

# Anchorage Amateur Radio Club



## Anchorage Amateur Radio Club

### General Meeting

**Carr-Gottstein Building  
Alaska Pacific University**

**June 5, 2015**

**7:00 PM**

**Dave Heimke, AL7LO  
Field Day Plans**



### Meeting Reminders:

**There will be no AARC General Meeting on July 3rd — because of conflict with the July 4th Holiday.**

**There will also be no AARC Board Meeting on June 16th.**

### KL7AA Field Day Announcement for 2015

QST:

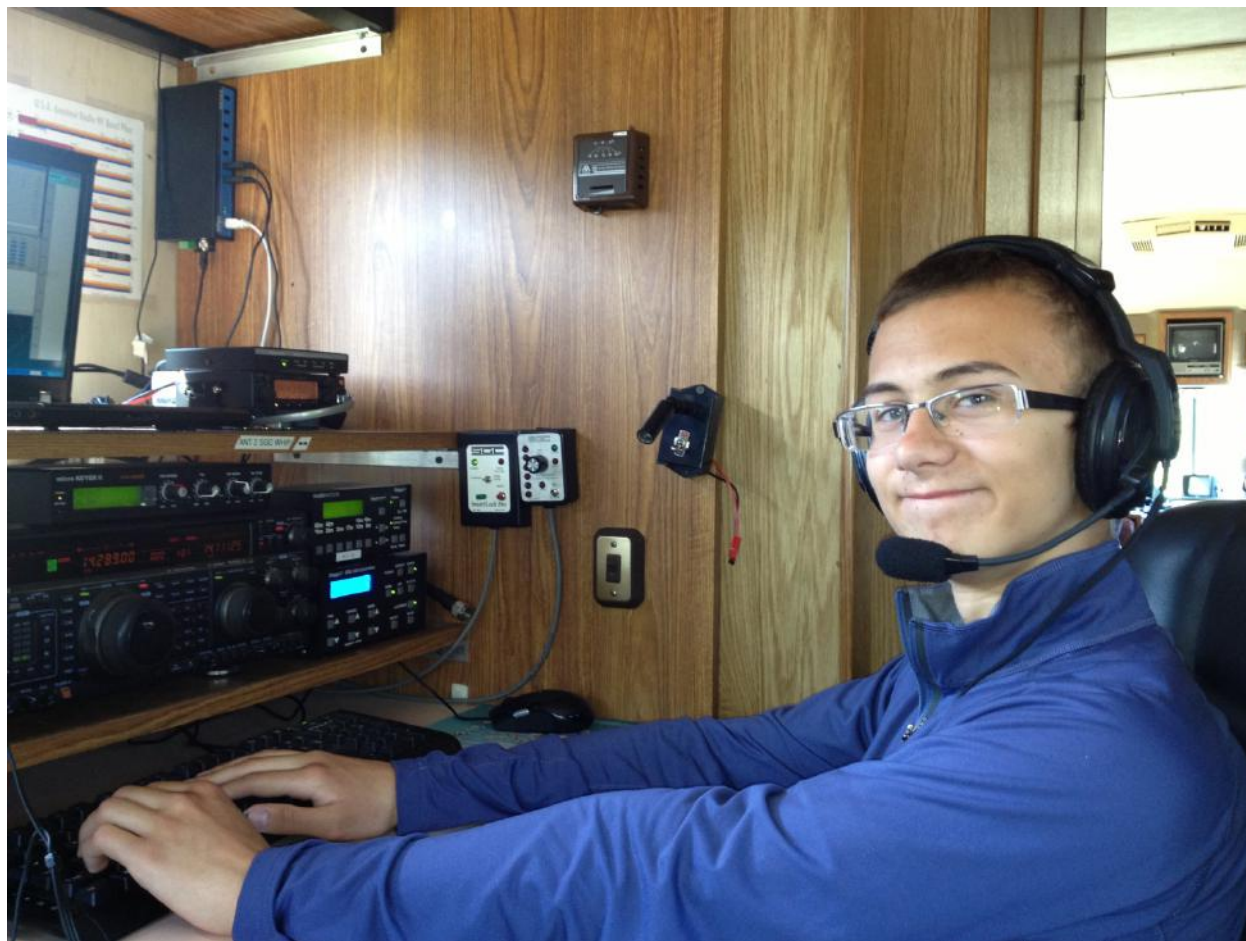
The club will again be sponsoring a Field Day event, with an exciting twist. We will be setting up at the old FCC facility at 6721 Raspberry Road this year. More on that later, so keep reading!

What is Field Day? From the ARRL website is a well written summary:

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

## THE AARC ANTENNA



It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as to the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions. We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called “hams”) are well known for our communications support in real disaster and post-disaster situations. What is the objective of Field Day? Officially, again from the ARRL website:

To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than opti-

## THE AARC ANTENNA

mal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

As noted above, we have a change of venue this year. Instead of operating in the Kincaid park area we are going to set the club station up at the old FCC facility. This has some positives, one is that we are hoping for a bit more public exposure to show off amateur radio and the club's abilities for emergency communications (Pete KL2GY is enticing some assemblypersons and Richard KL2AZ is bringing by airport management).



We also hope to exhibit digital operations to entice some of the potential younger visitors so they maybe can “get the bug”.



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On the other hand, this year we will not be able to diversify operations quite as well as in the past where two stations could run simultaneously on the same band. We are limited this year to the area in and around the fence.

But with that, it may be a wonderful opportunity to brush up on our RF filtering skills! Remember, a big part of the fun is to set up and use our club assets. And with that comes all those issues of power cabling, antenna hoisting, transmission lines, operating stations, computers for logging and operating, and loads more.

The club website is up to date with the location <http://kl7aa.net/fieldday.htm> and you can also find the site on the [www.arrl.org](http://www.arrl.org) Field Day locator.

If you are interested in volunteering to help, believe me when I say we will be happy to have your assistance, in any way, shape, or form. Setting up, testing, operating any modes and any times, manning a public service booth, tearing down are all open for help. Please contact me at [al7lo@arrl.net](mailto:al7lo@arrl.net).

If you have questions or want to learn more, this Friday's June general membership meeting will be focused on what activities we have. Please join us!

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### Question from Adam Booth, KL3TX

On 5/6/2015 5:56 PM, Adam Booth wrote:  
Hello All,

I am curious how "Working Wednesdays" well... work. Are they on a specific Wednesday of each month or every Wednesday?

I have a Buddistick that is incredibly finicky to tune without an antenna analyzer (which I don't have) so I was hoping to bring it by the clubhouse sometime and maybe borrow an analyzer so I can tap the coil in the specific points I need for the bands I'm interested in. I also need the analyzer to determine and mark my counterpoise lengths. I have also never been to the club house so it would be interesting to check out.

So far I have been tuning by ear and that has worked just okay, I would like to get it tuned to right where it needs to be for maximum efficiency. I made my first contact yesterday evening to Japan over CW and I am absolutely hooked.

Thanks and take care!

Adam Booth  
KL3TX

### Answer from Jim Wley, KL7CC

Editor's Note: Jim wanted to be sure that everyone understood this answer is to a specific question and doesn't apply to all cases.

Adam -

Just a few follow up notes concerning antennas, and the Buddistick (or Buddipole) in particular. While it is true that you can develop some useful information about adjustments to the antenna by making note of parameters such as coil tap positions, those measurements and notes will only be repeatable if the exact same conditions are repeated at another location, which may be somewhat of a crap-shoot. Taking measurements and counting coil taps will get you "in the ballpark" as a starting point, differences in ground performance and other local variables will almost certainly require additional adjustment when you get to a final operating location.

That is not all a bad thing, if you understand how to compensate for these differences. First thing to remember is that any type of loaded (shortened) antenna will have a narrower operating bandwidth and

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efficiency that of a "full size" antenna. Next, and again I stress this point, SWR in and of itself is not particularly important, as long as you can achieve a "match" at the transmitter output connection.

Following that, keep in mind that reducing SWR below a certain point is somewhat of an exercise in futility. As a rule if you can reach an indicated SWR of less than 2:1 you are good to go. Reducing SWR below that value may make you feel good, but it will do little to improve your outgoing signal.

I mentioned that any shortened antenna will experience a reduced operating bandwidth. What does this mean? It simply means that you will need to re-tune the antenna system more frequently as you change frequencies within a band, and in some cases that retuning may be required fairly often. So, the question becomes how do you tell when those limits have been reached, or exceeded? Here is where some basic instrumentation becomes useful.

First consideration: Your transmitter probably has a solid-state final amplifier stage, which means it is designed to match a 50-ohm antenna, and that it is not adjustable. No problem, but you need to be ready to deal with conditions that are not "perfect", and so some sort of adjustable matching system is called for.

Second consideration: You are talking about a "Buddipole" antenna, which is basically an antenna with several "tap" points that can be selected for various HF amateur bands. It is usually erected in the dipole configuration (which by the way is more accurately called a "doublet" antenna), but can be assembled as a vertical monopole antenna by using only one half of the kit (thus becoming a Buddistick). Tuning the antenna is accomplished by selecting tap points on the included "loading" coils.

Third consideration: You are mostly interested in HF operations. While the Buddistick / Buddipole antenna can operate on the 6 and 2 meter bands, tuning and adjustment for those bands are a different game altogether.

So, given all of the above, let's concentrate on HF operation. While a Buddistick / Buddipole antenna can be erected so it is relatively high (70 feet or more) above ground, it more commonly is set up fairly close to the Earth, meaning anywhere from 5 to 20 feet above ground. This low mounting configuration creates two significant effects: (1) the radiation resistance and thus the tuning point where it is "matched" to the transmitter will fluctuate quite a bit depending on actual height above ground, and (2) for almost all HF bands, the radiation will be virtually straight up. This second thing is not all bad, and in fact can be quite beneficial, depending on what you are attempting to accomplish.

However, the antenna can be tilted so one end is higher (or lower) than the other, and depending on the degree of tilt, the main lobe of signal radiation can be aimed more toward the horizon than the zenith. Again, the degree of tilt will affect the tuning of the system. Low angle signals are more effective in contacting distant stations, particularly on the 20-meter and higher

frequency bands.

The "high angle" radiation is useful if you are attempting to reach close-in stations (stations within Alaska) on the 80-meter and 40-meter bands. The radiation goes essentially straight up until it encounters the ionosphere, at which point it is reflected fairly uniformly to all stations that are within a circular radius of perhaps 500 to 700 miles. This is exactly what you want for participation in a local area traffic net or for area-wide disaster relief type communications.

So, somewhere in here you need to consider some sort of instrumentation. There are three types of instruments that will be of use here. They are: (1) A "SWR Bridge". This is a relatively simple and inexpensive instrument that will give you an indication of forward and reflected power. Such an instrument will do the job, but it requires frequent readjustment as you change bands or even frequencies within a band. (2) A directional wattmeter. This instrument can be built with either a single meter or a dual meter that allows simultaneous observation of both forward and reflected power. The dual meter version is much easier to use, and is recommended. Among other things, it is relatively immune from frequency vs. sensitivity issues. (3) An antenna analyzer. This instrument gives the most comprehensive information, but has the disadvantage of requiring that the antenna be disconnected from the transmitter and connected to the analyzer each and every time it is used, and then at the conclusion of a measurement the process much be reversed, and unless you are using an external power source, the analyzer will "eat" batteries fairly quickly.

The first two instruments are intended to be left connected to the feed line between the transmitter and antenna, and can be used while transmitting a signal, and thus are much easier to use in every-day operation. They are also self-powered, and do not require batteries.

It is very possible to home-build (construct the devices yourself) either the SWR meter or the directional wattmeter.

The third device, the antenna analyzer, is probably beyond the skill level of even fairly advanced amateurs. Not to say that you could never build one, but it is not easy, and calibration could be a problem.

All of these instruments can be purchased completely assembled and ready to use. There is even a very well-engineered kit that combines an automatically ranging wattmeter and SWR bridge in one instrument. It is, however, not cheap (\$100.00). But, it is a very good instrument, and an easy to build "one evening" kit. I have one.

But, if you are like most of us, there is satisfaction in building some of your own station apparatus from parts you have gathered, and the cost is obviously much less. If you are interested in the "build it yourself" approach, let me know. I have most if not all of the parts (and tools) you will need; All you have to do is invest some time and a bit of thought. As it turns out, I happen to have an ample supply of small panel meters that can be used, and they even

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have the appropriate dial scales already in place.

I hope this has been helpful, and as I said before, this only touches the surface of the subject. But, if you want to know more, you can contact me and we can continue the discussion. I can be reached as [VE@kl7aa.net](mailto:VE@kl7aa.net) or [kl7cc@arrl.net](mailto:kl7cc@arrl.net)

Once you have some instrumentation in hand, then you can think about how you are going to make some sort of adjustable "antenna tuner". It is true that you can do without one and just do the matching by fiddling with coil taps, but trust me, that soon gets pretty old pretty fast.

Here is something to think about: it does not matter where the "antenna tuning" is done, as long as the eventual result makes for an antenna that can accept forward power from the transmitter while minimizing reflected power. All the tuning can be done at one place, or it can be distributed between two (or more) places. The final result will be the same.

What that means is that you can use the coil taps on the antenna to get "close" and make the final adjustments via some sort of antenna tuner (also called an antenna coupler). Like the SWR meter and dual-wattmeter referred to previously, these components can be purchased completely assembled and ready to use, or built yourself from off the shelf components. Again, I have most if not all of the needed parts in my "junk box".

73

Jim, KL7CC

### New Appointment for Ken Perry, AL7GA

I just received the appointment of ARRL DXCC Card Checker for Alaska. As you may be aware we have been without one for some time, and I anticipate there may be many who have been waiting for someone to verify their QSLs. Please give me a couple of weeks to get up to speed with all of the regulations before arranging for your audits. After that you can arrange to bring them to me at your convenience (or mail them if you wish). I will also be making every effort to get to the various hamfests to help.

My home address for evenings and weekends (and mail) is 3420 Cherry St Anchorage 99504. During week days you are welcome to come by my office at Pied Piper Pest Control 2440 E 88th Ave Suite A. It would be wise to call ahead as I am still a working man.

Ken Perry, AL7GA

Kenneth J (Ken) Perry [mail@AlaskaPest.com](mailto:mail@AlaskaPest.com)

General Manager, Pied Piper Pest Control

2440 E 88th Ave Suite A [\(907\) 344-2538](tel:(907)344-2538)

Anchorage, AK 99507 [\(800\) 478-2538](tel:(800)478-2538)



**SOUTH PENINSULA AMATEUR RADIO CLUB (SPARC)**

Is honored to announce  
The 10th Annual  
Kenai Peninsula

**HAMFEST**

Saturday, Sept. 19, 2015

**10AM to 4PM**

At

Anchor Point Senior Center

**DIRECTIONS:**

To Be Provided

**Talk-In on the 146.91/31 repeater (no tone)**

Admission TBD

Program TBD

Since distance from Anchorage/Mat-Su Valley is farther this year, many may want to consider staying overnight. The Hamfest Date was shifted to September after the normal tourist season when hotels and restaurants often have reduced winter rates. Having the Hamfest in the Homer areas offers recreational activities that may be of interest to spouses, so they may be interested in joining their "hams". More information on this will be forthcoming.

I will be acting as advisor to the SPARC group so contact me for information.

Ed Cole - KL7UW

## THE AARC ANTENNA

This is what the new response vehicle looks like after many Working Wednesdays and many other days of work by a dedicated group of Hams.

Special Thanks to Fred Erickson, KL7FE, Kent Petty, KL5T, TJ Sheffield, and Keith Clark, KL7MM.  
I'm sure there were others who helped — but I don't know who they are.

The MTV saw its first service as a support vehicle during the Gold Nugget Triathlon.



Please note the amber lights (not all red) and the sexy signs.





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May was "Event" Month, walks, rides, triathlons, etc.

### Walk & Ride for Hope

Saturday May 2, 2015

Coordinator: Keith Clark, KL7MM

Participating Hams:

Lara Baker, AL2R

Alice Baker, KL2GD

Mark Sabel, WD6BMJ

Karen Walker, KL7KW

TJ Sheffield, KL7TS





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### MS Walk around Lake Hood

Saturday, May 9<sup>th</sup>

Coordinator: Allen Abbott, KB1QCE

Participating Hams:

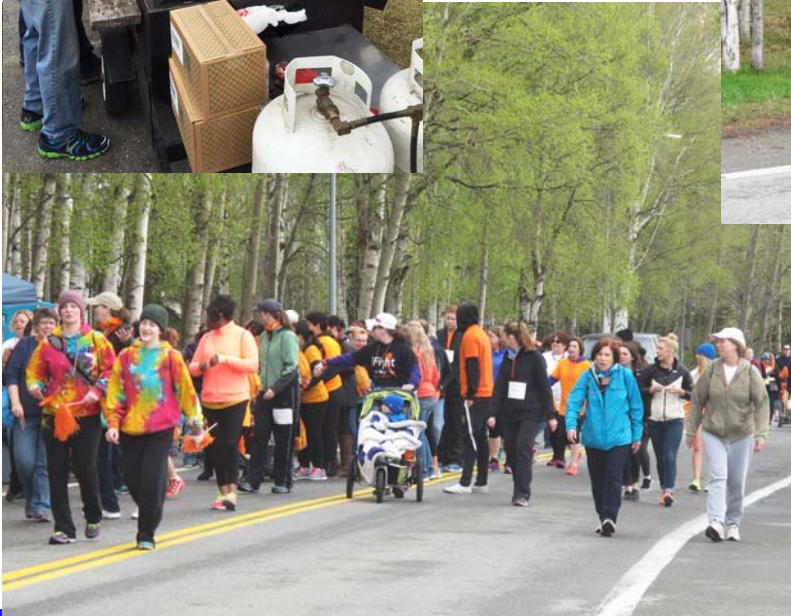
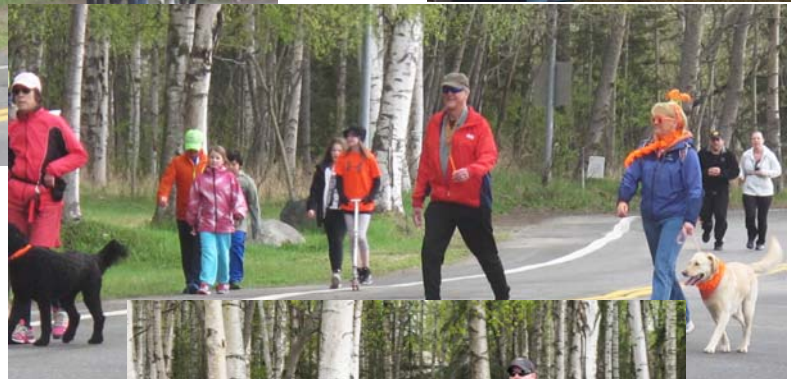
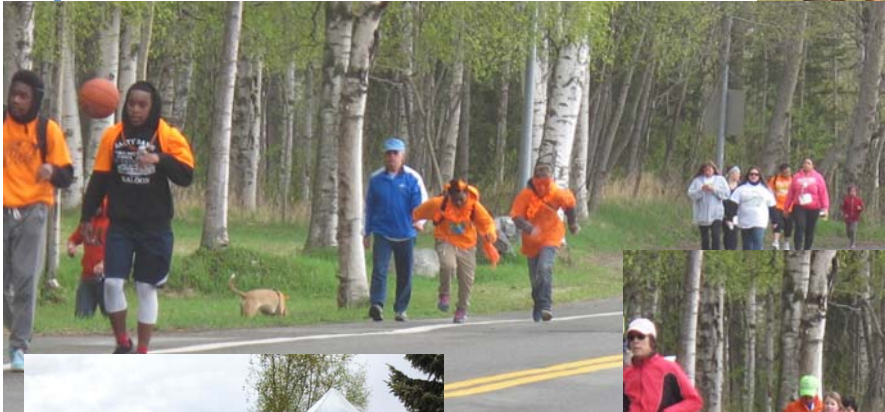
Lara Baker, AL2R

Jan Abbott, KB1QCD

Alice Baker, KL2GD

Paul Spatzek, KL7PS

Joel Spivey, N4ERF





# THE AARC ANTENNA

## Gold Nugget Triathlon

Sunday, May 17<sup>th</sup>

Coordinator: Alice Baker, KL2GD

Participating Hams:

Lara Baker, AL2R

George Wilkinson, KL1JJ

Jan Abbott, KB1QCD

Allen Abbott, KB1QCE

Ray Hollenbeck, KL1IL

Joel Spivey, N4ERF

Kathy O'Keefe, KL7KO

Mike O'Keefe, KL7MD

Don Bush, KL7JFT

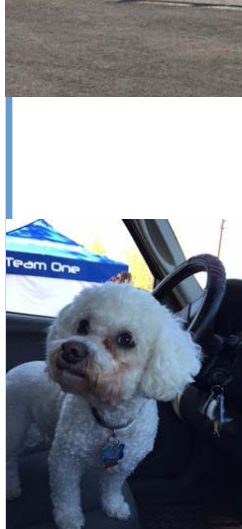
Carol Bush, KL2FA

TJ Sheffield, KL7TS

Keith Clark, KL7MM

Paul Spatzek, KL7PS

Mark Sabel, WD6BMJ





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### More Gold Nugget ---





## THE AARC ANTENNA

### MS-150 Bike Ride

Saturday, May 30<sup>th</sup>

Coordinator: Allen Abbott, KB1QCE

#### Participants:

Jan Abbott, KB1QCD  
Alice Baker, KL2GD  
Lara Baker, A2R  
Jim Wardman, AL4W  
Carol Bush, KL2FA  
Don Bush, KL7JFT  
Ray Hollenbeck, KL1IL  
Keith Clark, KL7MM  
George Wilkinson, KL1JJ  
Kathy O'Keefe, KL7KO  
Mike O'Keefe, KL7MD

#### From Washington State

Dan Good, KC7UVK  
Gary Nevius, KF7NFB  
Tom Huey, KF7TWH  
Erik Dowell, KG7DTP  
Bill Westlake, KD7KVA  
Kerry Field, KE7ODS  
Jason Maher, K7JMM  
Mandy Maher, W7VIN

Note: The MS-150 had a group of volunteers from Washington State assisting. Many thanks to them.





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### More MS-150 Bike Ride Pictures





## THE AARC ANTENNA



### ANCHORAGE AMATEUR RADIO CLUB BOARD MEETING MINUTES April 21, 2015



#### Conditionally Approved Minutes

**Board Members Present:** Kent Petty, KL5T; Rich Gillin, AL4S; Paul Spatzek, KL7PS; Lara Baker, AL2R; George Wilkinson, KL1JJ; TJ Sheffield, KL7TS; Ron Keech, KL7YK; Dave Heimke, AL7LO; Richard Tweet, KL2AZ.

**Visitors Present:** Keith Clark, KL7MM.

**Board Members Present by Teleconference:** Jim Wiley, KL7CC, Eric Thompson, N6SPP.

**Visitors Present by Teleconference:** Kathy O'Keefe, KL7KO; Mike O'Keefe, KL7MD.

**Board Members Excused:** Alice Baker, KI2GD.

#### **Board Members Unexcused:**

Meeting was opened at 7:04PM by President Lara Baker, AL2R.

A quorum was established.

Lara Baker, AL2R, asked for additions to the agenda.

There were none.

#### **Reports:**

Secretary:

No minutes for the Board Meeting.

March 6<sup>th</sup> General Meeting:

No minutes for the General Meeting

Treasurer:

The treasurer was not present.

Finance Committee:

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Keith excused. Need to get insurance on Ambulance within 30 days.

Grant Committee: No requests for grants.

The President has located someone who can teach us about how to go about obtaining grants.

Gaming Committee: Income a little light.

End of year report filed. Boniface is still planning to pay back loan. We got another \$2000.00 for 1<sup>st</sup> quarter. TJ Sheffield, KL7TS, asked about going on-line with all gaming reports. Lara said it would be a lot easier with things going on-line.

Project Committee:

TJ Sheffield reported for the Project Committee. Lara reported that numbers that go to finance committee are those numbers from end of previous month – same numbers come to Board.

History - -no changes

TJ discussed year to date charts and forecasts. He also reported that the ECCP account had expenditures related to upgrading the ambulance. We found another battery under the vehicle. We are checking the wiring system. New name – Mobile Telecommunications Vehicle (MTV). Working on tow package.

Ron Keech, KL7YK, commented that the pickup front pusher would be enough.

TJ reported that work was ongoing on decommissioning the CCV. Discussion followed. Rich Gillin, AL4S, commented about pricing motor home. It should be easy to value based on miles and age. Sale should be as is and where is. He will try to get a valuation for the next meeting.

Jim Wiley, KL7CC, thinks the CCV is a Pace Arrow.

VE Report --

Jim Wiley reported that there was nothing unusual. There are several requests for remote testing. The annual conference will be a teleconference – so there will be no travel associated with it.

Trustee

Membership:

Fred reported that there are over 220 members. There are two new life members. We should

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probably decide the free membership for new hams will expire either in June or December.

### By-Laws Committee:

Signed and Sealed Bylaws filed with state.

Nothing has been done on Rules of Procedure.

### ARES:

Kent Petty not here.

### Old Business

220 Mhz repeater. Dave Heimke, several trips this summer. Needs to pull crystals. There was some discussion about "lean" on repeater. The 440 is turned off.

Discussion about modem installation. There has been a lot of activity – cleaned up a lot. There is a new owner.

Ron reported that there were repeaters available on E-Bay. They are not suitable for our use.

Dave asked about expected use of 440 for events. If he has no deadline he will aim for end of summer.

Lara commented that we might have problems with repeaters for the Tour De Cure – since it covered all of the Anchorage Bowl.

Again, discussion about repeater coverage.

Dave commented that he has scanned in manuals for the Glen Alps site – dropping them into a Google Drop site.

Ron Keech asked about a band plan for the 220.

### Home School Fair:

Dave Heimke reported on a table sharing opportunity for the Home School Fair. Will display ARRL brochures and QSTs and things like code oscillators.

If people sign up they will get a tour of club house.

### Field Day

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Dave Heimke is working with Richard Twqet to ask for permission to use FAA site on Raspberry Road for Field Day. Approval pending. Needs to get budget for Field Day. And needs volunteers.

Paul Spatzek, KL7PS, moved that the Board approve \$2500.00 for the field Day expenses. TJ seconded.

Ron Keech, KL7YK, asked if it had been decided that AARC was not going to have a Hamfest this year. If the AARC has extra stuff to sell at the MARA Hamfest, Ron will take stuff to MARA.

Motion on table is \$2500.00 – passed unanimously.

Gary, AL9A, will talk on modern contesting – at May General meeting.

June meeting will be Field Day.

Elections and nominations need to be put on the agenda. Lara asked people to think about how to do an election electronically. Ron Keech suggested doing it as a survey with some of the current software.

Jim Wiley, KL7CC, mentioned that any digression from the by-laws may result in an election that is declared invalid. Lara commented that the new by-laws allow the Board to make a decision about the procedure. Jim suggested that if we are going to do a change in the elections, we e-mail “bomb” the membership at least twice before the event.

There was extensive discussion about publishing a list of things that the club was interested in surplus and how to price them.

Meeting was adjourned at 8:30 PM.

Respectfully submitted by  
Alice Baker, KL2GD  
Acting for Lil Marvin, KL7YF  
Secretary  
Anchorage Amateur Radio Club



## THE AARC ANTENNA

### People to Help You!! — 2015 Officers.

#### Officers

President	Lara Baker	AL2R	president@kl7aa.net
Vice President	Ron Keech	KL7YK	vicepresident@kl7aa.net
Secretary	Lillian Marvin	KL7YF	secretary@kl7aa.net
Treasurer	Alice Baker	KL2GD	treasurer@kl7aa.net

#### Board of Directors

##### 3 year term— ends 2017

George Wilkinson	KL1JJ	gdwilkinson2@yahoo.com
Jim Wiley	KL7CC	jwiley@gci.net
Dave Heimke	AL7LO	david.heimke@gmail.com

##### 2 Year term— ends 2016

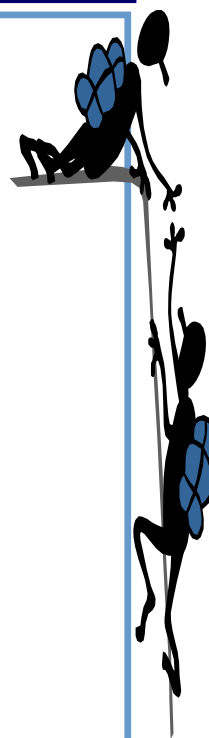
Eric Thompson	N6SPP	n6spp@arrl.net
Richard Tweet	KL2AZ	aktweeter@gmail.net
Rich Gillin	AL4S	rich@gillin.us

##### 1 Year term— ends 2015

Paul Spatzek	KL7PS	pspatzek@alaskapublic.org
TJ Sheffield	KL7TS	kl7ts@arrl.net
Kent Petty	KL5T	pettyak@gmail.com

#### Other Contacts

Trustee	Keith Clark	KL7MM	trustee1@kl7aa.net
Membership	Fred Erickson	KL7FE	membership@kl7aa.net
Newsletter Editor	Alice Baker	KL2GD	editor@kl7aa.net
Web Master	Ron Keech	KL7YK	webmaster@kl7aa.net
Activities Director	Dave Heimke	AL7LO	david.heimke@gmail.com



## Regular Committee Meetings:

**By-Laws Committee:** Contact Lara Baker, AL2R

**Finance Committee:** Monday of week before Board meeting, 7:00PM at Hamshack.  
Contact Keith Clark, KL7MM, trustee@KL7aa.net for info.  
(Members: Chair, Keith Clark, KL7MM, and Alice Baker, KL2GD.)

**Projects Committee:** Tuesday of week before Board meeting, 7:00PM at HamShack.  
Contact TJ Sheffield, KL7TS, kl7ts@arrl.net for info.  
(Members: Chair, TJ Sheffield, KL7TS, Rich Gillin, AI4S, and George Wilkinson, KL1JJ)

**VEC Testing:** Testing on 1st Tuesday and 2nd Saturday each month.  
Contact Jim Wiley, KL7CC, jwiley@gci.net for info.

**VHF:** As needed (usually with a repeater in trouble and needing "aid").  
Contact Doug Dickinson, KL7IKX, kl7ikx@yahoo.com.

## Who Do I Contact to Join AARC?

Fred Erickson KL7FE  
12531 Alpine Dr  
Anchorage, AK 99516-3121  
E-mail: membership@kl7aa.net  
Phone Number: 345-2181  
Annual Dues are \$12 (prorated as appropriate)  
Additional Member in same household is \$6.  
Full Time Student is no charge.



Have you considered a Life Membership?

Life	\$250.00
Senior >65	\$200.00
>70	\$150.00
>75	\$100.00
>80	\$50.00
>85	\$1.00

## For Sale



If you have equipment that you want to have listed for sale, please notify the editor at [editor@KL7AA.net](mailto:editor@KL7AA.net) before the 20th of the month. Thanks for your help.

Items advertised will have a "date of first appearance" added — and they will be deleted after two months appearance on the newsletter unless we are otherwise notified.

Please check [KL7AA.net](http://KL7AA.net) website for updates on availability of these items.

For Sale by Billy Capers:

MFJ 989C Versa Tuner V (3kW PEP) HF Antenna Tuner  
W/docs. \$150.00

Heathkit HW-8 QRP CW Transceiver.  
75-40-20-15 Meters. Docs. \$70.00

Heathkit HD-1250 Solid State Dip Meter \$30.00

Heathkit HM-2140 Dual HF Wattmeter \$50.00

Heathkit HN-31 1KW "Cantenna" Dummy Load \$25.00

Too many additional items to list.  
If you need it, I might have it.

Billy Capers, AL7BB (907) 337-2916



## THE AARC ANTENNA

### Silent Key estate sale, most all is in near mint condition:

Kenwood TS-940S/AT HF transceiver (150 KHz – 30 MHz) with all band transmit mod, and service manual. Last used in 2007, needs internal batteries replaced. Includes Heil BM-10 boom headset mic with HC-4 DX element. \$700

24-hour clock by Seth Thomas, \$20

Sennheiser HD-485 open-air, over-the-ear 32-ohm headphones \$45

Sennheiser HD-600 open dynamic hi-fi professional 300-ohm headphones \$250

Kenwood TH-21AT 2M synthesized HT \$40

HyGain 674-PR CB 23-channel AM/SSB radio \$15

Solder gun Weller D550PK 200/260W professional heavy duty, \$30

Mike AL7KC [460-0242](tel:460-0242) (text or call)  
or email [AL7KC@yahoo \(dot\) com](mailto:AL7KC@yahoo.com)







## Upcoming Events

**Plan ahead:**

**It is time to set aside the dates for the Community Service events.**

### 2015 Events:

**American Diabetes Assoc. — Tour de Cure** **Note — this is a new effort!!**

**June 14, 2015**

**Coordinator, Alice Baker KL2GD**

**Dog Jog**

**July 25th**

**Coordinator, TJ Sheffield, KL7TS**

**Big Wild Life Marathon**

**August 16th**

**Coordinator, Keith Clark, KL7MM**



# THE AARC ANTENNA

Anchorage Amateur Radio Club  
PO BOX 101987  
Anchorage, AK 99510-1987  
[www.KL7AA.net](http://www.KL7AA.net)



## June 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 VE Testing	3	4	5 AARC General Meeting 7:00PM	6
7	8 Finance Com. 7:00	9 Projects Com. 7PM EARS Genl Mtg	10	11	12	13 VE Testing
14 Tour De Cure Bike Ride	15	16 NO Board Mtg	17 Mara Board Mtg 6:30 PM	18	19	20
21	22	23	24	25	26 Mara Meeting 7:00 PM	27
28	29	30				

### ARES NETS:

1st Thursday: HT / Portable  
2nd Thursday: Mobile Madness  
3rd Thursday: RED CROSS  
4th Thursday: Emergency Power

### ARES Net: Thursday Nights 8:00 PM

147.33+ PL:103.5  
443.900+ PL:103.5

## MONTHLY EVENTS

**1<sup>st</sup> Friday each month: AARC general meeting - 7:00 PM** in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.33+ repeater.

**1<sup>st</sup> Tuesday each month (except for holidays):**

**VE License Exam 6:30 PM**, at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 688-0660.

**1<sup>st</sup> Thursday each month: Moosehorn Amateur Radio Club General meeting - 7:00 PM**

Location changes monthly so call on 146.88-repeater for info. Moosehorn ARC also holds a weekly luncheon every Thursday, locations and times change — contact George Van Lone, KL7AN: don-nav@acsalaska.net

**2<sup>nd</sup> Saturday each month: PARKA (Polar Amateur Radio Klub of Alaska) Meeting at 11:00**

**AM.** Polar Amateur Radio Klub of Alaska. All amateurs welcome. Denny's on Denali Street in Anchorage. Some business is discussed. Originally established as an all woman organization, membership now includes spouses or significant others. Talk in on 147.30+.

**2<sup>nd</sup> Saturday each month (except for holidays):**

**VE License Exams at 2:00 PM.** at Hope Cottage 540 W. International. Be sure to bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 688-0660.

**3<sup>rd</sup> Tuesday each month: AARC Board Meeting at 7:00 PM at Hope Cottage 540 W. International. All hams are invited and encouraged to attend.**

**2nd Tuesday of each month: EARS general meeting at 5:00 PM.** EARS meetings are held at the EARS shack location. Contact info - Doug Myers, KL1DJ or Ron Keech, KL7YK for information. EARS: 552-2664 (recording); Talk in on 146.67-. Email: [club@KL7air.us](mailto:club@KL7air.us) or [kl7yk@arri.net](mailto:kl7yk@arri.net)

**4<sup>th</sup> Saturday of each month: Valley VE Testing at 7:00 PM.** Sessions will be held at Fire Station 61, at 7 pm on the fourth Saturday of each month unless it is a major holiday weekend. Contact Ken Slauson, KL7VE, Ken.Slauson@gmail.com or 907-376-8698.

**The last Friday each month: MARA meeting at 7:00 PM,** Wasilla Fire Station 61. Talk-in help for the meeting can be acquired on the 146.850 repeater. Further details can be found by contacting Don Bush, KL7JFT, [dbush@gci.net](mailto:dbush@gci.net).

**Every Monday at 11:00 AM:** Meeting of interested Amateur Radio Operators — and lunch at Denny's on DeBarr — across from Costco. Many code and HF operators attend this function. Come talk radio. For information, contact Kathy O'Keefe, KL7KO, [kokalaska@gmail.com](mailto:kokalaska@gmail.com)

**Every Saturday at 7:00 AM:** Meeting of a group of Amateur Radio Operators at Denny's on Denali for breakfast. Topics? Radio, photography, and upcoming events For information, contact Kathy O'Keefe, KL7KO, [kokalaska@gmail.com](mailto:kokalaska@gmail.com)

## THE AARC ANTENNA

### AARC web page & Email contact addresses:

Homepage: <http://www.KL7AA.net/>

Webmaster: [webmaster at kl7aa.net](mailto:webmaster@kl7aa.net)

Membership: [membership at kl7aa.net](mailto:membership@kl7aa.net)

Newsletter: [editor at kl7aa.net](mailto:editor@kl7aa.net)

### Internet Links, the favorites from our readers:

AARC <http://www.KL7AA.net>

EARS <http://www.kl7air.us>

MARA <http://www.kl7jfu.com>

Moose Horn ARC <http://www.moosehornarc.com>

PARKA <http://www.parka-kl7ion.com>

South Central Alaska ARES <http://www.kl7aa.net/ares.htm>

Practice Exams : <http://www.AA9PW.com>

Fairbanks AARC: <http://www.kl7kc.com/>

Alaska Navy/Marine Corps MARS: <http://www.navymars.org/pacific/reg10/AK>

Alaska VHF-Up Group: <http://www.qsl.net/ak-vhf/>

Yukon Amateur Radio Association: <http://www.yara.ca/>

Links for Propagation: <http://www.haarp.alaska.edu/> (not operational)

QRP and Homebrew Links : <http://www.AL7FS.us>

Solar Terrestrial Activity: <http://www.spaceweather.com>

<http://www.swpc.noaa.gov/>

ARRL <http://www.arrl.org/>

Propagation Report Recording 566-1819

Please let us know if there are other clubs pages or good starting points that should appear here.

Report dead links or bad info to [editor@kl7aa.net](mailto:editor@kl7aa.net)

### Winlink RMS's

- Anchorage VHF ARES RMS WL7CVG-10 144.9 (Elmendorf Moraine)
- Anchorage HF ARES RMS WL7CVG (multi-band scanning see [WWW.WINLINK.ORG](http://WWW.WINLINK.ORG) for frequencies)
- Palmer (MATSU) VHF RMS KL7JFT-10 145.19
- Fairbanks VHF RMS KL7EDK-10 147.96
- Fairbanks HF RMS KL7EDK (multi-band scanning see [WWW.WINLINK.ORG](http://WWW.WINLINK.ORG) for frequencies)
- South Central Digipeater WL7CVG-4 144.9 (Knik)
- Anchorage AARC VHF RMS KL7AA-10 144.98 (AARC Club Station, Hughesnet Satellite Connection)

### NETS in ALASKA:

The following nets are active in Alaska:

#### VHF

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 Packet Nodes provide a "talk" or chat function. Also if you are unable to connect directly to ontof the nodes, try digipeating through "EARS" on either frequency. Do this by typing "c eagle v ears" or "c vally v ears" on the appropriate frequency. Dee KL7AIR.US for more info on the digipeaters.

**ARES Net:** 147.33 103.5Hz - Thursdays at 8:00 PM local

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

**South Central Simplex Net:** 146.52 FM, 144.2 USB, 446.0 FM, 432.2 USB, 223.5 FM, 927.5 FM, 1294.5 FM, 52.525 FM, 50,125 USB, 29.6 FDM, 28.4 USB, 145.01 packet (Eagle node) and 147.96 packet (Valley node).

Tuesdays 8:00 PM local

**Alaska VHF Up Net:** 144.200 USB Saturdays 9:00 AM local

**Statewide LINK Net:** 145.15(-) PL 123.0Hz; Sundays 8:30PM local

**Alaska Morning Net:** The Alaska Morning net is held Monday through Saturday from 9am- 11am on the IRLP Reflector 9109. This net can be reached via several hosting nodes in the area. Please visit <http://status.irlp.net/index.php?PSTART=2&mode=3> to find the closest node. Also, the net can be reached via Echo Link on 9191 (WL7LP-R) and Allstar nodes 27133 and 29332.

The Alaska Statewide ARES net is held Thursday evenings at 8:30pm (following the Anchorage ARES net) on IRLP 9109, Echolink WL7LP-R and Allstar 27133 or 29332 as well as the Sunday evening Alaska Statewide Radio Link net at 8:30pm.

#### HF

- **Alaska Sniper's Net:** 3.920 MHz 6:00 PM daily
- **Alaska Bush Net:** 7.093 MHz 8:00 PM daily
- **Alaska Motley Net:** 3.933 MHz 9:00 PM 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@winlick.org))
- **Alaska Pacific Net:** 14.292 MHz 8:30 AM M-F
- **ERC HF Net:** 3.880 MHz—Sunday 8:30PM



# THE AARC ANTENNA



## Data You Can Use:

Frequency	Tone	Call Sign	Features	Area
147.18 -	88.5	ADES		Ft. Richardson
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	Phone patch	Anchorage to Wasilla
224.94 -	no tone	KL7AA		Anchorage
444.70 +	103.5	KL7AA	Phone Patch	Anchorage
146.67 -	103.5	KL7AIR	MARS Station	Anchorage & Highway North
147.30 +	141.3	KL7ION		Very Wide Area
146.85 -	no tone	KL7JFU		Mat Valley
146.91 -	no tone	KL7JL		Homer
147.15 +	107.2	KL5E	Phone patch	Eagle River & Chugiak
147.84 -	103.5	WL7CWE		Wasilla Repeater
<b>147.33 +</b>	<b>103.5</b>	<b>WL7CVF</b>	Cross linked to 443.900	Very Wide Area **
<b>443.900 +</b>	<b>103.5</b>	<b>WL7CVF</b>	Cross linked to 147.330	Very Wide Area **

South Central Area Simplex Frequencies	
146.52 MHz	National Calling and Emergency frequency
147.57 MHz	DX Spotting frequency
146.49 MHz	Anchorage area simplex chat
146.43 MHz	Mat-Su Valley simplex chat
147.42 MHz	Peninsula simplex chat

WINLINK	Callsign	Frequency
Anchorage ARES RMS	WL7CVG-10	144.9
Palmer (MATSU) RMS	KL7JFT-10	145.19
FAIRBANKS RMS	KL7EDK-10	147.96
South Central Digipeater	WL7CVG-4	144.9
Anchorage AARC RMS	KL7AA-10	144.98

## THE AARC ANTENNA



The Anchorage Amateur Radio Club has been an ARRL Affiliated Club for more than 50 years



Are you an  
ARRL Member...  
Life Member?

[www.arrl.org/benefits](http://www.arrl.org/benefits)

### Are you a member of ARRL?

ARRL is the American Radio Relay League. This is the national organization that advocates on behalf of amateur radio operators to the FCC and the communications industry. Consider becoming a member of ARRL today. [www.arrl.org](http://www.arrl.org)

For more information about the ARRL DX Century Club Program check out: <http://www.arrl.org/awards/dxcc/>



## KL7AA Mail Reflector

If you like to **stay in touch on KL7AA news** and other posts of local interest.

Step #1: First point your browser to: <http://mailman.qth.net/mailman/listinfo/kl7aa>

Step #2: On the web page you will see a section titled "Subscribing to KL7AA". Enter your e-mail address in the "Your email address" entry box.

Step #3: Pick a password for your account and enter it in the box marked "Pick a password" and then enter the same password in the box marked "Reenter password to confirm". This password will be used to change your settings on the list such as digest mode, etc.

Step #4: If you would like the e-mails in daily digest form click yes on the line marked "Would you like to receive list mail batched in a daily digest?"

Step #5: Click on the "Subscribe" button below the information that you just entered.

Step #6: Follow the directions.

### ANNOUNCEMENT:

AL7N is the Alaska Section Traffic Manager. Ed is looking for Code operators for passing formal NTS traffic throughout Alaska on the AK CW Net. For more information please contact: [AL7N@arrl.net](mailto:AL7N@arrl.net).

## THE AARC ANTENNA

### **ARES - Section 7, District 7 (Anchorage, ALASKA)**

#### **Mission statement:**

Dedicated to amateur radio as it pertains to disaster services. The history of amateur radio operators' involvement in sending life-saving information in and out of disaster areas [and] providing help during and after earthquakes, floods, hurricanes and tornadoes. "HAM's have been there to assist local, state, and federal agencies and relief organizations such as the American Red Cross and Salvation Army." When All Else Fails, Amateur Radio.

[www.ares.org](http://www.ares.org)

Emergency  
Management  
Institute



FEMA

<http://training.fema.gov/>

#### **ARES NETS:**

**Thursday Nights 8:00 PM**

**147.33+ PL:103.5**

**1st Thursday: HT / Portable**

**2nd Thursday: Mobile Madness**

**3rd Thursday: RED CROSS**

**4th Thursday: Emergency Power**

#### **ARES Anchorage District Contact Information**

**Kent Petty, KL5T@arri.net**

#### **ARES Matanuska-Susitna Valley Dis- trict**

#### **Contact Information**

**Don Bush, KL7JFT@arri.net**

**"Alaska ARES and the Alaska Native Medical Center** have in joint effort stood up a HF Remote Messaging System (HF RMS) in Anchorage. This system provides HF Radio Email Service to the area. In an emergency this system will provide digital email capabilities if we lose the Internet. It is designed to accept connections from Amateur Operators who are using either PacLink or Airmail software and a Pactor 1-3 capable Terminal Mode Controller (TNC). If the Internet is lost to the area the RMS will forward messages to another RMS over HF Radio. Being HF Radio based, the coverage area is quite large. While it is intended for intra-Alaska use we have stations from as far away as Arizona using the HF RMS to pass email traffic to the internet on occasions.

ARES and the AARC also host two VHF RMSs which provide Radio to Email service on VHF Radio in the Anchorage area. One of those RMSs is linked to the Internet via the AARC's Hughesnet Satellite Internet Service.

The WL7CVG and KL7AA RMS's frequency listings, etc. can be found on [www.Winlink.org](http://www.Winlink.org).

## THE AARC ANTENNA

### KL7AA HAMSHACK

The KL7AA station is available for training in HF operations. Learn from an experienced HF operator about propagation, voice and Morse code modes as well as best practices and legal operation. The station is fully integrated with a PC and soundcard to operate in many digital modes.

Take advantage of this unique benefit! Arrange a session by contacting the club trustee, Keith Clark, KL7MM, (aksunlite@aol.com) to meet at the KL7AA station at 5923 Rowan Street.

Notice: Any AARC sponsored repeater, with or without an auto-patch, will always be open to all licensed amateur radio operators in the area who are authorized to operate on those frequencies. **IRLP is not authorized on KL7AA repeaters except for special events as approved by the board and trustee.**

THE AARC ANTENNA is the monthly newsletter of the Anchorage Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyrighted 2011 by the Anchorage Amateur Radio Club.

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#### **Newsletter Submissions, Information or Corrections:**

All articles from members and interested persons are very welcome. If you wish to submit any articles, jokes, cartoons, please have it typed or neatly handwritten. It can be submitted by mail, computer disk or E-mail to the newsletter editor at the address listed below. Submissions must be in the hands of the editor **no later than the 10 days prior** to the general meeting. Email: [editor@kl7aa.net](mailto:editor@kl7aa.net)

Since THE AARC ANTENNA is no longer being sent out by US MAIL, we need some help from all the AARC members. We have gotten a large percentage of the e-mailed newsletters returned as undeliverable. Also we have no e-mail addresses for many of you.

Would you please e-mail "membership@KL7AA.net" with a current e-mail address and current mailing address and phone numbers (home, work, and cell — as you choose).

If you have special needs or concerns please send your comments to [editor@kl7aa.net](mailto:editor@kl7aa.net) to bring to the attention of the board of AARC. Current and newsletters from years past can be found on the club website at [www.KL7AA.net](http://www.KL7AA.net).

Thanks for your help in this.