

# Anchorage Amateur Radio Club



**Anchorage Amateur Radio Club**

**General Meeting**

**Carr-Gottstein Building  
Alaska Pacific University  
7:00PM**

**Hightspeed MultiMedia (HSMM)**

**(Wifi for Hams)**

**Rich Gillin, AL4S**



**Presentation will initially show various mesh technologies but focus on broad-band-hamnet. We will have the WRT54G's on hand with a working mesh then we will show the ubuquiti COTS solution (ubnt.com).**

**We will break after that for a hands-on firmware flash.**

THE TRAILER has arrived and is parked at the Hamshack. Test drive is scheduled for Saturday, October 4th. For information, contact Keith Clark, KL7MM.



## 2015 Officers and Directors

Nominations for new officers and directors were held during the September General meeting, September 5th, 2014.

Those nominated are listed below.

Under the provisions of the new by-laws, the Board chose to declare all nominated Directors and Officers to be elected by acclamation because there were no contested positions and the new (and old) by-laws do not allow write-in voting.

Therefore, the following are the officers and directors for 2015.

### Officers: 2 year terms

President: Lara Baker, AL2R  
Vice President: Ron Keech, KL7YK  
Secretary: Lillian Marvin, KL7YF  
Treasurer: Alice Baker, KL2GD

### Directors:

#### Term ends December 2015:

Paul Spatzek, KL7PS  
TJ Sheffield, KL7TS  
Kent Petty, KL5T

#### Term ends December 2016:

Eric Thompson, N6SPP  
Richard Tweet, KL2AZ  
Rich Gillin, AL4S

#### Term Ends December 2017:

David Heimke, AL7LO  
Jim Wiley, KL7CC  
George Wilkinson, KL1JJ



### **NCVEC (National Conference of Volunteer Examiner Coordinators) Trip report**

By Jim Wiley, KL7CC, Anchorage VEC Chairman

This year the NCVEC national conference was held in Hartford, Connecticut. While normally held in Gettysburg, PA, which is where the "home" of the FCC amateur division is, this time the meeting was moved and timed to coincide with the ARRL 100-year anniversary convention.

The NCVEC meeting was held in the same building as the rest of the convention activities, making it easy for those several individuals who wear both a VEC "hat" and an exhibitor "hat" for major ham radio conventions. A prime example of this is Larry Pollock, who is both the NCVEC president, and the owner of the W5YI group, which includes the W5YI VEC and National Radio Examiners (who give commercial FCC exams). They also sell study guides and code practice materials. Larry purchased the W5YI group's commercial venture on the passing of Fred Maia, W5YI, several years ago.



**Larry Pollock, NB5X, NCVEC President,  
conducting the annual meeting**

The actual NCVEC meeting was held on Thursday, July 17. Once the usual preliminaries were taken care of, we had a nice presentation from ARRL President Kay Craigie, N3KN, followed by a teleconference chat with Bill Cross, W3TN, of the FCC. Joining in the teleconference were several FCC staffers from the Gettysburg, PA, main office.



**ARRL President Kay Craigie, N3KN,  
speaking at the NCVEC meeting, Hart-  
ford CT, July 2014**

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Following the noon break, the afternoon's topics centered around the two Anchorage VEC sponsored petitions that had to do with clarification and official recognition of the concept of "remote testing", or the administration of FCC amateur radio license examinations over the Internet for individuals who for reasons of distance or other circumstances cannot attend a "normal" VEC exam session, and the other having to do with relicensing for persons who formerly held an amateur radio license but who for various reasons had let that license expire and did not renew.

Both of these petitions became "official" parts of the FCC part 97 rules only a few days before the meeting, and as you might surmise, there were lots of questions to be answered. Yours truly spent a good deal of time in a free-form round-table discussion among all the VECs represented at the meeting. Lots of ideas and suggestions were offered and discussed. Most of the discussion centered around how a once licensed person would prove that they had in fact been the person who once held the requisite license, a process complicated somewhat by the fact that the FCC themselves only had records of license holders back to about mid-1965. As we all know, there are thousands of hams who were licensed before that time (myself included), and the issue of proving ownership of a call sign could be a difficult process.

The new rule as written now says that a person wanting to take advantage of this provision of the rules will still have to re-take (and pass) the current Technician exam before they can become relicensed. Once their new Technician license has been processed, they can then use the new rule to immediately upgrade to General or Extra class, depending on what license they held previously. The original petition did not contain the provision for retesting at the Technician level, but many of the comments to the petition expressed the thought that a person long separated from the hobby might need some "brushing up" on the current rules before getting back on the air, so the FCC decided to add that proviso.

As it stands now, if a formerly licensed ham (perhaps someone you know) was once licensed but that license has been expired for a period longer than 2 years and 1 day, they can use this new provision to again become active. If they held a General or Advanced class license, they will get a new General class license. If they held an Extra class license, they will of course get a new Extra class call and license.

Persons who once held an Advanced class license will get relicensed as a General class (new Advanced class licenses are not being issued), and because the new law includes the provision that the applicant must take and pass the current Technician exam, persons who once held Technician or Novice license are not eligible for the program. Like the Advanced, new Novice licenses are not being issued.

The second main part of the discussions had to do with remote testing. The new rules clarified some points that had to do with how exams are to be administered, and examined what situations would qualify for the remote testing provision. As it stands now, each VEC is responsible for deciding whether or not they will offer exams by remote means, and if they do, what procedures will be required. The basic rule that each examinee must be observed at all times by a

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team or not less than 3 volunteer examiners remains in place, as does most of the original set of rules governing exams. One part that was changed, however, was the rule that said all exams had to be scored immediately when turned in. Because exams given by remote processes obviously cannot be scored immediately, there not being 3 examiners on site, the rule was modified so that in cases of remote testing the exams are to be graded "at the earliest possible opportunity". The rule that 3 VEs must observe the exam and examinee while the test is taking place has been adjusted to allow the observation to take place by Internet video linking, such as by Skype.

Once the actual NCVEC meeting was completed, I took the opportunity to drop by the ARRL headquarters and see the W1AW station and the ARRL offices and labs. I also saw the fine collection of antique ham gear, as well as several "classic" construction products featured in the ARRL handbooks and QST magazines of years gone by. I saw the original versions of things like the 'Tuna Tin Two' transistorized transmitter, and the famous "Novice Special" 75 watt transmitter, a project from the Handbook that I tried to build. Unfortunately, I was not successful, my only excuse being that I was brand new to radio at that time, and there were no "Elmers" available. I didn't even know how to solder. I eventually ended up with one of the Heathkit DX-20 CW transmitters (which I still have) that worked after a couple of false starts.



**The famous Handbook Novice Transmitter**

I also met Zack Lau, W1VT, the main ARRL lab engineer that I have talked with any number of times when working out technical issues connected with writing questions for the Question Pools. I was surprised to meet him in person, to see that he is a bit less than 5 feet tall! Proving once again that good things come in small packages. You might recognize some of the more famous QST and Handbook projects in the glass display case behind Zack.



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**Zack Lau, W1VT**

have included a couple of photos from inside the convention hall itself, but you will get a much better idea of the convention by looking at pages 6 through 8 of the October 2014 issue of QST magazine.

The picture of myself standing among several Japanese ladies needs some explanation. They were at the booth next to the NCVEC booth, which I was helping to “man” during the event. They were selling some type of aluminum antenna tower, and wanted to have a picture of themselves with a “genuine Alaskan ham”. How could I refuse?



**Jim and the Japanese Ladies**

I also saw once particularly interesting item, a WW-II BC-348 receiver in Russian markings. The US gave several hundred of these sets, along with hundreds of Bell P-39 fighter planes to the Russians as part of the program that provided arms so they could defend themselves against Hitler. Many of these fighters were transferred by Russian pilots, both men and women, and the flights took the planes from Alaska over the Bering Sea to Russia.

Obviously, the meeting is an excellent place to do “eyeball QSOs”. Meeting face to face with other VEC leaders is always enlightening and I took back several great ideas about how to make our operation run more smoothly and effectively. After the meeting was over, I was able to get a photo of some of the gang, posed in front of the ARRL Centennial sign.

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NCVEC leaders: Left to right, Tom Fuszard, KF9PU, Milwaukee VEC; Mark Erbaugh, N8ME, (in yellow shirt) Laurel VEC; Billy Stewart, WA4PVI, W4VEC VEC; Joe Henderson, N4BC, Central America VEC; Myself (KL7CC); Maria Somma, AB1FM, ARRL VEC; Tracy Dye, W5DYE, W5YI VEC; Michelle Cim-bala, WK3X, Laurel VEC; Dianne Zimmerman, AA3OF, Laurel VEC; Larry Pollock, NB5X, W5YI VEC; and finally, Gordon Girton, W6NW, Sunnyvale VEC.

One interesting item was the absolutely perfect Collins demonstrator / emergency response van. It was found as a rusted out wreck in a junkyard, and has been lovingly restored to virtual-ly brand new condition, radios and all. This van, a mid-60's Ford Econoline, was equipped with all the latest, then brand new, Collins "S" line equipment.



**Collins Radio demonstrator and emer-gency response van.**

Finally, no article would be complete without a picture of my erstwhile helper, assistant editor and general person in charge of things that someone needs to be in charge of, Sam. Here he is at his usual position when it comes time for me to write something. Sometimes (not often) I can entice him to sit on the warm blanket atop the monitors, but he would much rather help me push the keys on the keyboard. Or chase after that mouse-looking thing he has captured in front of him!



**Sam on duty. No mice gettin' away here!**

**- Jim Wiley, KL7CC**

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Kent Petty, KL5T announced that there will be a **Simulated Emergency Test (SET)** on Saturday, October 11th — running from 0900 Local to whenever.

The following are the minutes of a Conference call between major participators.

ARES Conference Call 9/10/2014

Present on call:

Linda AD4BL SEC Alaska Fairbanks  
Ed AL7N STM Alaska Fairbanks  
Stanton KL7ST Tok  
Ray KL1IL Wasilla  
Mike KL7JBV Kodiak  
Jerry KL7EDK Fairbanks  
John KL3HM Ketchikan  
Ralph KL1AL Cordova

SET will run on Saturday October 11, 2014 from approximately 0900 Local until everyone who wants to participate has had a chance, propagation permitting, perhaps 1600 Local.

There are two parts to the planned SET exercise:. Special  
Opps CW program  
Winlink exercise

The Special Opps program will involve a CW station or stations in Fairbanks guarding CW frequencies 3940 kHz in the 80 meter band and 7113 kHz in the 40 meter band, as assigned by the ICS 205 Statewide ARES Comm Plan.

Outlying stations about the Alaska Section are requested to contact the Fairbanks Station on CW Morse, and transmit a current local weather report, (similar to a PIREP :Wind speed/direction, Temperature, Visibility, Precip. if any, And perhaps a local Barometric altimeter reading if available).

Report messages are to be in standard RADIOGRAM format and sent to the Fairbanks station, addressed to the Fairbanks National Weather Service Forecast Office. Weather report messages must carry a filing time in the message preamble. Relay the weather report messages as required if unable contact Fairbanks directly.

CW operating speed will be governed by the ability of the receiving operator. Accuracy is more important than speed. *Try* to work at at least 12 WPM if possible.

The Winlink exercise will involve text or radiogram exchanges with the Fairbanks Winlink station. You can use VHF RMS's, or HF Peer-to- Peer whichever works best. Information regarding the Winlink text or radiogram messages and callsign to send them to will be forwarded to you via e-mail prior to the SET date. Weather report messages as



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described above will also be acceptable traffic.. There will be more information that will be sent out in the next few weeks.

For those unfamiliar with standard Radiogram format, you should download the Field Service Directive FSD-218 from the ARRL website and use that as a guideline. If you need further assistance or instruction, please contact EdAL7N in Fairbanks ahead of the SET date via e-mail at

HYPERLINK <mailto:Telegrapher92@hotmail.com> and assistance will be provided.

There will also be another exercise called PREPAREDNESS EXPO on October 4th, 2014.

This is to be held at the Fairbanks Carlson-Center and Amateur Radio will have a booth at this event. The idea is to build visibility in the community as to what Amateur Radio can do in times of disaster or communications emergencies.

There will be a Winlink station set up as well as a Special Opps CW Morse station at the Carlson Center.

We intend to originate outbound radiogram message traffic solicited from the visitors to the EXPO and forward it to destination anywhere in the State of Alaska, or to points in the lower 48 via the amateur National Traffic Service. Some traffic will go via Winlink, some via CW Morse, so as to demonstrate the capabilities of both modes to the general public in case of an extended failure of "normal" communications infrastructure. Both modes have useful attributes during such an event. Other items discussed:

The Fairbanks amateurs participated in the Triennial Airport Exercise in Fairbanks a couple of weeks ago. A Hospital-Airport operation was fielded and demonstrated the amateur capabilities via Winlink in coordinating transportation operations between those two points. Amateur-direct-SMS links via cellphone to cellphone recipients was demonstrated.

Exercise was well received, and Hospital officials got a good Show and Tell out of it.

Valdez and Cordova checked in on conference call late, but were sufficiently brought Up to date on all items discussed during the call. It was good to hear from all the Participating outlying communities on the call.

Conference call concluded 720 PM local time,

Ed AL7N

STM Alaska

## News and Notes:

Craig Bledsoe KL4E, sent me the following "conversation" with Tim Comfort, NL7SK

From: Tim Comfort

Subject: Hedy Lamarr Trivia

Here you go Craig. The geezers were talking about old movies the other night and the name Hedy Lamarr was mentioned. Hedy was dabbling in communication modes way ahead of her times and are just being used today. Spread Spectrum for one.

73,

Tim, NL7SK

Hi Tim >>>

Hedy Lamarr today is considered one of the three most significant women in the history of electronics and computer programming. Here are a couple of papers from Harvard and the History Program you might enjoy reading:

[http://people.seas.harvard.edu/~jones/cscie129/nu\\_lectures/lecture7/hedy/lemarr.htm](http://people.seas.harvard.edu/~jones/cscie129/nu_lectures/lecture7/hedy/lemarr.htm)

and <http://women-inventors.com/Hedy-Lamarr.asp>

By the way, the other two women I mentioned above are Ada Lovelace, the world's first computer programmer who wrote machine (literally) code for Charles Babbage's Analytical Engine (prototype steam-powered computer) in Victorian England, and Rear Admiral Grace Murray Hopper, the World War II naval officer who subsequently worked on the UNIVAC design and wrote COBOL. Ada Lovelace was the daughter of the great English poet Lord Byron and also was connected to the creation of "Frankenstein" by Mary Shelley (see: <http://maryshelley.net/>) Grace Hopper was the prototype for Isaac Asimov's famous chief scientist of U.S. Robots, Dr. Susan Calvin (see: <http://www.susancalvin.org/index.php/who-is-susan-calvin.html> and [http://en.wikipedia.org/wiki/Susan\\_Calvin](http://en.wikipedia.org/wiki/Susan_Calvin))

A lot of interesting (and some frightening) interconnections among these great ladies.

73,

Craig

## From Ron Keech, KL7YK, KL7AA.net Webmaster

The Silent Key information on the KL7AA Website is sadly out-of-date. We need a volunteer to step up and update the information (or at least get Ron the information so he can update it.)

Also, there does not seem to be a historian for the club.

If you are willing to take on either of these tasks, please contact Ron at [kl7yk@kl7yk.us](mailto:kl7yk@kl7yk.us).

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More from Craig!

### Large Moose vs. Small Car

July 4th weekend 2014...

The woman driver walked away with minor injuries.

Be sure to note the name of the towing company in the first picture.





## ANCHORAGE AMATEUR RADIO CLUB

### BOARD MEETING MINUTES

19 August 2014

Approved Minutes



**Board Members Present:** Lara Baker, AL2R. Paul Spatzek, KL7PS. T.J. Sheffield, KL7TS. Fred Erickson, KL7FE. Kent Petty, KL5T. George Wilkinson, KL1JJ. Richard Tweet, KL2AZ. TJ Tombleson, KB8JXX. Alice Baker, KL2GD. Rich Gillen, AL4S.

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

**Board Members Present via Teleconference:** Jim Wiley, KL7CC.

**Board Members Excused:** David Heimke, AL70. Ron Keech, KL7YK.

**Board Member Unexcused:** Mark Sabel, WD6BMJ.

The President, Lara Baker, AL2R, called the Board Meeting to order. A quorum was established. Additions or corrections to the meeting agenda were requested. Lara Baker opened with a discussion of the \$5000 loan AARC provided to Boniface Bingo. Boniface Bingo had a large amount of money stolen and needed funds to meet its short term obligations. The three other organizations who receive gaming proceeds from Boniface Bingo also each lent \$5000. Boniface Bingo's theft was insured, less a \$1,000 deductible. The insurance money has yet to come through. There is a question as to whether the deductible will be split between each of the lenders, or if Boniface Bingo will simply absorb the entire \$1000 deductible.

President Baker announced that Fred Erickson, N6SPP, has submitted his resignation from the Board because of other commitments. Erickson was given thanks for all he has done for the club. Erickson will continue to be the club's Membership Chairman.

**Secretary Report:** The Secretary was not present.

**Treasurer Report:** There was no Treasurer Report this month.

**Finance Committee Report:** Keith Clark, KL7MM, reports that the 2013 financial books are complete and in the hands of the CPA, but a filing extension will be necessary due to the CPA being on maternity leave.

Clark asked all project managers who expect to make a purchase with the club credit card to first fill out an Expense Report. It must be noted on Report if the club or if a personal credit card was used. That will enable Treasurer Alice Baker to properly track the expense and possible reimbursement.

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**Grant Committee Report:** Lara Baker, AL2R, had no activity to report.

**Gaming Committee Report:** Lara Baker, AL2R, had nothing new to report beyond the prior discussion of the loan to Boniface Bingo.

**Projects Committee Report:** T.J. Sheffield, KL7TS, reported expenditures for projects in August are flat. But in September there will be the expense of shipping the new trailer to Anchorage and the cost of a helicopter ride to the Grubstake repeater site for maintenance. Keith Clark says the trailer owned by the Southcentral Alaska Amateur Radio Club will be removed from the AARC club station site to make way for the new AARC trailer.

**VE Program:** Jim Wiley, KL7CC, was excused from attending the meeting.

**Trustee Report:** Keith Clark, KL7MM, said Working Wednesdays is ongoing successfully at the club station.

**Membership:** Fred Erikson, KL7FE, stated there are approx. 230 club members, of which 204 are licensed hams.

**By-Laws:** Lara Baker, AL2R, prior to the start of the meeting oversaw drawing of lots by the board members to determine when their term of office will end as per the newly approved By-laws. The results are:

**1 Year Term** (ends December 2014): TJ Tombleson, KB8JXX. Jim Wiley, KL7CC. George Wilkinson, KL1JJ. **2 Year Term** (ends December 2015): Paul Spatzek, KL7PS. TJ Sheffield, KL7TS. Kent Petty, KL5T. **3 Year Term** (ends December 2016): Eric Thompson, N6SPP. Richard Tweet, KL2AZ. Rich Gillin, AL4S.

**ARES Report:** Kent Petty, KL5T, had nothing to report.

**Old Business: Spending On Ourselves-** TJ Tombleson, KB8JXX, observed that ham clubs whose memberships are growing focus more on family and social activities. Tombleson would like the board to consider spending more money on fun club social events and less on the missions of the groups we give money too. Tombleson stated that if our club doesn't generate interest with young people, AARC membership will decline.

Respectfully submitted by  
Mark Sabel, WD6BMJ  
AARC Secretary



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### ANCHORAGE AMATEUR RADIO CLUB

#### GENERAL MEETING MINUTES

5 September 2014  
Approved Minutes



Meeting was opened by AARC President Lara Baker, AL2R, at 7:03pm. Introductions were made. 37 members and guests were present.

President Baker oversaw the nominations and election of AARC Board Members and Officers for the term starting in 2015. Keith Clark, KL7MM, nominated all the current Officers for their same positions next year. The nomination was seconded. Current Secretary Mark Sabel, WD6BMJ, declined citing ongoing scheduling conflicts with work. Other nominations for all the positions were sought. Lillian Marvin, KL7YF, was nominated for Secretary. President Baker nominated Jim Wiley, KL7CC; George Wilkinson, KL1JJ; and Dave Heimke, AL7LO to be Board officers. No other nominations were made. Nominations were closed at 7:14pm. In that there was only one candidate for each open position, per the new By-laws, the roster was accepted for the officer and board positions by acclimation.

Then followed a presentation on computer Modern Malware Attack Vectors given by Matthew Caldwell of Borderhawk, LLC ([matt.caldwell@borderhawk.com](mailto:matt.caldwell@borderhawk.com)). Caldwell said surveys show all businesses of over a thousand employees have been the target of malware attacks. Caldwell then gave a couple of case histories, including a huge malware attack that originated in China from a government owned organization that targeted US businesses. In another case history, the governments of the US and Israel successfully targeted Iraqi nuclear centrifuges.

Last to speak was the Juneau Amateur Radio Club President Pat Moore, AL7L. Moore thanked AARC for the grant to upgrade Southeast's Winlink system. The grant included funds used to purchase a P4 Dragon modem. Moore said JARC will be seeking an additional grant that will have the goal of completing a Winlink intertie that will connect Southeast to the Yukon Territory then on to Interior and Southcentral Alaska.

Last came the door prizes; five hams walked away as winners.

The meeting adjourned at 8:13pm.  
Respectfully submitted,

Mark Sabel, WD6BMJ  
Secretary, Anchorage Amateur Radio Club

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### People to Help You!! — this information is in effect until January

#### 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

#### Board of Directors

##### 3 year term— ends 2016

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

##### 2 Year term— ends 2015

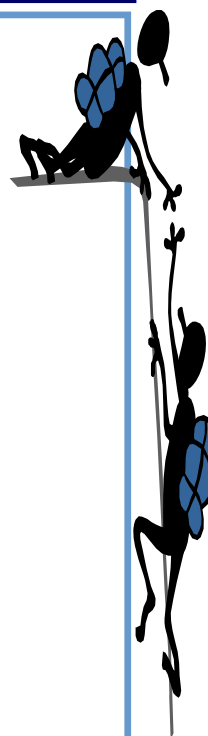
TJ Sheffield	KL7TS	kl7ts@arrl.net
Paul Spatzek	KL7PS	pspatzek@alaskapublic.org
Kent Petty	KL5T	pettyak@gmail.com

##### 1 Year term— ends 2014

Jim Wiley	KL7CC	jwiley@gci.net
TJ Tombleson	KB8JXX	kb8jxx@w17cwe.org
George Wil- kinson	KL1JJ	gdwilkinson2@yahoo.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 Direc- tor	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.

## SK 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. \$750

24-hour clock by Seth Thomas, \$25

Sennheiser HD-485 open-air, over-the-ear 32-ohm headphones \$50

Sennheiser HD-600 open dynamic hi-fi professional 300-ohm headphones \$275

Heathkit umatic keyer \$80

Triplett 666R VOM multimeter \$30

VHF amplifier Motorola N1274A 150.8 - 174 MHz, 2 ~ 6 Watts in, and 40 ~ 100 Watts output. (Works fine on 2M.) \$75

Kenwood TH-21AT 2M synthesized HT \$50

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

Solder gun Weller D550PK 200/260W professional heavy duty, \$35

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

For Sale:

A custom modular linear amplifier built by the late Hank Hove, KL7HPR. It's a 4CX1000 based, grounded grid design. The RF deck has a vacuum variable capacitor, and the tank circuit components are motor-driven with potentiometers that provide feedback to drive a control panel with digital LED readouts for tuning.

There is also full metering on the control panel, and toggle switches to control the motors. The various low voltage power supplies, etc. and ancillary circuits are on separate modules.

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A Peter Dahl Hypersil HV transformer is included, and a HV capacitor.

You will need to put together a HV supply, add a blower, do some wiring with the aid of his original schematic, etc.

I am including a full height rack for the enclosure, which is the original "Stratobruiser" cabinet. It has soft start circuitry, line filters, etc.

Pretty much a complete package for the technically capable Ham.

I never got around to putting it all together and am downsizing and cleaning out the shack, and will be retiring and moving in a couple of years. 1

Also 10-160 meters, legal limit with around 15 watts drive (as I recall from Hank.) Comes with several 4CX1000 pulls of unknown condition.

\$500 for everything above.

Hammarlund Super Pro, rough, untested condition, \$50 OBO

Hammarlund HQ-120, rough, untested condition, \$50 OBO

Hammarlund HQ-129X, rough, untested condition, with new professionally made front panel, \$75 OBO

Hammarlund SP-600 JX21, very good cosmetically, needs recap, alignment, etc. Receives some signals, needs work, \$150.

HP 3591 Selective Voltmeter w/3594A sweeping LO, \$50 OBO

HO 5245L counter w/5245C Freq. Converter .15-3.0 Ghz, \$50 OBO

Fluke 893A AC/DC differential voltmeter, \$50 OBO

Contact Dalepowell56 at gmail.com, text or call 978-4178, or home 457-3518.

Photos upon request.

Thanks,

Dale Powell, KL7V





## Upcoming Events

**Plan ahead:**

**The "Community Service" event season is over!!!**



**See you next year.**

# THE AARC ANTENNA

Anchorage Amateur Radio Club  
 PO BOX 101987  
 Anchorage, AK 99510-1987  
 www.KL7AA.net



## October 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3 AARC General Mtg 7:00PM	4
5	6	7 VE Testing	8	9	10	11 VE Testing SET exercise
12	13 Finance Com. 7:00	14 Projects Com. 7PM EARS Genl Mtg	15	16	17	18
19	20	21 AARC Board Meeting 7 PM	22 MARA Board Meeting 7 PM	23	24	25
26	27	28	29	30	31 Mara Meeting 7:00 PM	

### 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: 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>

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.gsl.net/ak-vhf/>

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

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

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)

### 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	Frequen- cy
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 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 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](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.

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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](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.