

# Anchorage Amateur Radio Club



## Anchorage Amateur Radio Club

### General Meeting

Friday, April 4, 2014

7:00 PM

Carr-Gottstein Bldg.

**E-CALLISTO Solar Spectrometer Network**

**Whit Reeve**



The April 4th AARC Meeting Speaker — from David Heimke, Activities Director

Many of you are aware that we are at the peak of the solar year's propagation as it is spring equinox, and we are also just after the peak of the 11 year solar cycle. 10 meters has been open for quite some time and now is the time to really enjoy propagation on the upper HF bands. This weekend is the CQ WPX worldwide SSB contest so it will be hopefully quite busy with exotic DX amongst other signals.

Perfect timing for this month's speaker. Longtime Alaskan Electrical Engineer, Whitham Reeve, is going to speak on the e-CALLISTO Solar Spectrometer Network. Please join us at 7pm at the normal APU campus meeting place.

A brief summary:

e-CALLISTO Solar Spectrometer Network

e-CALLISTO is a worldwide network of frequency-agile solar spectrometers. e-CALLISTO is an acronym for extended Compact Astronomical Low-cost Low-frequency Instrument for Spectroscopy and Transportable Observatory. Callisto is the name of one of Jupiter's larger moons, and the name also is found in Greek mythology – a nymph of Artemis.

The receiver instrument itself is called CALLISTO. CALLISTO was designed by Christian Monstein at ETH Zurich. CALLISTO can be used in a basic system consisting of the receiver, a linear polarized antenna system and control/logging software. A more advanced system includes a tower-mounted preamplifier or low noise amplifier, additional antennas and a focal plane unit (FPU) with antenna polarization switching and noise calibration capabilities. The receiver and associated software can be setup for linear, right-hand circular polarization (RHCP) or left-hand circular polarization (LHCP) but one receiver is required for each polarization.

You can find more information on Whit's website at [www.reeve.com](http://www.reeve.com).

### **The public service season is upon us. From Allen Abbott, KB1QCE**

Why should I bother to participate? I have plenty of tacky "volunteer" tee shirts. I don't really need the practice. They don't really need me in order to hold their event...and so on...

Use it or lose it. Our HAM community must constantly demonstrate to the FCC that we are using our frequencies for the good of the American people. Public service hours show that we are involved and that our frequency bands need to be protected.

The tee shirts that HAMs receive are just the tangible "thank you" from the event organizers. It's the smiles and the verbal thanks that let us know just how much our services are appreciated. Many a life-long friendship has started because of a chance meeting while working a public service event.

It's a lot different dealing with terrain and weather over a four to six hour period on a HT or mobile than "checking in" from the comforts of your "shack". There is no better test of your equipment, batteries and skills than working any of the upcoming events. Do you know how long your battery will really last??

Some events could be done with cell phones and do just great. But here in Alaska, there are huge holes in the cell phone coverage. Events like the MS Bike Ride simply would not be held without HAMs donating the talent, time and equipment to fill the cell phone void and insure that emergency services can be contacted if the need should arise.

Two upcoming events will support the National Multiple Sclerosis Society Northwest Chapter. The Anchorage Amateur Radio Club has a long history of supporting the fight against MS.

**May 10th** will be a walk around Lake Hood. The club motorhome will be there to act as net control and to show how serious our group of "amateurs" really is. Besides net control positions, we need shadows for the race officials and rest stop communicators.

**May 31st** is the MS Bike Ride from Girdwood to Hope and back. This is the ultimate test of HAM communications. No internet, no cell coverage and lots of mountains. Once again the motorhome will act as net control. There are seven rest stops. Race officials need to be shadowed. All support vehicles require HAM operators. This event used to be both Saturday and Sunday but has been shortened to Saturday only by rider request. And moved to earlier in the year (it used to be in September).

So please come and be appreciated, receive a tee shirt, test your batteries and mag mount antenna. Meet some wonderful people that work very hard at raising money (that stays in Alaska) to fight MS.

Please contact Allen KB1QCE at [allenabbott90@msn.com](mailto:allenabbott90@msn.com) or 907 947-0827 to volunteer.

## The 2014 Event Schedule:

The events that AARC normally participates in -- with the name of the person who coordinated them in past years are as follows:

**Hope Walk and Roll** -- route up near Westchester lagoon.

May 3rd, 2014.

Contact Keith Clark, KL7MM to volunteer.

**MS walk around Lake Hood**

May 10th, 2014 -- Allen Abbott KB1QCE

**Gold Nugget Triathlon**

Sunday May 18th. -- Alice Baker KL2GD

**MS150 Bike Ride**-- has been in September

May 31st — Allen Abbott KB1QCE

**Mayor's Marathon and Half Marathon** — plus a lo0t of other participating options.

Saturday, June 21st -- Alice Baker KL2GD

(This needs a least 12 Ham's at various check points along the routes.)

**Dog Jog and 5K run**-- usually mid to late July -- TJ Sheffield -- KL7TS with Keith Clark's help.

**Big Wild Life Marathon & Half Marathon**

**Saturday, August 16th** -- Keith Clark -- KL7MM

Please come out and participate in these events.



### Alaska Shield 2014 Tests Amateur Radio Capabilities

The Anchorage ARES effort and participation in Alaska Shield 2014 centered on the immediate aftermath of the simulated earthquake that kicked off at 1015L on Thursday, March 27.

We had five critical resources involved in the test including the State EOC (SEOC) at the National Guard Armory on Fort Richardson, the Anchorage EOC (AEOC), the EARS club station on Elmendorf AFB, the Anchorage Headquarters of the American Red Cross, and the Anchorage Amateur Radio Club station in south Anchorage.

Formal and informal written message traffic was handled by all stations on VHF packet using Winlink. This included passing traffic peer-to-peer as well as using the KL7AA-10 Winlink VHF RMS station (which is connected to the internet via our Hughesnet system). There was even some traffic moved via HF Pactor III. There was also digital traffic passed between the SEOC and KL7JFU in the valley for relay to and from points around Alaska. VHF and HF digital comms were coordinated on voice within those bands.

We learned a lot from this exercise, and we also helped forge stronger relationships with our served agencies including the SEOC, the AEOC, and the American Red Cross. We've even been contacted by FEMA to become part of their deployment efforts in the Anchorage area.

I'm sorry to report the results of our effort in such an abbreviated manner in this newsletter but it has been a little wild around the Petty household over the past few days (we lost our water well and it's been taking up the bulk of my time). Alice is graciously accepting my abbreviated report for the newsletter. I intend to provide a detailed summary report in the next few days which I hope to share with the membership.

This being said, I would be remiss if I didn't point out the need to get our critical resource teams together. Right now we have skeleton crews only. We need build these teams out with 6, 8, or even 10 members each. These team members will "own" the resources they are assigned to. It will be the team's job to make sure the stations are in tip-top shape and to initiate corrective actions when and where warranted. We want to build sustainability into our system. Part of that sustainability is by having full teams assembled.

As part of the team building effort, David Heimke, AL7LO has been appointed as Emergency Coordinator (EC) for AEOC operations and Mike O'Keefe, KL7MD has formally been assigned as EC for Anchorage Red Cross Operations. Additional EC appointments are on the horizon.

I'll just end with some recognition for the folks that turned up to man our stations all day on March 27. Kudos to the following folks:

SEOC: Rachel Runyun (AL7FI), Cody Hilsman (KL3TW), and Kent Petty (KL5T)

AEOC: David Heimke (AL7LO) and Brian Metras (KLOWV)

## THE AARC ANTENNA

EARS: Ron Keech (KL7YK), John Weise (KL3PG), Jim Larsen (AL7FS), and Micah Foreman (KL3IE)

American Red Cross: Keith Clark (KL7MM) and Lara Baker (AL2R)

AARC Club Station: TJ Sheffield (KL7TS) and Rich Gillin (AL4S)

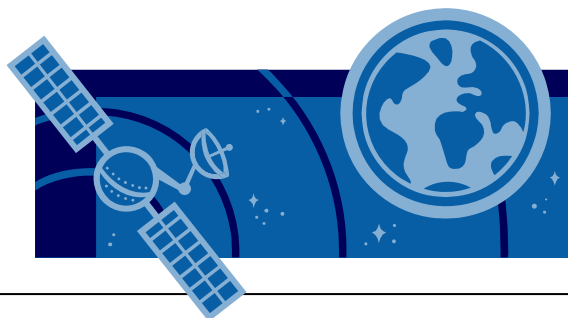
Please contact me, at [KL5T@arrl.net](mailto:KL5T@arrl.net) if you are willing to become a vital team member as part of our ARES effort.

hanks and 73,  
DE Kent Petty, KL5T  
Anchorage DEC

Editor's Note:

Kent went well beyond reasonable expectations to get this much written. I hope that the May newsletter will have some more details — and maybe some pictures. The antenna rig at the Club Station was impressive.

Alice Baker KL2GD



### Silent Keys

Richard A. Moore, 85, of Palmer died Feb. 17, 2014.

Surviving are his son, John C. Moore of Miami, Fla.; daughter, Mariann Karen Moore of Miami, Fla.; multiple Ham radio friends and Palmer neighbors. He was born Oct. 12, 1928, and served U.S. Navy Veteran and had worked for the U.S. Border Patrol.

### **Anthony J. Monteiro, AA2TX**

You may want to include this article about Tony Monteiro's life in an upcoming AARC newsletter. Tony was a truly inspirational ham who made (and demonstrated) a lot of technology out of virtually nothing. For example, I built his Lindenblad satellite high-angle omnidirectional antenna out of scraps of PVC pipe and brazing rod pieces. It worked great, and was much cheaper than the equivalent Eggbeater commercial design. See <http://www.qsl.net/nwlarn/sat/70ParaLindy.pdf> for details.

73, Craig, KL4E

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SB SAT @ AMSAT \$ANS-086.01

AMSAT News Service Special Bulletin - Tony Monteiro, AA2TX SK

AMSAT News Service Bulletin 086.01

>From AMSAT HQ SILVER SPRING, MD.

March 27, 2014

To All RADIO AMATEURS

BID: \$ANS-086.01

Anthony "Tony" J. Monteiro, AA2TX (SK)

AMSAT VP-Engineering and Board Member Anthony J. Monteiro, AA2TX of North Andover, MA died on Wednesday morning, March 26, 2014 while hospitalized in Boston, MA from cancer. He was 55. He is survived by his wife, Mary Lou and daughter, Veronica, a college freshman.

Tony was first licensed in 1973 as a Novice and subsequently held an Extra Class Amateur Radio License. An avid operator, he described his first contact in an AMSAT BoD Candidate's Statement in 2011: "I earned my novice ticket in 1973 and made my first ham radio contact with a transmitter made from parts out of an old TV set. A Heathkit HR-10B receiver and a 65-foot piece of wire strung out of a window for an antenna made up the rest of my station, which was pretty modest even by 1973 standards! Even so, I will never forget the thrill of my very first contact."

His interest in amateur radio and electronics led him to earn a BS in Electrical Engineering from Drexel University and a MS in Computer Science from Stanford University. His professional career started at Bell Laboratories in New Jersey developing network management systems and then consumer products. After working at several startup companies, Tony landed at Cisco Systems where he managed the development of ADSL, voice over packet, and content networking products. He retired from industry in 2002 and focused his efforts working on satellite projects.

Tony joined AMSAT in 1994 and started working the satellites. He earned ARRL VHF/UHF Century Club-Satellite #58 and worked 49 states (only Hawaii was not logged) as well. Tony worked a number of stations while he commuted along the I-495 corridor outside Boston. Many will remember working him through AO-40 as he utilized his "cardboard box horn antenna."

Tony led a workshop at the 2003 AMSAT Space Symposium where students built similar antennas, demonstrating the ease in which one could build a 2.4 GHz S-band antenna to receive the AO-40 downlink.

## THE AARC ANTENNA

Additional technical contributions to the amateur satellite community that Tony made included "InstantTune Automatic Radio Tuning" software; "A Simple Desense Filter for Echo"; and several extremely low cost projects such as "A \$5 Mode V/S Adapter using a Sub-Harmonic Mixer". AMSAT-UK currently offers a 70 CM Parasitic Lindenblad antenna based upon his design.

Tony also played a significant role in space-based hardware development. He collaborated on the NO-60 satellite. As AMSAT's VP-Engineering, he served as the software designer for the SDX (Software Defined Transponder) on ARISSat-1/Kedr that was deployed from the International Space Station by Russian Cosmonauts during a space walk in August 2011.

Tony led the Fox-1 Engineering Team from inception in 2009 and led AMSAT's efforts to apply for acceptance of Fox-1 in the NASA Education Launch of NanoSat (ELaNA) in 2011 and Fox-1B in 2012. He established relationships with several universities to secure scientific payloads for Fox-1 and Fox-1B, including student experiments.

A strong proponent of student involvement in satellite projects, Tony served as coordinator of AMSAT Engineering relationships with SUNY-Binghamton, Penn State-Erie, Virginia Tech, and Rochester Institute of Technology where students developed new technologies to be applied in future AMSAT spacecraft as "Capstone" projects.

These projects, such as the development of storage capacitors to replace batteries developed by SUNY-Binghamton, provided student experiences that will ultimately be flown in space. The AMSAT JOURNAL in recent years featured several articles concerning these projects.

Tony was elected to the AMSAT Board of Directors in 2011 following service for one year as a BoD alternate. His wise counsel and focus on finding ways to make it affordable for AMSAT to fly amateur radio systems in space resulted in several innovative approaches. It was Tony who convinced the NASA ELaNA program to modify their qualification criteria to add "not for profits" to those that could apply for launch grants. It was Tony who met with universities that were looking for ways to fly their payloads but didn't have the experience to build satellites, encouraging collaboration that would benefit both AMSAT and the university.

Tony's approach to participation in the AMSAT Leadership Team reflected his approach to life. Whenever he had a thought to share with the entire AMSAT Board of Directors and/or Senior Officers via e-mail, he always started with "Dear Friends". As AMSAT VP-Operations Drew Glasbrenner, KO4MA noted, "I always admired how he reminded me we were all friends despite whatever argument was raging."

Arrangements for a service for Tony will be announced at a later date. In lieu of flowers, the family asks that donations be made to Radio Amateur Satellite Corp. (AMSAT), 850 Sligo Avenue, Suite 600, Silver Spring, MD 20910.

Barry A. Baines, WD4ASW  
President-Radio Amateur Satellite Corp. (AMSAT)

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Via the ANS mailing list courtesy of AMSAT-NA  
<http://amsat.org/mailman/listinfo/ans>

## THE AARC ANTENNA

### News & Notes:

#### Notice:

The Alaska morning net is no longer held on KL7M's node and is now on the Winsystem Reflector's Alaska channel 9109. Suggested verbiage change is below.

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 the above locations as well as the Sunday evening Alaska Statewide Radio Link net at 8:30pm.

Thanks,  
Richard KL2AZ

From Jim Wiley, KL7CC — with initial comment from Craig Bledsoe, AL4E

My favorite part of this story was about the ham who tracked down the defective grow-light ballasts in his neighbor's marijuana operation.

>From Wall Street Journal, March 12, 2014.

I don't know how long this article will be available to non-subscribers, so read this as soon as you can.

It has to do with the FCC shutting down radio interference, and some of the sources are pretty bizarre!

[  
<http://online.wsj.com/news/articles/SB10001424052702304434104579378994224188328>  
]<http://online.wsj.com/news/articles/SB10001424052702304434104579378994224188328>

#### MARA Hamfest:

The MARA Hamfest will be held at the American Legion Post 35 north of Wasilla.

Date is May 10th, 2014 — 1000—1600, setup 0900. Contact John/KL1XM to reserve a table (sniffles@mtaonline.net) Tables are \$10.00, Entry fee \$3.00.

Confirmed — Bonnie Altus, AB7ZQ, Northwestern Division Vice director will attend.





## ANCHORAGE AMATEUR RADIO CLUB

### BOARD MEETING MINUTES

18 February 2014  
Approved Minutes



**Board Members Present:** Mark Sabel, WD6BMJ. Lara Baker, AL2R. Ron Keech, KL7YK. Alice Baker, KL2GD. Paul Spatzek, KL7PS. Rich Gillin, AL4S. TJ Sheffield, KL7TS. Richard Tweet, KL2AZ. David Heimke, AL7LO. Fred Erickson, KL7FE.

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

**Board Members Present via Teleconference:** Kent Petty, KL5T. TJ Tombleson, KB8JXX.

**Board Members Excused:** George Wilkinson, KL1JJ. Eric Thompson, N6SPP.

**Board Members Unexcused:** Jim Wiley, KL7CC.

The President, Lara Baker, AL2R, called the Board Meeting to order, at 7:00 p.m. A quorum was established. Additions or corrections to the meeting agenda were requested.

**Secretary Report:** Mark Sabel, WD6BMJ, had to be absent from the February General Meeting. He appreciated that Tim Crowley, KL2VK, had agreed to write the meeting's minutes.

**Treasurer Report:** Alice Baker, KL2GD, said there was too few non-routine expense items this month to justify producing a spreadsheet. There have been no project costs since the last Board meeting.

The attorney retained by the Club submitted a bill for January in the amount of \$12.00.

The Club received the final 2013 fourth quarter proceeds from gaming in the amount of \$3,811.00, bringing 2013's total to approximately \$56,300.00. As was approved at the last Board meeting, a donation of \$500.00 was made to AMSAT (Radio Amateur Satellite Corporation).

**Finance Committee Report:** Keith Clark, KL7MM, reported the Committee met on 10 February 2014. The final gaming proceeds report for 2013 are now in.

Keith communicated with the State regarding our receipt of restitution payments. All restitution payments have been received by the State in a timely manner. The State had been slow in forwarding the funds to the Club. As of January, the State has caught up. There have been ten payments for a total of \$5,000.00.

**Grant Committee Report:** Lara Baker, AL2R, reported that no grant applications were received this month.

**Gaming Committee Report:** Lara Baker, AL2R, reported that a financial spreadsheet was received from the bingo hall's bookkeeper. The spreadsheet is a bit confusing because it shows the \$3,811.00 payment listed in 2013 4<sup>th</sup> quarter, and also in 2014 1<sup>st</sup> quarter. This has no real financial bearing on the Club, but is something the bookkeeper needs to sort out.

**Projects Committee Report:** TJ Sheffield, KL7TS, presented several financial graphs. The first indicated that in 2013 the Club spent very close to what it was required to spend, approximately \$95,000.00.

Last year's gaming receipts were a record low at approx. \$56,000. Lower revenue can in part be blamed by the AFN convention taking place in Fairbanks instead of Anchorage. Still, the trend has been downwards for the past three years.

Looking to 2014, TJ presented a series of possible budget graphs compared to what the Club must spend this year, \$77,230.00. Potential expenditures include things like Field Day, a representative attending the V.E. Conference, and 2013 carry-over (approx. \$2,500) projects.

The new club trailer's design is nearly complete. The Project Committee has reviewed trailer plans and is now making final design tweaks. The trailer will probably arrive in Alaska early this summer.

The committee will meet the last week of February to prioritize new projects for the year.

**VE Program:** Jim Wiley, KL7CC, was not present.

**Trustee Report:** Keith Clark, KL7MM, commented on problems with the alarm system at the Club House. It has been triggered several times by accident. Keith asks that if someone is going to be at the Club House for several hours to inform the alarm company of that fact.

**Membership:** Fred Erikson, KL7FE, says the club has a little over 200 members, of which about 50 from last year have yet to renew for 2014. Fred is in the process of comparing a list of Silent Keys to the Clubs life membership roll.

**By-Laws:** Lara Baker, AL2R, had nothing new to report.

**ARES Report:** Kent Petty, KL5T, reports that he has been in the Anchorage EOC and has the VHF Winlink functional. But the host computer and network connection need upgrading.

Kent will be visiting the State EOC to test and verify that the VHF packet station is fully functional in time for the Vital Connect exercise on 21 February.

The Red Cross has borrowed the AARC Packet Kit #1 for demonstration purposes during the

## THE AARC ANTENNA

Alaska Shield exercise in late March .

The Hughes Net satellite connection at the Club House is now operational.

Kent has compiled a preliminary Critical Emergency Communications Status Report. The preliminary report has sent to some board members for input. It lists the KL7AA station as a critical asset. Kent will make KL7AA upgrade recommendations to the Projects Committee. Kent believes the Club should ask the State ALMAR (Alaska Land Mobile Radio) for two more transceivers in addition to the four the Club now has.

### **Old Business:**

**Donations:** Lara Baker, AL2R, has contacted the Southcentral Alaska Radio Club. Jim Wiley, KL7CC, has agreed to pick up donated gear from the families of Silent Keys.

**Field Day:** Lara Baker said that no one has stepped forward to spearhead Field Day for AARC. If there isn't a volunteer by May 1<sup>st</sup> the Board may decide for AARC not to participate.

**Batteries:** Lara Baker said his employer is willing to give the Club thirty-two used but still high capacity gel cells.

### **New Business:**

**Activities:** David Heimke, AL7LO, introduced himself as the new AARC Activities Director.

**Adjournment:** The meeting adjourned at 8:06 p.m.

Respectfully submitted by  
Mark Sabel, WD6BMJ  
AARC Secretary



ANCHORAGE AMATEUR RADIO CLUB  
GENERAL MEETING MINUTES



7 March 2014  
Approved Minutes

Lara Baker, AL2R, President, opened the meeting at 6:59 pm.

Sixteen members and five guests were present. Introductions were made. At 7:04 pm President Baker stated he wasn't feeling well and needed to leave. Keith Clark, KL7MM, took over running the meeting

**Treasurer's Report:** Alice Baker, KL2GD, could not be present.

**Presentation:** Dave Snider, National Weather Service, spoke on Interface between Amateur Radio and the National Weather Service. Dave presented a short slide presentation titled, Alaska Weather Messaging/The Legend Continues. That topic was followed by a discussion on how HAMS and the Weather Service could better work together. Dave said there is a HAM VHF/UHF station at the Weather Service Office that could be made available to AARC members. Giving the Club a tour of the Weather Service Office is also possible.

**Door prizes:** Four door prizes were given out to lucky winners, including tonight's presenter, Dave Snider

**Adjournment:** Keith Clark, KL7MM, announced the meeting to be adjourned at 8:07 pm.

Respectfully submitted,  
Mark Sabel, WD6BMJ  
Secretary, Anchorage Amateur Radio Club

## THE AARC ANTENNA

### People to Help You!! 2014 Officers & Board of Directors

#### Officers

President	Lara Baker	AL2R	president@kl7aa.net
Vice President	Ron Keech	KL7YK	vicepresident@kl7aa.net
Secretary	Mark Sabel	WD6BMJ	secretary@kl7aa.net
Treasurer	Alice Baker	KL2GD	treasurer@kl7aa.net
Activities	Dave Heimke	AL7LO	david.heimke@gmail.com



#### Three Year Board of Directors

3 Year remains	Rich Gillin	AL4S	rish@gillin.us
2 Year remains	Paul Spatzek	KL7PS	paulspatzek@gci.net
1 Year remains	Jim Wiley	KL7CC	jwiley@gci.net

#### One year Board of Directors

TJ Sheffield	KL7TS	kl7ts@arrl.net
Richard Tweet	KL2AZ	rtweet@ptialaska.net
TJ Tombleson	KB8JXX	kb8jxx@wl7cwe.org
George Wil- kinson	KL1JJ	gdwilkinson2@yahoo.com
Fred Erickson	KL7FE	fredferickson@gmail.com
Kent Petty	KL5T	pettyak@gmail.com
Eric Thompson	N6SPP	n6spp@arrl.net
Vacant		

#### Other Contacts

Trustee	Keith Clark	KL7MM	trustee@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

## THE AARC ANTENNA

### Repeater Changes:

Please remove **147.27 & 443.3** repeaters from your repeater list for the time being. The power to this pair of linked repeaters was turned off as scheduled on Dec 31, 2012

The local **ARES Net** is now moved to the 147.33 repeater + shift and 103.5 tone (no UHF side at this time)

**VHF net info:** We have the Thursday Night 8:30PM Alaska Statewide ARES Net and on Sunday evenings the Alaska Statewide Linked Radio Net now at 8:30PM, both are on IRLP reflector 907 channel zero, Echolink KL7M node 1654 and Allstar node 27597. The Anchorage IRLP repeater remains 145.15 as listed.

### From your Treasurer!!!

I will no longer make reimbursements for club expenses unless I have a copy of the proper reimbursement form with all the information such as Project Number, Date of Expenditure, and Item Description on it.

This form can be found on the AARC web site (as an Excel spreadsheet)— and a hard copy is also in the Board member's books. And I will be happy to see that you get a copy.

I must have these forms in the files to back up the reimbursements.

There is a copy of this form attached to the back of this newsletter.

Thanks for your help,

Alice

### From Charlotte Rose McCormick

#### Amateur Radio (HAM) Practice Exams websites

Try them —

<http://www.hamtestonline.com>

<http://www.qrz.com/ht/>

<http://aa9pw.com/radio/>

<http://www.eham.net/exams/>

<http://hamtesting.com/>

<http://www.w8mhb.com/exam/>

<http://copaseticflows.appspot.com/hamtest>

<http://www.hamradionation.com>



## Regular Committee Meetings:

**By-Laws Committee:** Inactive at the present time.

**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 John Bury/KL7QZ, Anchorage, [907-349-8754](tel:907-349-8754).

1. Yaesu FT-857D(160M-70CM all mode transceiver) with accessories: Buxcomm Rascal Interface for digital modes with all cables; LDG FT-Meter; RT systems programming software and cable; MFJ-902 Tiny Tuner; ADM Management program and Nifty Guide. Manual, cables and original box. All separation front panel and mobile mount parts. All in new condition.

Single owner, non-smoker and pure in mind. NEW VALUE @ \$1036 AND FOR SALE @ \$725 (Fixed). Shipping paid by seller.

2. Icom IC-471A; all mode, 70CM, 25 watt transceiver. With manual and cables. Like new condition. Non-smoker, etc. NEW VALUE @ \$700 AND FOR SALE @ \$325 (Fixed) Seller pays shipping.







## Upcoming Events



### Plan ahead:

## The "Community Service" event season is gearing up!!

**Hope Walk and Roll** -- route up near Westchester lagoon.

May 3rd, 2014.

Contact Keith Clark, KL7MM to volunteer.

### **MS walk around Lake Hood**

May 10th, 2014 -- Allen Abbott KB1QCE

### **Gold Nugget Triathlon**

Sunday May 18th. -- Alice Baker KL2GD

**MS150 Bike Ride**-- has been in September

May 31st — Allen Abbott KB1QCE

**Mayor's Marathon and Half Marathon** — plus a loOt of other participating options.

Saturday, June 21st -- Alice Baker KL2GD

(This needs a least 12 Ham's at various check points along the routes.)

**Dog Jog and 5K run**-- usually mid to late July -- TJ Sheffield -- KL7TS with Keith Clark's help.

**Big Wild Life Marathon & Half Marathon**

Saturday, August 16th -- Keith Clark -- KL7MM



# THE AARC ANTENNA

Anchorage Amateur Radio Club  
 PO BOX 101987  
 Anchorage, AK 9510-1987  
[www.KL7AA.net](http://www.KL7AA.net)



ARES DISTRICT 7 & 5  
 KL7AA & KL7JFU  
[www.aresalaska.org](http://www.aresalaska.org)

## April 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 VE Testing	2	3	4 AARC General Mtg 7:00PM	5
6	7 Finance Com. 7:00	8 Projects Com. 7PM EARS Genl Mtg	9	10	11	12 VE Testing
13	14	15 AARC Board Meeting 7 PM	16 MARA Board Meeting 7 PM	17	18	19
20	21	22	23	24	25 Mara Meeting 7:00 PM	26
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  
 (no UHF at this time)

## 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: donnav@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@arrl.net](mailto:kl7yk@arrl.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>

SCRC <http://www.KL7G.org>

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

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

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

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

ARES <http://www.aresalaska.org>

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

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

ALASKA MARS: <http://www.akmars.org>

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

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

Links for Propagation: <http://www.harp.alaska.edu/>

ORP 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)

### HF 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)

### NETS in ALASKA:

The following nets are active in Alaska:

#### VHF

- **ARES Net:** 147.33 103.5Hz - Thursdays at 8:00 PM local
- **No Name Net:** 146.85/.25 repeater 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 the above locations 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

### 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@arri.net.

# 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 * *
<b>147.27</b>	<b>Powered off</b>			
<b>443.300</b>	<b>Powered off</b>			

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

## 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.

## 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

**ARES South Central Alaska District  
Contact Information Don Bush,  
KL7JFT@arri.net**

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

#### **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**

**"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 PaLink 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 also hosts a VHF RMS which provides Radio to Email service on VHF Radio in the Anchorage area.

The WL7CVG 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](mailto: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.

Permission is hereby granted to any not for profit Amateur Radio Publication to reprint any portion of this newsletter provided that both the author and Anchorage Amateur Radio Club are credited.

#### **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 at 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](mailto: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.

# THE AARC ANTENNA



Anchorage Amateur Radio Club  
 PO BOX 101987  
 Anchorage, AK 99510-1987

Statement No. 1

**STATEMENT DATE** 2013.03.01  
**Expense Reimbursement Report**

**MEMBER INFORMATION:**

Name: \_\_\_\_\_  
 CALL SIGN: \_\_\_\_\_  
 Email: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_

ANCHORAGE, AK 995xx

SIGNATURE \_\_\_\_\_

No.	DATE	HOW PAID	VENDOR	PURPOSE/DESCRIPTION	PROJECT NUMBER	ACCOUNT	CLASS	MEMO	TOTAL
1	2013.03.01								
2									
3									
4									
5									
6									
7									
8									
9									
10									
Sub Total									
Advances									
<b>TOTAL</b>									

Office Use Only

Approved \_\_\_\_\_

PAID \_\_\_\_\_

Entered \_\_\_\_\_

CHECK # \_\_\_\_\_

DATE \_\_\_\_\_

1. No. means the number of the invoice attached, i.e., the first invoice attached is No. 1, the second attached is No. 2, etc. All invoices, vouchers for which reimbursement is requested must be attached.
2. Purpose: Means the budget item, program for which expenditure occurred. It also means the specific reason for the expenditure. An entry might read "paper for newsletter" or "repair of transmitter for K1ZAA repeater"
3. How Paid: Means how you paid, i.e. check, credit card, cash, cash from petty cash fund, etc.
4. If there are several invoices relating to a single project, and several invoices relating to another project, use two or more reimbursement request forms.
5. Deliver or mail Reimbursement form and vouchers to Treasurer, P. O. Box 101987 Anchorage, Alaska 99510. Reimbursement will be mailed to you.