Anchorage Amateur Radio Club Newsletter

May General Meeting

SUSPENDED

Radio Science and Operations Center

6721 Raspberry Road

Anchorage, AK

Keep up with the AARC at www.kl7aa.org

AARC Changes in Response to COVID-19:

Meetings and Events

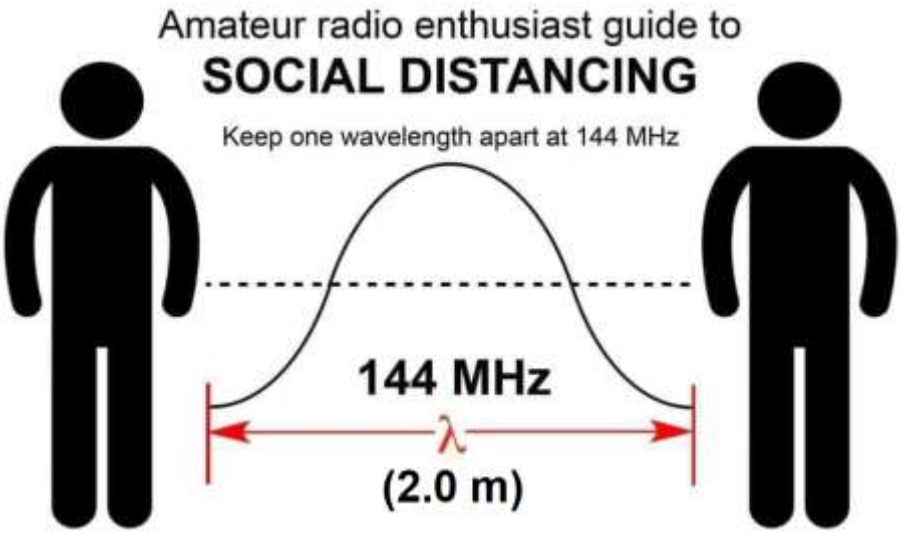
Effective 3/17/2020: Group activities at the RSOC have been suspended. This includes Working Wednesdays and Saturdays, board meetings, general membership meetings, finance meetings, development committee meetings, and group gatherings with outside entities that had been previously scheduled. Contact info@kl7aa.org with any questions.

THE MAY GENERAL MEETING IS CANCELLED

Update regarding public service events:

1. Walk and Ride for Hope—CANCELLED
2. Walk Around Lake Hood—CANCELLED
3. Gold Nugget Triathlon—Postponed. New date TBD
4. Diabetes Bike Ride Tour de Cure— Now Virtual Event
5. American Cancer Society Relay for Life—CANCELLED
6. RunFest—CANCELLED
7. Dog Jog– TBD

The status of these events listed above may change. Thank you for your patience and flexibility!



Update from Kent Petty on the Anchorage ARC VEC from April 15, 2020:

The Anchorage Amateur Radio Club (Anchorage ARC) Volunteer Examiner Coordinator (VEC) achieved multiple milestones today, April 15, 2020 when it administered a series of remote license examinations. First, two examinees were administered examinations **simultaneously** with our remote testing platform. Second, we administered two examinations **simultaneously to two examinees from separate testing venues**. Third, we scored our first **"Zero to Hero"** examinee via remote testing (walk in with no license and walk out as an Extra).

The AARC VEC has been running the only fully operational remote examination program in the country for several years. But most recently we ramped up operations to help deal with the COVID-19 crisis. As nearly all group examination sessions have been suspended around the country by the various VECs (including the Anchorage ARC VEC), the Anchorage ARC VEC opened up the opportunity to take remote examinations to virtually anyone that suffered the shutdown of other testing opportunities. To date, the Anchorage ARC VEC has had test requests in 33 states!

Today's first-ever multisite examination session involved one examinee in Massachusetts and one examinee in Texas. The six Volunteer Examiners (VEs) administering the session were located in Anchorage, AK (KL5T and KL7MM); Kill Devil Hills, NC (KN4EWI); Sealy, TX (W5AD), and Homer, AK (KL2T and AE7ES). There was a volunteer and vetted proctor at each test site. The session went off without a hitch with two new proud licensees when it was all said and done (one Technician and one General). We believe this testing session, that is, two separate examination sites simultaneously administered, to be a first for amateur radio examination administration.

Our new Extra Class amateur was happy to let us share his story for the day. Matthew Loschiavo of Houston, Texas was confident and had every intention of taking and passing all three examinations today. And sure enough, Matt sat down and plowed through his Technician, General, and Extra exams in one sitting (with no failures or reattempts) and walked out with an Extra class license. We had Matt's callsign within a half hour of finishing the examination session. We welcome newly licensed Amateur Extra Class licensee, Matthew Loschiavo, AG5YR, to our ranks!

For those unable to take their amateur radio examination due to the COVID-19 crisis, you may submit your application for remote testing with the Anchorage ARC VEC at: https://kl7aa.org/vec/remote-testing/

73,

Kent Petty, KL5T
Anchorage ARC VEC

ANCHORAGE AMATEUR RADIO CLUB

BOARD MEETING

February 18, 2020

Radio Science Operation Center (RSOC)

6721 Raspberry Road

Anchorage, AK

APPROVED

The meeting was called to order at 7:01 PM by President Lara Baker AL2R

A quorum was established.

BOARD MEMBERS PRESENT:

BOARD MEMBERS PRESENT VIA TELECONFERENCE:

Kent Petty KL5T, Lara Baker AL2R, Dave Webb N9AIG, Keith Clark KL7MM, Mathew Notte WL4DX, Richard Tweet KL2AZ, TJ Sheffield KL7TS, Walter Yankauskas KL7WY

GUESTS/NON-VOTING MEMBERS PRESENT VIA TELECONFERENCE:

Brandin Hess AL6I

NON-VOTING MEMBERS/GUESTS PRESENT:

EXCUSED BOARD MEMBERS:

Alice Baker KL2GD, Wigi Tozzi KL0R, John Lime III KL4OF, Matt Ostrander KL4QH, Rich Gillin AL4S

UNEXCUSED BOARD MEMBERS:

REQUEST FOR AGENDA ITEMS/CHANGE IN ORDER:

TIME CRITICAL ITEM(S):

None

REPORTS

VE PROGRAM

Brandin Hess AL6I indicated that he has received several requests across the country to do remote amateur radio testing. We are actively working to try to keep the number of applications down but because of the coronavirus demand currently is high for remote testing. Most remote testing requests are from the East Coast and in the lower 48; anyone who is an accredited VE and would like to assist Brandin AL6I, please contact him.

SECRETARY REPORT

The February 18th Board Meeting minutes were presented along with the General Membership meeting notes of March 5th. With minor corrections noted and made, a motion was made by Keith Clark KL7MM and seconded by Richard Tweet KL2AZ to accept the minutes as corrected. The motion carried unanimously.

TREASURER REPORT

Kent Petty KL5T will email Dave Webb N9AIG and TJ Sheffield KL7TS a balance sheet and a profit & loss report for the club. These reports will be generated for every board meeting. The club is solvent.

FINANCE COMMITTEE

Keith Clark KL7MM indicated that he continues to follow the restitution issue. We also continued to talk about doing a CD ladder. Our insurance is up to date. The airport lease has stayed the same and we have not experienced a rent increase.

GRANT REQUESTS

There were no grant requests this last period.

GAMING

Lara Baker AL2R indicated that we are continuing to look for someone to partner with and utilize our gaming permit.

BYLAWS COMMITTEE

Lara Baker AL2R indicated that there is no new work on bylaws. A signed and sealed bylaw still needs to be produced.

TRUSTEE REPORT

Keith Clark KL7MM indicated there was no activity this period. Dave Webb N9AIG indicated there were no requests to use the KL7G callsign. SHARES activity continues Wednesday mornings. Please remember that operating from the RSOC you should be using your own callsign unless it is a club sponsored event. Club sponsored events, the use of KL7AA is appropriate. Keith Clark KL7MM will need an electronic log of contacts when using the club call.

PROJECTS COMMITTEE

TJ Sheffield KL7TS indicated there will be numerous antenna projects in the spring and he also talked to a vendor regarding a shared apex loop which is receive only. Dave Webb N9AIG indicated that we have at least one UPS (3000VA) and a 100-amp power supply (PowerMax) that are exhibiting significant EMI/RFI interference with the SHARES net on Wednesday mornings. Dave has purchased and received both AC and DC filters that need to be installed on these devices. After installation of these filters we will determine the effectiveness by the waterfall display.

DEVELOPMENT COMMITTEE

Lara Baker AL2R indicated that the development committee continues, and they are trying to work grants. Grant possibilities are being tracked and we are up to date. Due dates for grants may be revised because of coronavirus impacts. Kent Petty KL5T and TJ Sheffield KL7TS went to a FEMA meeting and our club is in a report that will be reviewed favorably for future partnering with FEMA (possible grants). Kent Petty KL5T went on to say that the Civil Air Patrol, after having several visits to the RSOC, is excited to partner with us at the facility. There is a possibility of having a very mutually beneficial relationship between the two organizations. It is the sense of the board that we would welcome some type of partnership with the CAP.

BUILDING COMMITTEE

TJ Sheffield kl7TS indicated that he was over at the RSOC today and wiped down all the club computer keyboards and mice with a commercial disinfectant. TJ Sheffield KL7TS also did some housekeeping while at the RSOC and reported that room temperatures were holding as per thermostat setpoints. Everyone was reminded to wash your hands often as studies have shown this is half as effective as a true vaccine.

MEMBERSHIP COMMITTEE

Rich Gillin AL4S was not able to attend tonight.

EDUCATION COMMITTEE

Kent Petty KL5T is canceling the technician class that was planned for the end of the month. From a timing perspective, notice of future classes should be advertised at least two months before the class. David Stevens has requested a general license class and an effort will be made to hold this class when the “all clear” is given (coronavirus lockdown). Our participation in the homeschool fair is canceled because of the lockdown.

EQUIPMENT REPORT

TJ Sheffield KL7TS indicated that he and Dave Webb N9AIG are working up a protocol for coax testing. The club has significant donations of coax and the donated cable needs to be tested to determine its suitability for service.

EMCOMM

Kent Petty KL5T indicated as mentioned earlier that he and TJ Sheffield KL7TS attended the region 10 meeting. Kent mentioned that they met some interesting people and straightened out some misconceptions about amateur radio. Some of the individuals were from Washington DC and some were local. The club will be mentioned in the FEMA region 10 Annex. We did have a region 10 individual from FEMA (plus others from Washington DC) tour the RSOC and all were impressed with our facility.

OLD BUSINESS

01. Keith Clark KL7MM did not have a chance to work on the adopt a room spreadsheet. It was mentioned that Dave Webb N9AIG did adopt the kitchen area and also the hallway west of the operations area.

02. To date, we do not have a champion to do a Ham Fest. If we wait too long, we will miss out on free advertising in QST.

03. Craigslist item to sell: dishwasher – table until next month; we need a report from John Lime III KL4OF.

04. ASARA membership: TJ Sheffield KL7TS with Eric Cannon KL4VA have agreed to pay the membership fee and feel that it is important the club be involved in Alaska Search and Rescue Association. This is a commitment for the club to be involved not any specific individuals, but if there is a call out it would be expected that the club support the effort in some manner.

Kent Petty KL5T expressed a strong interest in getting involved; it would help the club in many ways. Lara Baker AL2R suggested that we get procedures and go boxes in place in order to support this organization. TJ Sheffield KL7TS indicated that with the fees that he and Eric are willing to contribute that we would sign up 19 individuals drawing first from ARES members. It is the opinion of the board that the AARC become a member of ASARA.

NEW BUSINESS

01. The April General Membership meeting is canceled.

02. Move "Bear Awareness" to May if we have a General Membership meeting.

03. Activities at the RSOC have been suspended and any visits to the RSOC must be coordinated through TJ Sheffield KL7TS. The following is a detailed communiqué:

The Governor has closed the schools, at least until March 30th. Both the State and Muni have declared an emergency and have closed public gathering places. As a group, our ham-radio population skews older, putting many of us at heightened risk.

With that in mind, we are closing the RSOC until the State of Alaska gives the all-clear.

That means:

1). Use the conference bridge for all Committee and Board Meetings. No in-person meetings until further notice.

2). Cancel Working Wednesday.

3). Cancel Working Saturday.

4). Cancel VE exam sessions.

5). SHARES Net: TJ Sheffield KL7TS can put out a signal on the 4.5, 5.4, 11.5 and 14 MHz frequencies at 500 watts, plus he can steer a SteppIR Yagi in the right direction. He can also send P4 messages as well.

6). South Central Simplex Net: Kent KL5T can operate 220 MHz from his car in Eagle River. Keith KL7MM can operate VHF / UHF FM from home. We can ask Craig KL4E to do the VHF / UHF SSB work, and/or Marc KL3WF to do the FM operation on 6m and 10m. TJ Sheffield KL7TS can do the 10m SSB and AM frequencies. There is nothing wrong with using a distributed Net Control protocol.

7). Ad-hoc visits to the RSOC: From time-to-time TJ Sheffield KL7TS (and others) will visit the RSOC to check on things. If TJ is going, he will make his travel schedule known, so he does not surprise anyone who may be there working (but were expecting social distancing).

TJ Sheffield KL7TS will routinely wipe down RSOC surfaces, but we must preserve our supply of disinfectant wipes and use them ONLY on keyboards and mice. TJ will provide a 9:1 bleach solution and rags for wiping down doorknobs, light switches, handrails, water faucets, toilet handles, etc. At present, bring your own rubber gloves to preserve the club's supply.

The above procedure will be adopted for the RSOC for the foreseeable future. Keith Clark KL7MM moved to accept the above and Richard Tweet KL2AZ seconded the motion. The procedure was passed unanimously with TJ Sheffield KL7TS abstaining (author of the document).

ADJOURNMENT

The meeting adjourned at 7:49 PM.

ABS Mast Experiment

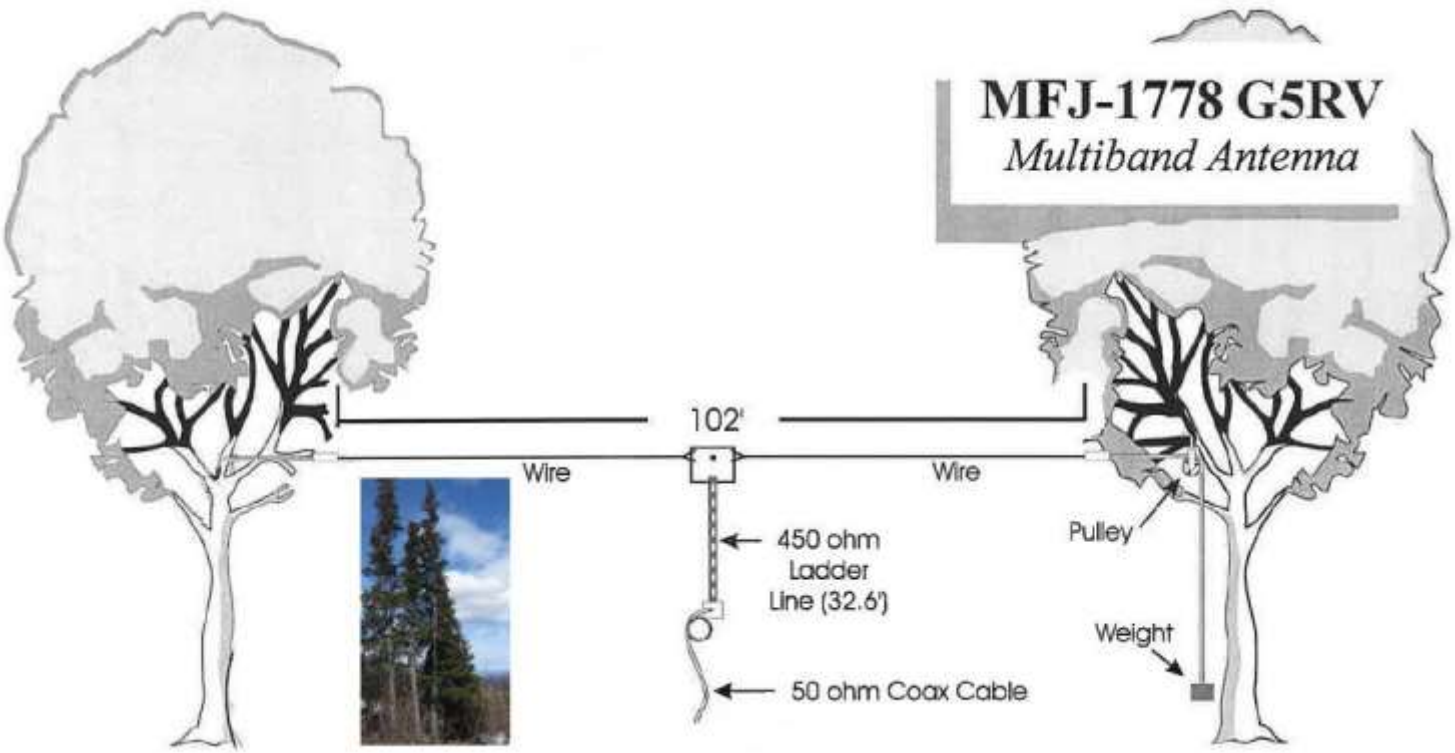
By Walter Yankauskas KL7WY

In the fall of 2018 I decided to experiment with constructing an antenna mast with ABS pipe. The saying is that “the only experiment that is a failure, is one where you don’t learn anything”. So my experiment was a complete success when the mast catastrophically collapsed.

Masts and Towers

First off, being a geek, I had to look up the difference between a mast and a tower. Basically, a tower is a structure that is way taller than it is wide. It is not intended to be used as a residence or an office. It is totally self supported. A mast is a tall narrow object that is guyed to keep it from swaying on its own. Like a ship mast. So I’m building a mast.

Whenever you look for an example of how to string a dipole antenna in a tree, they have these amazing fantasy trees that don’t exist. The trunk goes straight up. The first branch doesn’t come out until about 70 feet up, and is about 4 inches in diameter and sticks out to 10 or 15 feet away from the trunk and all you have to do is throw a line over that amazingly big branch and you’re all set to go.



The photo of actual spruce trees is actually larger than it should be to be in scale with the drawing. When they show off dipoles and masts, it’s kind of like at the RSOC. Relatively flat, with mowed grass as high as 2 or three inches.

Bear Valley

I'm located in Bear Valley, in the southeast corner of Anchorage, up the hill from Rabbit Creek Road. Bear Valley is in the "except" part of the weather forecast. When you listen, they will say something like "the winds will be light at 15 miles an hour from the East except 25 gusting to 45 along Turnagain Arm and the upper hillside".

I have scraggly spruce trees on my lot. Some of them are about 40 feet tall. The trees whip around in the wind. I used to have a wind sock, but the galvanized steel pipe mast broke along the threads (but it didn't have guy lines, so I guess it was really a tower.)

The terrain up here is steep and incredibly wet. Looking at a topographic map of the area, the contour lines are 80 feet apart. Just to the East of my house is a swamp symbol. In the immediate area where the swamp symbol is, I measured the distance between the contour lines. When I calculated the grade, it was between 13% and 18%.

The maximum grade for Federally funded highways is up to 6% generally allowed in mountainous areas and hilly urban areas. In my neighborhood, the feds put up a swamp symbol over an area that is twice as steep as they would allow to build a highway.

The other fun thing for putting up masts and dipoles is the ten foot high alders that shelter the five foot tall Devil's Club infestations. When you're dealing with Devil's Club, regular 3 for $10 work gloves don't hack it. Neither do heavy leather work gloves. They just trap the stinging barbs in the leather, so that when you put them on again months later, you get stung. The only thing that I found that works for handling Devil's Club is full blown heavy leather welding gloves.

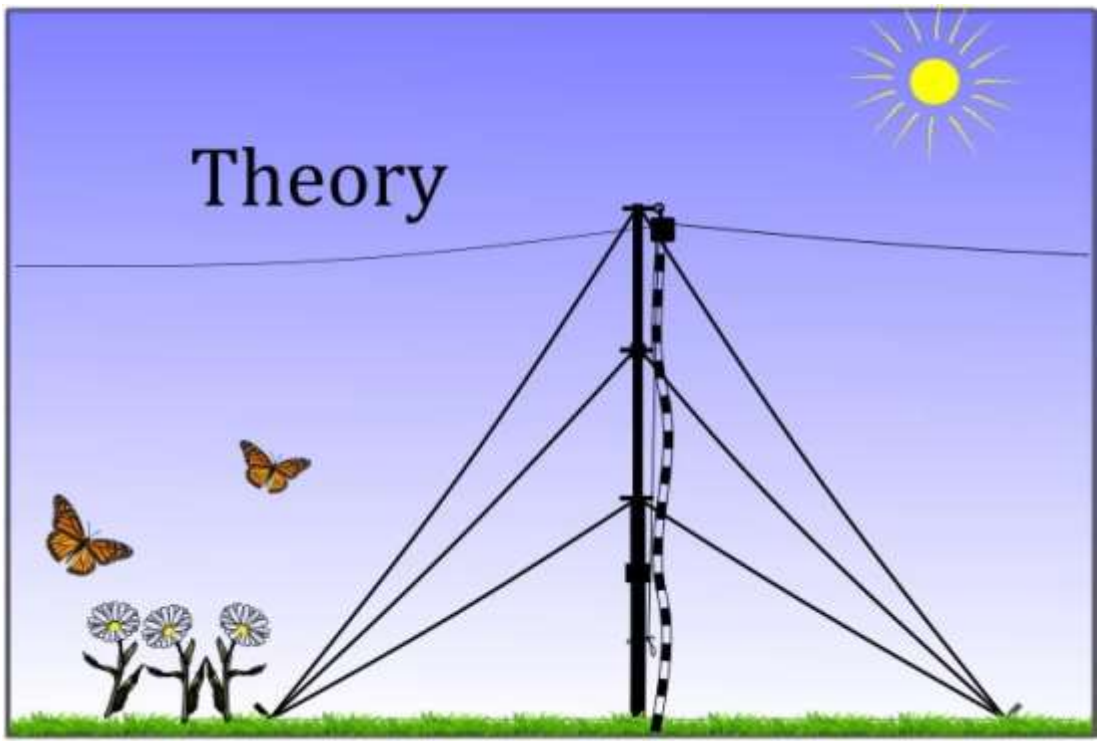
10% slope warning sign, Netherlands

7% descent warning sign, Finland

The Mast

ABS pipe is black, comes in ten foot sections, and is only about $15 a pop. I had done some projects with ½" and ¾" PVC pipe, so I figured that a larger diameter ABS pipe might work for a mast. The larger diameter makes the pipe stiffer.

I started with some 2 inch diameter ABS pipe. A ten foot section drooped a little bit when I held it in the middle. Attaching two of them together, the 20 foot assembly did droop, but didn't seem too noodly. I figured that when I guyed the middle it would be OK. For the base of the mast I used some 3 inch diameter pipe. The 3 inch pipe by itself didn't seem to bend on its own at all.
The next trick was to glue the pipe together. I had done lots of connections with ½" and ¾" PVC pipe. With ½" pipe, there is an area about inch and a half around by half an inch deep for the glue joint. You just push and twist the two parts together. With 3 inch pipe, there is about 9 inches around by an inch deep of glue area in the joint, significantly more glue and friction than the ½" pipe connections. Plus, the pipe is quite a bit bigger in diameter.



I can't palm a basketball, and I can't wrap one hand around a 3 inch diameter pipe. Plus you have to shove the parts together pretty hard to make sure that they bottom out fully in the connector. Did I also mention that the sections are ten feet long? Kind of hard to do solo. I finally figured out a system with some straps, 2x4s, a strap wrench, and something solid to brace the pipe against. With that, I could put a block of wood against the end of the pipe and beat on it with a dead blow hammer to seat the connection fully.

I wanted the mast to start out straight before I put it in the air, so I had to search for a while, looking for a straight, long place to put the mast while the cement cured. Someplace not in the driveway.
After a while I had a 30 foot long mast, two 2” sections connected to a 3” base pipe, I picked it up. Unbelievably noodly, magnitudes more noodly than a twenty foot section. Like the whole thing was made out of flexible plastic! It weighed less than 30 pounds, so with the exception of the Three Stooges effect of swinging it around anything breakable, it was easy to move around. In some cases it was easier to poke it though the alders, walk around the long way, and pull it through from the far side, rather than alder bash with a 30 foot mast.

I had cleared part of the area where I wanted to set up the mast. Now I had to figure out exactly where I was going to put it. In the beginning I thought about putting one of the guy ropes on a cardinal heading, or maybe putting a guy line going straight up the hill, or straight into the big winds, but nothing was ideal. I had one end of a dipole high up in a tree, but there wasn’t a straight shot to anywhere good that I could use. The area that was open and far enough away for half a dipole was limited. I have some downed spruce tree trunks that I can use for anchors.

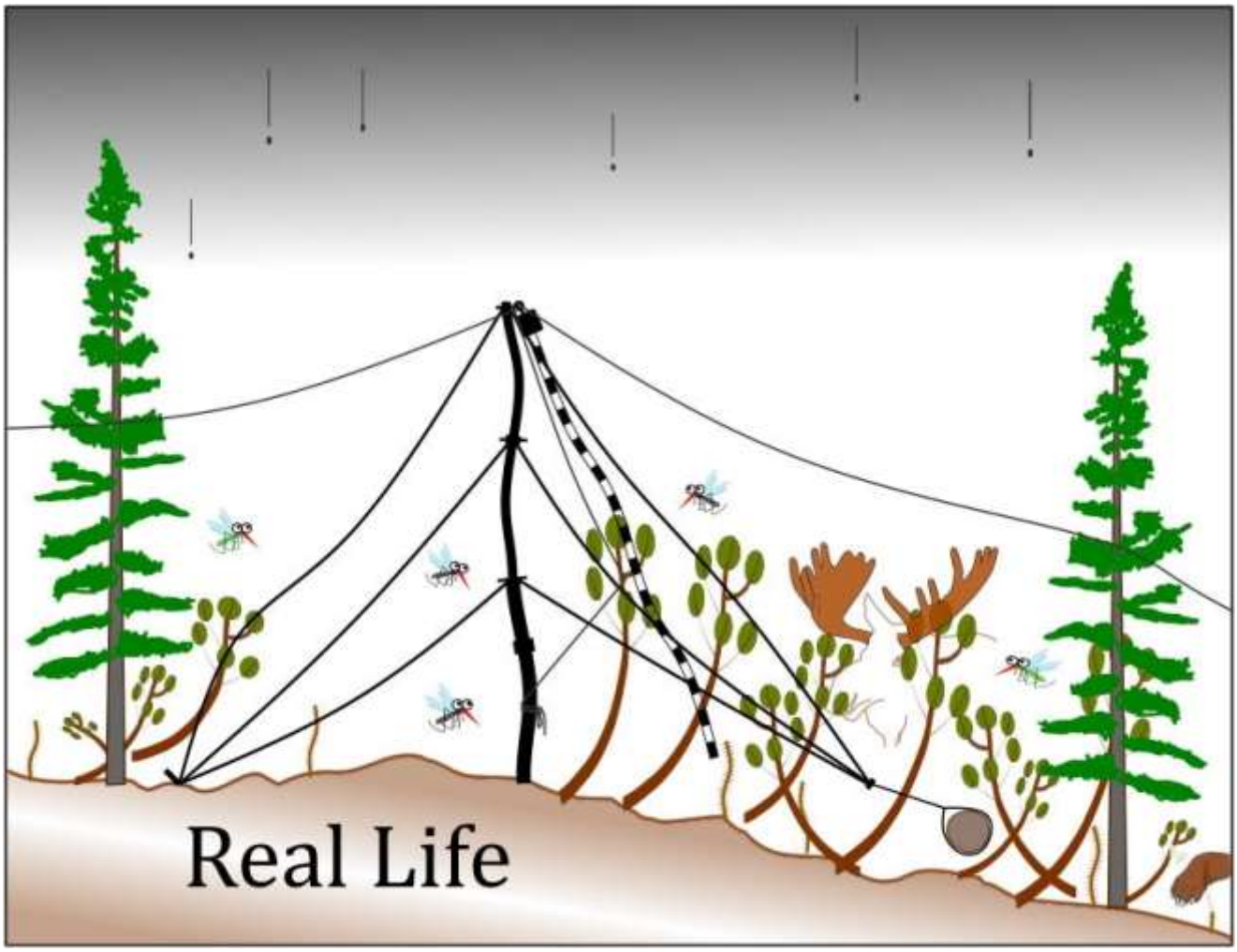
The 120 degree spacing was driving me nuts. I’d aim a guy line at a good anchor, and the other two lines would conflict with something. I’d move the base 5 feet in another direction, and aim a guy line at an open area, and nothing else would line up. After much trial and error, I found a spot for the mast. I’d only have to clear out a twenty foot long by eight foot wide section for the guy lines.
I had a 35 foot tall ABS mast, with a 15 foot base of 3 inch diameter pipe with 20 feet of 2 inch pipe on top.

I figured out the guy line lengths for 15, 25, and 35 foot high attach points, and a 70 foot long halyard to hoist the middle of the dipole up to the top.

Did I mention that this was on a hill? I measured out from the mast about 25 feet for the anchor for the guy lines. On the West, downhill side, the anchor point was about 5 feet lower than the bottom of the mast. Of course, all three guy lines on that side were too short. I was able to loop a galvanized steel cable around a downed spruce tree and attach it to a thick steel perforated strap that had large smooth holes in it for the guy lines. Unfortunately it was almost out of reach. I’d have to pull all three guy lines down, and bend the mast a bit to adjust the guy lines, release them, and see if the adjustment was good. What fun.

I tried, and tried to tip the mast up by myself. I could pick it up with one arm, but I couldn’t tip it up at all. I was able to brace the bottom against a tree stump, and push up against it. I just managed to create a 35 foot long arch that went up maybe 12 feet high in the middle. Guy lines tied to the top of the mast wrapped themselves around alder and Devils’s Club stumps. As the mast was waving around in the air, guy lines got tangled up in a spruce tree. I tried tightening some guy lines, hoping that it would get the top into the air, but they all drooped lower than the mast and ended up guying the top of the mast down to the ground.

The next day I got some help from my friend Lenny. With two of us pushing as hard as we could, braced against the stump, we managed to get the end of the mast almost 3 feet off the ground. Kind of like those fly fishing ads where the pole is arched way over with the tip almost touching the water, except we were not smiling, and we didn't have any fresh fish for dinner. That afternoon was a lot of work. Period. Sweat, mosquitos, and frustration. We didn't get the mast up.



The next day I got the big step ladder and the slingshot. I put a new guy line up into the tree, using it as a high line to get the top of the mast up first. Then we could walk the rest of the mast under it. After an hour or so, and many tries, the mast was up.

Once the top of the mast was in the air, I could pick up the mast and move the base where I wanted. I just needed some slack in the guy lines. I could move it if it was horizontal, or vertical. I just couldn't move it from horizontal to vertical.

The mast was not really straight, but at least it was mostly vertical. Actually it was a strange 3-D corkscrew kind of shape. This is when some of the optical illusions kicked in. The scraggly spruce trees. Black mast with diagonal black guy lines. Stand near the mast and look up. The mast is wiggly, with 9 guy lines and the two lines for the halyard. Nothing straight and vertical anywhere near it to even tell if we're within 15 degrees of vertical. Shift positions to one of the guy line anchors. Looks funky. Go to another anchor. Now it looks like it's mostly leaning in a different direction than it looked at the first anchor. Go to the third anchor, and now I have even less of an idea of which way it's leaning than when I started.

I finally decide to loosen the guy line at the 25 foot level on the east anchor. It's obviously too tight, and loosening it will definitely help. I go that guy line, and it's slack. Only the weight of the guy line pulling on the mast. What the heck?

After futzing with the guy lines for a long time, using a level on the mast, and letting the halyard hang free as a plumb line, I got the mast looking OK. I hoisted my dipole up, and everything was working.

A week or so later, it got a little windy. Only gusting into the upper 30s. From my office window things looked OK. I can't see the mast through the trees from my office, but the horizontal dipole looks like it's heading in the right direction. Later on I walked out in the rain to take a closer look. Something is not right. The antenna coax and ladder line are wrapped up in two different trees and some alders. Almost every guy line seem to be loose. How could all the guy lines be loose? Hmmmm. Why is the cleat for the halyard 18" off the ground? It was at least waist high two days ago. Hmmm. Just for the heck of it, let me lift up the mast. What the heck? The weight of the mast, the guy lines and wind jiggling made the mast sink into the peaty soil close to 18" deep.

During the setup and adjusting the guy lines, it hadn't sunk in more than two inches. I'm not about to dig a refrigerator sized hole full of rebar and concrete for a base, so I'll come up with something else. I ended up with a length of 2×8 treated lumber, cut an arc out of the middle, and hose clamped an "L" bracket to the mast. I put the board parallel to the slope and tried to straighten the mast with the guy lines again. After too much fighting with the 120 degree angles, I decided to add some more guy lines to the lower sections and make them 90 degrees apart.

At the 25 foot level I was able to create a big loop above all of the 25 foot guy lines. I created a noose, and with some tugging and poking with some 10 foot sticks, was able to tighten the noose at the 25 foot level. With 4 sets of guy lines at 90 degree angles it was a lot simpler to get the mast adjusted, but it still had a genetic disposition to curve. I did the best I could to get it to an acceptable state. After all, this is an experiment.

In November, we got some medium wind. It was steady in the 40s with gusts into the 50s, and it was below freezing. As I was heading down the driveway the next day, I looked over at the mast, and it wasn't there. I walked down into the clearing, and it was obvious that the mast had catastrophically broken, into three pieces. Three pieces!

The 2006 Ig Nobel Prize Winners

PHYSICS: Basile Audoly and Sebastien Neukirch of the Université Pierre et Marie Curie, in Paris, for their insights into why, when you bend dry spaghetti, it often breaks into more than two pieces.

How bent spaghetti break

B. Audoly, S. Neukirch
Bent dry spaghetti do not break in half but instead in three or more pieces. With the aim to explain this surprising phenomenon, we studied a related problem, namely the dynamics of an elastic rod that is bent quasi-statically and then suddenly set free. Counter-intuitively, we find that the mere release of the rod induces a stress increase. The multiple breaking of bent rods, like dry spaghetti pasta, can then be understood as a cascade of releases (loss of cohesion upon breakings) followed by stress increases leading to new cracks.

Maybe that's why my mast broke into three pieces. That's my story, and I'm sticking to it.

Walter Yankauskas – KL7WY

Postcard from Grand Island Nebraska, of the FCC Monitoring Station from the 1940s

Have you signed up to support YOUR Radio Club?

Here are two ways you can help fund our Anchorage Amateur Radio Club. Both are really easy on your part. Please consider doing both options, if you haven't signed up, please do.

Fred Meyer will give us money!

All you have to do is shop there and sign up AARC as your non-profit beneficiary. Once you sign up, a portion of every purchase you make is donated to AARC. There is no increase to you for your purchase by declaring AARC as your beneficiary. Currently there are three individuals signed up for this worthy cause. Let's see if we can make it 100%.

You still earn your Rewards points, Fuel Points, and Rebates just as you do today.

The AARC's Fred Meyer non-profit number is UB064.

If you don't have a Fred Meyer Reward Card, they are available at their service desk.

Tell your family, friends and neighbors about this opportunity too.

(Fred Meyer can be done via Internet)

Amazon Smile will give us money!

If you do shopping on-line at Amazon, you can designate AARC as your charitable organization. Amazon will donate 0.5% of your purchase to AARC. Log-on to:

https://smile.amazon.com/ch/23-7225693

For more information.

AARC is Accepting Credit Cards!

AARC can accept your credit card for payment of dues and donations. See Kent Petty KL5T at the next club meeting, club working Wednesdays or Board meetings.

Now may be the time to renew your membership; don't forget!

Thanks Kent KL5T, for setting this up!!

—KEEP IN MIND FOR THE FUTURE—

Monthly Events

1st Thursday each month: AARC general meeting - **7:00 PM** in the Radio Science and Operations Center (RSOC) Building at 6721 Raspberry Road, Anchorage. Talk in will be on 147.34/94 repeater or 146.49 Anchorage simplex talk frequency.

1st Thursday each month: Moosehorn Amateur Radio Club General meeting - **7:00 PM** Location changes, contact George Van Lone KL7AN donnav@acsalaska.net for information . Call for directions on 146.88 repeater (no tone). Moosehorn ARC also holds a weekly luncheon every Thursday, locations and times change, contact George Van Lone, KL7AN: donnav@acsalaska.net

2nd Saturday each month: PARKA (Polar Amateur Radio Klub of Alaska) Meeting at 11:00 AM. Polar Amateur Radio Klub of Alaska. All amateurs welcome. Some business is discussed. Originally established as an all woman organization, membership now includes spouses or significant others. Talk in on 147.30+.

2nd Saturday each month (except for holidays): VE License Exams at 2:00 PM. at the RSOC, 6721 Raspberry Road. Be sure to bring a government issued photo ID, a copy of your current license (if any) and any Certificates of Successful Completion of Examination (CSCE). Contact: Lara Baker, AL2R (president@kl7aa.org)

3rd Tuesday each month: AARC Board Meeting at 7:00 PM at the Radio Science and Operations (RSOC) building. All members are invited and encouraged to attend.

1st Tuesday of each month: EARS general meeting at 6:00 PM. EARS meetings are held at the EARS shack location. Contact info - Pete Pritchard KL7IS for more information (email president@kl7air.us) EARS: 552-2664 (recording); Talk in on 146.67-. Email: club@KL7air.us or Ron Keech KL7YK (Station Manager) kl7yk@arrl.net

4th Saturday of each month: Valley VE Testing at 7:00 PM. Sessions will be held at the Red Cross Office at 7 pm on the fourth Saturday of each month unless it is a major holiday weekend. Contact Ken Hudson, KL2HF, Kenputer@hotmail.com or 907-354-0206.

The last Friday each month: MARA meeting at 7:00 PM, St. Johns Lutheran Church Basement. Talk-in help for the meeting can be acquired on the 147.33 repeater. Further details can be found by contacting Don Bush, KL7JFT, dbush@gci.net.

Active Nets in Alaska

VHF NETS

The local VHF Nets have a Packet side as well. Look for 2 meter Packet at 145.01 (Eagle) and 147.96 (Valley). The Eagle and Valley nodes provide a talk" or chat function. Also, if you are unable to connect directly to one of the nodes, try digipeating through EARS on either frequency. Do this by typing ***c eagle v ears*** or ***c valley v ears*** on the appropriate frequency. Check www.KL7AIR.us for more information on the digipeaters.

ARES Net: 147.33 w/ 103.5Hz tone (Backup 147.30 w/ 141.3Hz tone) —Thursdays at 8:00PM

No Name Net: 146.43 simplex—Sundays 8:00PM

South Central Simplex Net: Meets on 146.52 FM then shifts to 144.2 USB, 446.0 FM, 432.2 USB, 223.5 FM, 927.5FM, 1294.5 FM, 52.525 FM, 50.125 USB, 29.6 FDM, 28.4 USB, 145.01 Packet (Eagle Node), 147.96 Packet (Valley Node) - Wednesdays 8:00PM

Alaska VHF Up Net: 144.200 USB—Saturdays 9:30 AM

Alaska Morning Net: The Alaska Morning Net is held Monday through Saturday from 9:00 AM—11:00 AM on the IRLP Reflector 9109. This net can be reached via several hosting nodes in the area. Please visit www.status.irlp.net/index.php?PSTART=2&mode=3 to find the closest node. Also the net can be reached via EchoLink on 9191 (WL7LP-R) and Allstar nodes 27133 and 29332. The Alaska Statewide ARES net is held on Thursday evenings at 8:30pm (following the Anchorage ARES net) at the same locations and also the 8:30pm Sunday evening Alaska Statewide Radio Link.

HF Nets

Alaska Snipers Net: 3.920 MHz 6:00pm daily

Alaska Bush Net: 7.093 MHz 8:00pm daily

Alaska Motley Net: 3.933 MHz 9:00pm daily

ACWN (Alaska CW Net): 3540 kHz, 7042 kHz, 14050 kHz Non-directed, CW calling and traffic watch for relaying NTS of other written traffic. AL7N monitors continuously receivers always on WL2K. (RMS connection available— AL7N@winlink.org)

Alaska Pacific Emergency Preparedness Net: 14.292 MHz 8:30am M-F

ERC HF Net: 3.880 MHz 8:30pm Sundays

DATA YOU CAN USE				
Frequency	**Tone**	**Callsign**	**Features**	**Area**
147.18-	88.5	ADES		JBER
146.88-	no tone	AL7LE	Phone patch	Kenai/Soldotna
146.82-	103.5	WL7CWE	IRLP	Anchorage
146.76-	123.0	KL3K	IRLP	Seward
146.94-	103.5	KL7AA		Anchorage, Wasilla, Northern Kenai
224.94-	no tone	KL7AA		Anchorage, Wasilla, Northern Kenai
444.70+	103.5	KL7AA		Anchorage, Wasilla, Northern Kenai
146.67-	103.5	KL7AIR	MARS station	Anchorage & Highway N
147.30+	141.3	KL7ION		Anchorage, Wasilla, Northern Kenai
146.85-	103.5	KL7JFU	Cross Banded to 444.600	Mat Valley
444.6+	103.5	KL7JFU	Cross Banded to 146.85	Mat Valley
146.91-	no tone	KL7PM		Homer
147.15+	107.2	NL7S		Wasilla
147.84-	103.5	WL7CWE		Wasilla repeater
147.33+	103.5	WL7CWF	Cross linked to 443.900	Very Wide Area
443.900+	103.5	WL7CWF	Cross linked to 147.33	Very Wide Area

South Central Area Simplex Frequencies	
146.52	National Calling and Emergency Frequency
147.57	DX Spotting Frequency
146.49	Anchorage Area Simplex Chat
146.43	Mat-Su Valley Simplex Chat
147.42	Kenai Peninsula Simplex Chat

.

WinLink Information		
144.91	WL7CVG-10	Anchorage Area RMS, 1200 baud
145.19	KL7JFT-10	Palmer/Mat-Su RMS
144.91	WL7CVG-4	South Central Digipeater, 1200 baud
144.97	KL7AA-10	Anchorage Area RMS, 1200 baud
223.66	WL7CVG-10	Anchorage Area RMS, 9600 baud
441.175	WL7CVG-10	Anchorage Area RMS, 9600 baud

If you have anything you'd like included in the next newsletter such as items for sale, articles, questions, etc. email *editor@kl7aa.org*

AARC BOARD/Officers and Directors

President 2020	Lara Baker AL2R	president@kl7aa.org
Vice-President 2021	T.J. Sheffield KL7TS	vicepresident@kl7aa.org
Treasurer 2021	Kent Petty KL5T	treasurer@kl7aa.org
Secretary 2020	Dave Webb N9AIG	secretary@kl7aa.org
Board 2019		
Board 2020	Alice Baker KL2GD	Alice.baker@kl7aa.org
Board 2020	Wigi Tozzi KL0R	Wigi.Tozzi@kl7aa.org
Board 2020	Mathew Notte WL4DX	notte142@gmail.com
Board 2021	John Lime KL4OF	
Board 2021	Richard Tweet KL2AZ	kl2az@kl7aa.org
Board 2021	Keith Clark KL7MM	trustee@kl7aa.org
Board 2022	Walter Yankauskas KL7WY	
Board 2022	Matt Ostrander KL4QH	kl4qh@kl7aa.org
Board 2022	Rich Gillin AL4S	Rich.gillin@kl7aa.org

AARC FUNCTIONAL MANAGERS

APRS	Kevin Opalka KL2NV	
Activities	VACANT	activities@kl7aa.org
Trustee	Keith Clark KL7MM	trustee@kl7aa.org
Newsletter Editor	Morgan Schoenecker KG7SEQ	editor@kl7aa.org
Membership	Rich Gillin AL4S	membership@kl7aa.org
VE Testing	Kent Petty KL5T	ve@kl7aa.org
Webmaster	Rich Gillin AL4S	webmaster@kl7aa.org
Internet/Network	Rich Gillin AL4S	ip@kl7aa.org
MESH Network	Kent Petty KL5T	mesh@kl7aa.org

Support Amateur Radio in Anchorage, Alaska

Donate online or mail this coupon to AARC, PO Box 190192, Anchorage, AK 99519

Online donation is convenient and secure at https://kl7aa.org/ , select donations at the top right of the home page.

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____

Email address: _____

☐ I want to make a one-time general donation

☐ $25 ☐ $50 ☐ $75 ☐ $100 ☐ $250 ☐ $_____

☐ I want to make regular monthly donations. *Thank you for your ongoing support! Indicate the monthly amount:*

☐ $25 ☐ $50 ☐ $75 ☐ $100 ☐ $250 ☐ $_____

☐ I want to sponsor a specific project/program.
Sponsorships are $25 monthly

☐ Please send me a supply of donation envelopes

☐ Please charge my credit card below

Why donate? The Anchorage Amateur Radio Club is a nonprofit organization (501C3) that supports community program communications such as the Anchorage RunFest, Walk and Roll for Hope, the Dog Jog, Tour de Cure, Alaska Run for Women, The Women's Gold Nugget Triathlon and Team Rubicon. We also periodically practice our emergency communication skills in case of a major disaster such as an earthquake. Our equipment is both battery and generator backed up. We are run only by donations and volunteers. Please donate to this worthy organization.

Total donation:$_____

☐ Check or money order enclosed

☐ VISA ☐ MasterCard Exp:_____ CVV code:_____

Account # _____

Signature: _____

☐ I would like to be kept up to date on AARC activities; please send me your monthly newsletter