	443.25 / 447.25	Wills Point (EM22aq67)	General purpose repeater
14	147.14 / 147.74	Palestine	General purpose repeater; ID is W5DLC; Owned by PACARC; PL Tone 103.5

Articles - Submission

Tyler ARC members and other amateur radio operators not affiliated with the club are invited to submit articles for publication in **The Groundwire** dealing with amateur radio projects they have completed. This would also include any research being done in regards to amateur radio. Also, if there are any product reviews on amateur radio equipment such as HT radios, transceivers, power amps, test equipment, and antennas, they will be welcomed as well.

Articles submitted may be edited for content, grammar and length. It is requested articles be submitted by the 20th of each month. If an article is submitted after the 20th day of the month, it will be considered for publication for the current newsletter. Otherwise, it will be the following month it will be published.

ALL THAT IS REQUESTED IS TO KEEP THINGS CIVIL AND CLEAN.

Submit articles to: KG5LWD@yahoo.com

TYLER ARC CALENDAR

MARCH 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Smith County Ten Meter Net 8:00pm – 9:00pm	2 Two Meter Net 8:00pm – 9:00pm	3 Two Meter Texas D-Star: 8:00 PM	4 Texas DMR Net 7:30pm on Texas Digital Talk Group 3148	5 Shop Night 6 PM NCTC Net 8:30PM	6	7 Ham Class 2-4 pm Tyler Public Library
8 Smith County Ten Meter Net 8:00pm – 9:00pm	9 Two Meter Net 8:00pm – 9:00pm	10 Two Meter Texas D-Star: 8:00 PM	11 Texas DMR Net 7:30pm on Texas Digital Talk Group 3148	12 Tech Net 146.96 repeater 7:00pm – 8:00pm NCTC Net 8:30PM	13	14
15 W5YI Exam Session Red Cross Building on Rieck Rd 2:00pm – 3:00 PM Smith County Ten Meter Net 8:00pm – 9:00pm	16 Two Meter Net 8:00pm – 9:00pm	17 Two Meter Texas D-Star: 8:00 PM	18 Texas DMR Net 7:30pm on Texas Digital Talk Group 3148	19 SKYWARN TRAINING 7:00pm -9:00pm NCTC Net 8:30PM	20	21 Ham Class 2-4 pm Tyler Public Library
22 Smith County Ten Meter Net 8:00pm – 9:00pm	23 Two Meter Net 8:00pm – 9:00pm	24 Two Meter Texas D-Star: 8:00 PM	25 Texas DMR Net 7:30pm on Texas Digital Talk Group 3148	26 Tech Net 146.96 repeater 7:00pm – 8:00pm NCTC Net 8:30PM	27	28 Ham ‘n’ Eggs Happy’s Fish House 7:30am – 8:30am
29 Smith County Ten Meter Net 8:00pm – 9:00pm	30 ETECS Two Meter Net: 7:00 PM, W5ETX Repeater System Two Meter Net 8:00pm – 9:00pm	31 Two Meter Texas D-Star: 8:00 PM				29

MEMBERSHIP APPLICATION / RENEWAL FOR THE TYLER AMATEUR RADIO CLUB, INC.

I hereby apply for membership / renewal in the Tyler Amateur Radio Club. Single full membership: \$25.00, additional family members \$12.50 each. Single associate membership: \$25.00, additional family members \$12.50 each. Please print or type all information clearly. Dues are prorated by quarter for new members starting with June 1st. (June-Aug \$25.00, Sept-Nov \$20.00, Dec- Feb \$15.00, Mar-May \$7.50).

See club by-laws for definition of club membership.

Mail to:

Tyler Amateur Radio Club, Inc.
P.O. Box 6393
Tyler, Texas 75711

Name _____ Call Sign _____ DOB _____
Address _____
City _____ Zip _____ Class of License (if licensed) _____
Home Phone _____ E-Mail Address _____
Work Phone _____ Cell Phone _____

Additional Family Member (s):

Name _____ Call Sign _____ DOB _____
E-Mail address _____ Class of License (if licensed) _____
Work Phone _____ Cell Phone _____

Name _____ Call Sign _____ DOB _____
E-Mail address _____ Class of License (if licensed) _____
Work Phone _____ Cell Phone _____

Name _____ Call Sign _____ DOB _____
E-Mail address _____ Class of License (if licensed) _____
Work Phone _____ Cell Phone _____

Member of ARRL? Yes ___ No ___

Check what areas of amateur radio you are interested in:

VHF/UHF ___ HF ___ Packet ___ Satellite ___ SSTV ___ CW ___
Emergency Communications _____ Other _____

Do you currently receive the GroundWire newsletter via e-mail? Yes ___ No ___

If not, would like you like to be added to the mailing list?

Yes ___ No ___ Please star (*) any information that you do not want published in the club directory distributed to club members.