

Anchorage Amateur Radio Club



Anchorage Amateur Radio Club

General Meeting

**Carr-Gottstein Building
Alaska Pacific University**

**February 6, 2015
7:00 PM**

**Mike Melum, KL6M
Moonbounce Station Repair**



Program for Friday night:

Mike, KL6M, will present a 'sequel' to the Moonbounce briefing given to the club a couple of years ago.

Then it was about the construction and operation of the 30 foot dish for Earth-Moon-Earth communications.

This time the story is about a 106 mph wind that knocked this monster array down, and the challenge of repairing it.

Picture courtesy of Craig Bledsoe, KL4E



2015 Events:

Even though it is still winter, the increasing daylight hints at the coming summer months. With that is our series of community events where a group of amateurs practice their skills while supporting communications for various bicycle rides and medium and long distance runs. Start thinking about which ones you may enjoy assisting with. And contact the event coordinator to volunteer.

This year the club will also have Field Day events, the weekend of June 27 and 28. More information on that will be coming soon.

Lots to look forward to in 2015!

Upcoming Events

Walk/Ride for Hope

May 2, 2015

Coordinator, Keith Clark, KL7MM

MS—Walk around Lake Hood

May 9, 2015

Coordinator, Allen Abbott KB1QCE

Gold Nugget Triathlon

Sunday, May 17th

Coordinator, Alice Baker KL2GD

MS-150

May 30, 2015

Coordinator, Allen Abbott KB1QCE

Mayor's Marathon/Half Marathon

June 20, 2015

Coordinator, Alice Baker KL2GD

Dog Jog

Date undetermined — Usually the third Saturday in July.

Big Wild Life Marathon

August 16th, 2015

Coordinator, Keith Clark, KL7MM

Have you paid your 2015 dues, yet?

Who Do I Contact to Join AARC?

Fred Erickson KL7FE
12531 Alpine Dr
Anchorage, AK 99516-3121
E-mail: membership@kl7aa.net
Phone Number: 907-345-2181
Annual Dues are \$12 (prorated as appropriate)
Additional Member in same household is \$6.
Full Time Student is no charge.

Or pay at the February meeting.

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

**Anchorage Amateur Radio Club also
accepts payments via PayPal.**



Anchorage Amateur Radio Club Membership Application/Renewal

Membership Chairman: Fred Erickson KL7FE
email: membership@kl7aa.net
Phone number: 345-2181

Mail-in Membership Application

___ New ___ Renewal

Name: _____ Callsign: _____

Address 1: _____

Address 2: _____

City _____ State: _____

Zip Code: _____

Home Phone: _____

eMail address: _____

Dues for a calendar year are as follows: • Individual membership \$12.00 (prorated) • Each add'l member-same address \$6.00 • Student \$no charge¹ • Life \$250.00² --¹-"Student" is defined as any individual who is enrolled full-time at any educational institution, using the criteria for full-time enrollment of that institution. ² --If over 65 yrs old, check with Fred.

I am enclosing payment for:

Subscription/Renewal for _____ year(s).

Total USD Enclosed: _____

Please Mail your Payment and this Completed Application to:

Anchorage Amateur Radio Club
c/o Fred Erickson, Membership Chairman
12531 Alpine Dr
Anchorage, AK 99516-3121

From John Lynn, KL7CY

Oscar 7 in Popular Mechanics Feb 1976

I stumbled on this article while looking for something else and had to capture and share it.

FYI, Oscar 7 has been in service since the time of this Popular Mechanics article.



New satellites make



EARTH STATION

Dr. Peter Penham, one of Africa's flying doctors working out of a little village on the northern slope of Mount Kilimanjaro, Kenya, has been bitten by the OSCAR bug. Somebody gave Pete an old radiotelephone, a vacuum tube and some coaxial cable. The doctor added some empty aspirin tins and a quartz crystal from his airplane radio. Right out there in the African bush he fired up a home-brew transmitter built on the aspirin tins and talked to the world through OSCAR—the Orbital Satellite Carrying Amateur Radio.

The excitement gripping Pete as he built the transmitter reached fever pitch as he sent a signal up to a satellite 900 miles overhead and heard his call letters, 5Z4JJ, coming back down to his receiver. His very first chat with another ham radio operator, through the satellite, was with amateur station 4W1ED, more than 1000 land miles away in Yemen.

Since his contact last year with Yemen, Pete has communicated with amateur radio operators in 18 different countries on three continents. Meanwhile, Suby, operator of ham station VU2UV in southern India, has been talking with hams in Finland, Rhodesia, Poland, Germany, Japan and the USSR via the satellite. Dick

Cotton, owner of station W8DX in Detroit has used OSCAR to talk with hams in 51 different countries on five continents.

Vic Politi, W1NU of Fairfield, Conn., is an amateur bulletin station, broadcasting news about OSCAR through OSCAR to anybody interested. Bud Schultz, W6CG of Anaheim, Calif., has earned an award for contacting other ham operators in each of the 50 states through the satellites.

Thousands are using OSCAR

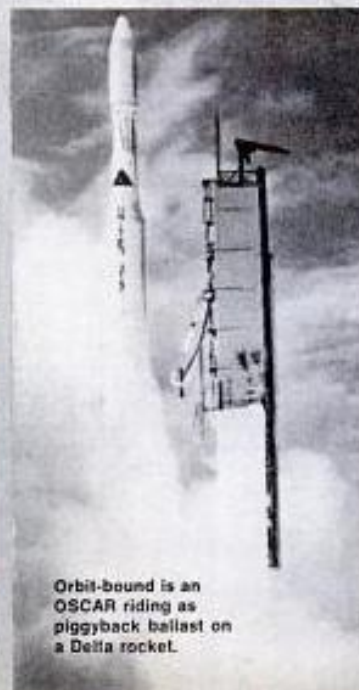
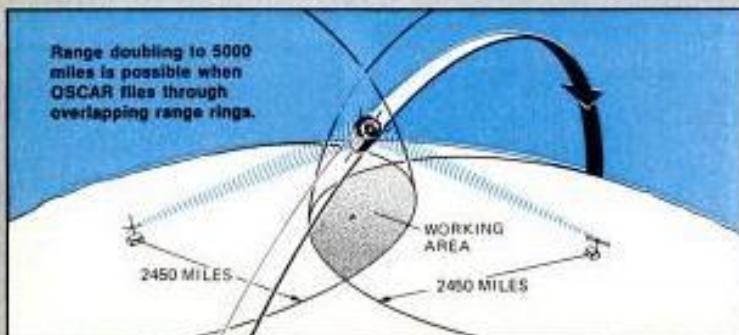
OSCAR satellites are the hottest news in ham radio. The hobby, which started radio broadcasting and point-to-point communications at the turn of this century, is in the grip of OSCAR fever. Thousands of hams in nearly every nation of the world are geared up and riding along electronically every day on two satellites they designed, built and financed. Many more are preparing for the ride.

There have been seven OSCAR satellites in orbit. All have gone into orbit as piggyback riders on rockets blasting government satellites into space. The National Aeronautics and Space Administration (NASA) uses OSCARs instead of deadweight ballast to further public education in

space science. Two ham satellites, OSCAR 6 and OSCAR 7, remain up there today, circling the globe in 900-mile-high polar orbits every couple of hours. OSCAR 6 was launched in 1972 alongside an ITCS weather satellite. OSCAR 7 rode aloft in 1974 with the NOAA 4 weather satellite and the Spanish INTASAT satellite. Hams use their satellites by transmitting signals up to OSCAR, which retransmits the signals back to Earth.

Satellites built by hams

OSCAR satellites have been built by hams from many countries. For instance, the 65-pound OSCAR 7 includes a telemetry system built by



Orbit-bound is an OSCAR riding as piggyback ballast on a Delta rocket.

ham listening more fun

You can tune in the fascinating worldwide network of amateur radio buffs whose 'homebuilt' satellites orbit in space.

by Anthony R. Curtis, K3RXK



Designed, built and financed by hams, OSCAR 7 and 6, above, receive and retransmit signals from and to Earth stations like those shown here. You can listen in.

EARTH STATION

THE AARC ANTENNA



A typical Earth station will use relatively low-powered rigs to talk through OSCAR.

Australian hams, one retransmitting system built by German hams, another rebroadcaster built by Americans, a beacon transmitter built by Canadian hams and another beacon built by a San Bernardino, Calif., ham club. New and even more sophisticated amateur satellites are under construction.

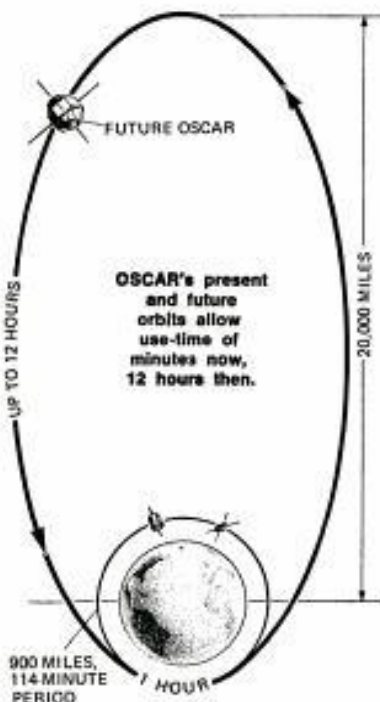
OSCAR fever hit me hard. Sputnik, Pioneer, Vanguard, Explorer, Apollo—18 years of space satellites in the news made me dream of getting into the space age. When amateur satellites made space communications possible for the man-on-the-street, I had to be in on the action. Thousands of other hams had the same gut reaction.

Anybody can listen

First, I wanted to hear the Morse-code telemetry beacon from the satellites. Then I wanted to be able to transmit through the satellites to other hams and shortwave listeners. I had a shortwave receiver just like any shortwave radio listener's. The radio was capable of being tuned to the amateur radio 10-meter band. Both OSCARs transmit down to Earth on frequencies between 29.400-29.550 MHz. Most popular general-coverage shortwave radios cover 550 KHz to 30 MHz which spans the OSCAR downlink frequencies. Anybody with one of these receivers can sit at home and listen to OSCAR.

Amateur radio operators transmit up to OSCAR on frequencies in the two-meter ham band. OSCAR repeats what it hears by retransmitting down in the 10-meter ham band. It is only necessary to listen in on 10 meters to hear everything going through OSCAR. Signals passing through OSCAR are in voice and in

(Please turn to page 131)



OSCAR HISTORY

Amateur radio will mark its 15th anniversary in space this year. It was 12:42 p.m. on Dec. 12, 1961, when a Thor-Agena rocket lifted on a pillar of flame from Vandenberg, Calif., carrying a 10-pound OSCAR satellite aboard as ballast.

Working evenings, weekends and during every spare moment in basements, garages and attics, hams have built seven OSCARs. Here's a rundown:

OSCAR 1 carried a transmitter with power of only one-tenth of a watt which transmitted telemetry in a beacon to Earth for three weeks.

OSCAR 2, launched June 2, 1962, was identical to OSCAR 1 with telemetry-beacon transmissions lasting 18 days.

OSCAR 3, launched March 9, 1965, was amateur radio's first active communications satellite. It received ham signals and retransmitted them at the high output power of one watt. It made history as the first free-access communications satellite. One hundred different amateur stations in 16 countries communicated through the satellite during its two-week life.

OSCAR 4, launched Dec. 21, 1965, was an active satellite with three watts output. It did not make a good orbit, but hams did communicate through it, including the first direct U.S.-to-U.S.S.R. contact via satellite.

OSCAR 5, launched Jan. 23, 1970, was built by students at Melbourne University, Australia, and launched from the United States under auspices of the AMSAT. Its batteries lasted 1½ months.

OSCAR 6, launched Oct. 15, 1972, is still going strong as an active repeater satellite. It hears ham signals and retransmits them. The 40-pound satellite can store messages and repeat them. It can be turned on or off by ground command. Transmitter power is one watt.

OSCAR 7, launched Nov. 15, 1974, was built by hams in Germany, Canada, Australia and the United States. It has two separate communications repeaters on board with two watts power. It can store messages for later replay, be turned on or off at ground command. Medical data, weather bulletins and other emergency communications have been transmitted through the 65-pound OSCAR 7.

WHEN TO LISTEN FOR THE OSCAR SATELLITES*

Day	Date	OSCAR over eastern U.S. p.m. EST	OSCAR over central U.S. p.m. CST	OSCAR over western U.S. p.m. PST
Sat.	Jan. 31	8:25-8:45	9:20-9:40	9:15-9:35
Sun.	Feb. 1	7:25-7:45	8:20-8:40	8:15-8:35
Mon.	Feb. 2	8:20-8:40	9:15-9:35	9:10-9:30
Wed.	Feb. 4	8:15-8:35	9:10-9:30	9:05-9:25
Fri.	Feb. 6	8:05-8:30	9:00-9:25	8:55-9:20
Sun.	Feb. 8	8:00-8:25	8:55-9:20	8:50-9:15
Wed.	Feb. 11	8:55-9:15	9:50-10:10	9:45-10:05
Thur.	Feb. 12	7:50-8:10	8:45-9:05	8:40-9:00
Fri.	Feb. 13	8:50-9:10	9:45-10:05	9:40-10:00
Sat.	Feb. 14	7:40-8:00	8:35-8:55	8:30-8:50
Sun.	Feb. 15	8:45-9:05	9:40-10:00	9:35-9:55
Mon.	Feb. 16	7:35-7:55	8:30-8:50	8:25-8:45
Wed.	Feb. 18	7:30-8:00	8:25-8:55	8:20-8:50
Fri.	Feb. 20	7:20-7:55	8:15-8:45	8:10-8:45
Sun.	Feb. 22	7:15-7:50	8:10-8:45	8:05-8:40
Wed.	Feb. 25	8:20-8:40	9:15-9:35	9:10-9:30
Thur.	Feb. 26	7:05-7:25	8:00-8:20	7:55-8:15
Fri.	Feb. 27	8:15-8:35	9:10-9:30	9:05-9:25
Sat.	Feb. 28	8:50-9:10	9:45-10:05	9:40-10:00

*These are the best listening times though the satellites can be heard at other times. A complete list of times for any month of the year is available from AMSAT.

From Ron Keech, KL7YK

Dirt/Dust/Ash and electronic toys.....

With Spring approaching, (granted it is not nearly quick enough), its time to start thinking about how to keep those expensive toys clean and fully functional.

A typical HF radio costs over \$500, is usually near a window and is a dirt magnet. Compound that natural attraction to dust/dirt/ash with a little cooking oil and you have the perfect recipe on how to kill a radio (or computer, gaming system...you get the idea).

Here in South Central Alaska we have two sources of trouble from outside the home, lots of dust and even years after the last volcanic eruption nearby, volcanic ash.

Come Spring, the roads dry out and traffic and winds stir up these problems. Inside the house we see it collecting on furniture and TV Screens. Same is true for your radios and computers. Also inside the house we have cooking oil that like it or not, gets airborne and travels all over. Add cooking oils to dust/ash and it becomes a problem for electronics. If you are in a typical home here you will be on a never ending quest to keep the dust from getting onto everything.

Most radios these days have cooling fans which while great for circulating cool air through or over the radio also draw in the problem — oils and dust. You can't simply not cool a radio of course. But you can cover it when its not in use with anything from paper towels to a pillow case. Anything to keep the oil and dust/dirt/ash from getting into or onto that expensive toy.

The combination of oil and dust will find its way into various controls for example making them scratchy to use. It can actually cause those potentiometers to fail given enough time. The oil contaminates the wafers inside and the dust/ash can act as a conductor.

Prevention is the best solution of course. But if you have already discovered a healthy layer of dust/ash inside your radio/computer, you can help things by getting a can of air to blow out the worst of it. If you find one of your radios has already developed the dreaded scratchy knob there may yet be a fix without major surgery. Several local vendors sell cleaning sprays that will help clean those wafers up. Not a perfect solution of course but it will restore the function most of the time. Look for Electronic Cleaners at Radio Shack or other vendors. Use these cleaners sparingly; a little goes a long way — try to avoid over spray as some will damage plastic surfaces.

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If you find that cooking oils are getting onto your gear, simply put, you are too close to the kitchen. That grease will attract the dirt so again covering the gear up when not in use goes a long way in keeping things in order.

If you find this advice helpful, great! If you have a better plan of attack feel free to write something up for the newsletter.

Bottom line is to retain the functionality and possible resale value of electronics.

Clean wins every time!!





ANCHORAGE AMATEUR RADIO CLUB



BOARD MEETING MINUTES

16 December 2014

Unapproved Minutes

Board Members Present: Lara Baker, AL2R. Paul Spatzek, KL7PS. Ron Keech, KL7YK. Alice Baker, KL2GD. David Heimke, AL7LO. . T.J. Sheffield, KL7TS. Mark Sabel, WD6BMJ.

Visitors Present: Keith Clark, KL7MM.

Board Members Present via Teleconference: Jim Wiley, KL7CC. Richard Tweet, KL2AZ

Board Members Excused: Kent Petty, KL5T. Lil Marvin, KL7YF. Fred Erickson, KL7FE.

Board Members Unexcused: Rich Gillin, AL4S. T.J. Tombleson, KL8JXX. George Wilkinson, KL1JJ. Eric Thompson, N6SPP.

The President, Lara Baker, AL2R, called the Board Meeting to order, at 7:01 pm. A quorum was established by the outgoing Secretary. Additions or corrections to the meeting agenda were requested.

Secretary Report: Mark Sabel, WD6BMJ, said that incoming Secretary Lil Marvin, KL7YF, is vacationing Outside. Sabel will take the December Board and January General Meetings minutes. Sabel commented that the laptop computer for use by the Secretary runs Windows XP. An upgrade is needed.

Treasurer Report: Alice Baker, KL2GD, stated she has been paying the regular bills.

Finance Committee Report: Keith Clark, KL7MM, reports the Club's CPA is working on reported Boniface Bingo restaurant income. Though Boniface Bingo reported the income to AARC and the Club paid taxes on the income, the money may have never been actually received by the Club.

Grant Committee Report: Lara Baker, AL2R, said no grant applications were received.

Gaming Committee Report: Lara Baker, AL2R, reported that the Club received a check in the amount of \$2,500 from Boniface Bingo's restaurant account on December 15th. The check is a partial repayment for the \$5,000 loan made by the club; the check amount is not income. Care will need to be taken in correctly recording the payment by bookkeepers.

Projects Committee Report: T.J. Sheffield, KL7TS, stated that of the ten projects funded in 2014, eight have been substantially completed; the other two are being revised:

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- Project 2014-006 called for a clone of the computer that is currently in the club station's front office to be installed in the HF area. But recently the Club had a windfall of the donation of twenty-four Dell OptiPlex desktop computers running 32 bit Windows 7. One will go in the HF section. Thus, there is no longer a need to purchase a new computer for HF operations.
- Project 2014-007 calls for evaluating equipment for remote access of gear via the Internet. The Committee has been evaluating the Digital Loggers, Inc. DIN Relay III. That led the Committee to decide to now evaluate a Rig Runner 4005i as an alternative.

VE Program: Jim Wiley, KL7CC, says the VE Program is running smoothly. There have been some inquiries about the new relicensing provision, but no one locally has taken advantage of the provision.

Trustee Report: Keith Clark, KL7MM, would like more members to take advantage of the weekly evening Working Wednesdays get-togethers at the club station. Member's personal projects are welcome.

Membership: Fred Erikson, KL7FE, is out-of-town. Alice Baker, KL2GD, reminded the Board that it's time to pay their 2015 member dues. All members may pay dues via PayPal.

By-Laws: Lara Baker, AL2R, hopes to start the revision process for the Club's Rules and Procedures in January.

ARES Report: Kent Petty, KL5T, was excused from this month's meeting.

Old Business: Dave Heimke, AL7LO, stated he has the 220MHz repeater working, though it needs some final tweaking before the repair can be considered complete. The repeater will be ready to be reinstalled in the next couple weeks.

The Board then discussed the possibility of moving the General Meeting to an evening other than Friday night. The objective of the possible move is to boost meeting attendance. Changing to another night at APU may present a scheduling problem for the University. Another possibility mentioned would be to meet at the BP Energy Center. President Baker found that no Board member objected to the idea changing General Meeting nights. President Baker said he'd open the topic for discussion at the January General Meeting.

Adjournment: The meeting adjourned at 7:47 pm.

Respectfully submitted by
Mark Sabel, WD6BMJ
2014 AARC Secretary

ANCHORAGE AMATEUR RADIO CLUB

GENERAL MEETING MINUTES



2 January 2015
Unapproved Minutes

The first Meeting of 2015 was opened by AARC President Lara Baker, AL2R, at 7:02pm.

Introductions were made. 29 members and guests were present.

The evening's speaker was AARC's very own Dave Heimke, AL7LO. The presentation's title was, "10 Ways To Improve Your Station". Heimke offered a number of very doable suggestions for members, be they new hams or old-timers, to make their home stations better.

Following the presentation President Baker asked for a Sense of The Membership on how they felt about moving the General Membership Meetings from Friday nights to another week night. Many members thought it a good idea and there were no strong objections to the idea, but there also was no consensus of what night would be better. There will be additional discussion at a future meeting.

Lastly, six nice door prizes were won, including an enviable 24 hour MFJ wall clock.

The meeting adjourned at 8:27pm by President Baker.

Respectfully submitted,

Mark Sabel, WD6BMJ

2014 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

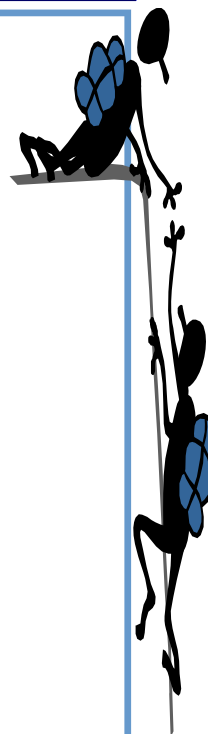
Eric Thompson	N6SPP	n6spp@arrl.net
Richard Tweet	KL2AZ	aktweeter@gmail.net
Rich Gillin	AL4S	rich@gillin.us

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.

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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 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 website for updates on availability of these items.





Upcoming Events

Plan ahead:

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

May will be busy.

2015 Events:

Walk/Ride for Hope

Coordinator, Keith Clark, KL7MM

MS—Walk around Lake Hood

May 9, 2015

Coordinator, Allen Abbott KB1QCE

Gold Nugget Triathlon

Sunday, May 17th

Coordinator, Alice Baker KL2GD

MS-150

May 30, 2015

Coordinator, Allen Abbott KB1QCE

Mayor's Marathon/Half Marathon

June 20, 2015

Coordinator, Alice Baker KL2GD



THE AARC ANTENNA

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



February 2015

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

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

1st 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.

1st 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.

1st 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

2nd Saturday each month: PARKA (Polar Amateur Radio Klub of Alaska) Meeting at 11:00

AM. Polar Amateur Radio Klub of Alaska. All amateurs welcome. 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+.

2nd 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.

3rd 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 or kl7yk@arrl.net

4th 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.

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

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

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

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 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 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
147.33 +	103.5	WL7CVF	Cross linked to 443.900	Very Wide Area **
443.900 +	103.5	WL7CVF	Cross linked to	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

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

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.

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

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.

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 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" 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 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.

Thanks for your help in this.