

Anchorage Amateur Radio Club



Anchorage Amateur Radio Club

General Meeting

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



**Note: We are back to the usual room for
the meeting.**

**The August Meeting will be aimed at getting membership approval for
the revised by-laws.**

Come and vote for your club's rules.

There will be a radio as a one of the door prizes.



From Fred Jensen, K6DGW

Printed in the Sierra Foothills Amateur Radio Club Newsletter.

January 2011

MISCELLANEOUS RADIO

Fred Jensen, K6DGW Reciprocity

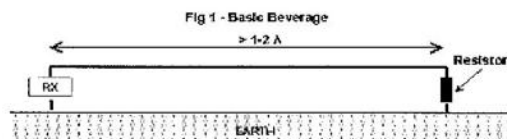
One of the really big things we take for granted in our everyday lives is the concept of reciprocity. It's sort of, "What goes in, comes out." For example, on a very hot, sunny day, and you wear a black shirt, you will get hot. Black absorbs infrared very well. On a cold day, it also radiates well ... don't wear black when it's cold. On the other hand, a white shirt on a hot sunny day will reflect much of the heat, and you'll be a lot cooler. Likewise, on a very cold day, white clothes will keep you warmer than dark clothes which will radiate your body heat as fast as they collect it on a hot day. This is the origin of the physics term, "Black Body Radiator." OK ... I made that part up, it isn't the origin of the term but I couldn't resist, and the principal is valid.

We expect that an antenna that "get's out well," will also "get in well" too, and that is usually the case. On any given antenna, it will hear about as well as it transmits. Your transmit power compared to the power of the station you want to contact does matter, but for equal power, we expect our antennas to work both ways about equally well.

This, however, is not always the case. Sometimes, receiving as well as you transmit isn't the best strategy. The big factor is Signal to Noise ratio. An S6 signal is likely to be loud in your headphones ... unless your PG&E noise level is S7, when it might be discernible at best. At the Coastal Marine station I worked at as a HS Senior, we had various antennas. The Point-to-Point guys had rhombics aimed where they talked to. We had wide Vee beams, [huge by ham standards], which spread our 5KW signal over broad swaths of the Pacific. At our receiving site, right on the coast, we had similar antennas ... and several others for receiving only ... which is the subject of this month's Miscellaneous Radio.

Possibly the most common receiving antenna is the Beverage antenna, named for Harold Beverage who fooled around with antennas meant strictly for receiving around 1919 or so. It is a "traveling wave" antenna, and is amazingly simple. And, strangely, it violates just about everything we commonly believe about antennas.

Figure 1 shows the basic unidirectional Beverage. It



comprises a wire, one to several wavelengths long strung a few feet above the ground. The receiver connects between the wire and ground at one end. The other end is terminated in a resistor to ground. The impedance of such an antenna will be in the 400 ohm range, and that's the value for the resistor.

How Does It Work? A plane wave arriving from the right travels down the wire. Because the wire is low, the impaired conductivity of the ground causes the wave front to tilt over in the direction of travel, and in doing so, it induces current in the wire traveling in the direction of the receiver. The currents at each instant [and thus point along the wire] are in phase and add, eventually reaching the receiver. The wire is not resonant, so the length is not critical however longer is better ... a longer wire provides more time for the wave to induce currents.

A wave arriving from the left does exactly the same thing, and the power it induces is dissipated in the resistor and does not appear at the receiver. Waves arriving parallel to the wire [i.e. into/out of the page] cut all parts of the wire at the same time and induce no current. Thus, this configuration is directive, receiving signals from the direction of the resistor and rejecting those from other directions. This directivity is quite striking in fact, and the longer the wire, the more pronounced it becomes.

So, What Does This Do For Us? The Beverage is typically a low-band antenna. Extremely long ones [as in several kilometers] operate in the LF bands below the AM broadcast band. Ham Beverages are usually several hundred meters long and operate at 80 and 160 meters. At these frequencies, it is nearly impossible to obtain directivity with what we normally use, such as multi-element yagi's. At the lower frequencies, atmospheric noise dominates, and the directivity will shut out a great deal of the received noise, greatly improving the signal to noise ratio at the receiver.

There is a down side to this however. The antenna is very inefficient with gains ranging from -10 dBi to -20 dBi or worse. At first, this sounds pretty awful, and no one ever attempts to transmit into such an inefficient antenna. However, since atmospheric noise dominates the receiver input at these frequencies, the improved S/N translates into the ability to copy signals you wouldn't hear on a typical 160 meter transmitting antenna. And, you can always include a receiver preamplifier to bring the absolute signal input level to the receiver back to normal.

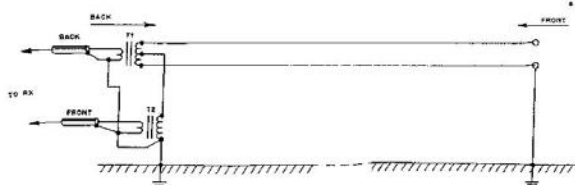
Receiving on a Beverage is a very interesting experience, especially if you can switch between it and the transmitting antenna. On the Beverage, the receiver gets really quiet, both from the directivity eliminating noise from all but one direction, and from the inefficiency. The desired signal just stands out from the weak noise however, and often is not

THE AARC ANTENNA

discernible on the efficient transmitting antenna. Serious top-band operators will have an array of Beverages, generally fanning out from a central point, with a selector switch to choose the one to be used for any given QSO.

If you omit the resistor, the antenna becomes bi-directional. A wave arriving from the right behaves as before. One arriving from the left induces currents which reflect from the unterminated end and travel back down the wire to the receiver. The noise capture goes up since you're now hearing in two directions, but if you can only have one antenna, pointing the open end at about 070 degrees gives you coverage of much of the US and Europe, and the reciprocal coverage is at about 250 degrees, pretty much right at the south Pacific.

As usual, there are all sorts of variants of this theme. One is the two-wire Beverage. A wavefront arriving from the right induces currents in both wires which cancel in the transformer such that nothing shows up



on the "BACK" coax. The common-mode currents exit via the center-tap and the second transformer sends them to the "FRONT" coax.

A wavefront arriving from the left also induces currents in both wires. The currents in the bottom wire are shunted to ground at the far end. Those in the top wire reflect, travel back down the wire, through the transformer, out the bottom wire and also to ground. That current through the transformer sends the signal out the "BACK" coax. Since the transformer is balanced, nothing comes out the center-tap so nothing gets fed down the "FRONT" coax. So, using this scheme, you can cover all of the compass directions with half the number of antennas.

The antennas are typically supported on short insulated poles, 2 – 3 meters off the ground. A wavelength at 160 meters is 525 feet, probably bigger than any dimension of a typical city lot, so you tend to find beverages in ham installations on significant land. We live on 5 acres, and the longest dimension of the property is about 800 ft, unfortunately in a N-S direction. I can get about 500 feet of wire strung out in an approximately 070° – 250° line. It's not exactly straight, and it has to cross the driveway and a couple of barbed wire fences, however strangely, none of this really matters. I just string it out when I need it for a contest, and then wind it back up when I'm done. It

crosses the driveway on the ground. In fact, you can lay out your entire Beverage **on** the ground! It's called a BOG [Beverage On Ground], and will be somewhat more inefficient than one supported above ground, but it works just fine.

There are a number of receiving-only antennas in use, some of which do not require the space that a Beverage does and the plan is to cover several of them in succeeding issues in 2011. Happy New Year to everyone, hopefully the upward trend in sunspots and solar activity we've seen in the latter part of 2010 will continue.

73,

Fred K6DGW

Hi Alice,

Did a year at Galena AFS when I was first commissioned in 62, Alaska was a very happy time for me ... very small base, no visitors, and I had a lot of time to learn how the AF worked.

You have my permission to use it. "Editor" is a tough job, been there.

73,

Fred K6DGW

- Northern California Contest Club
- CU in the 2014 Cal QSO Party 4-5 Oct 2014
- www.cqp.org



Pictures were taken by Lara Baker, AL2R — from the infield at Service High.

Saturday, July 19th, 2014

TJ Sheffield, KL7TS, and Keith Clark, KL7MM, did the major work of setting up the Dog Jog Trail at Service High School — along with setting up all the water stations and signs. And of course, packed everything up afterward.

Also helping with communications were Lara Baker, AL2R, and Alice Baker, KL2GD.



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News and Notes:

Good morning.

I am Lynn Burlingame, N7CFO, the newly appointed Assistant Director for the ARRL Northwestern Division. I will be handling special projects for Director Jim Pace, K7CEX.

The purpose of this email is twofold.

First, I am making a mailing list for affiliated clubs in your section. Please see the attached PDF and reply with any corrections. The source for this list was the affiliated club listing in the master ARRL database. Please note that some clubs annual reports are past due. Information about updating the annual report can be found at

http://www.arrl.org/files/file/Clubs/Club%20Update%20procedure_20120313a.pdf

Second, I urge that you contact your club members about HR4969. The following is an excerpt from the August 2014 Northwestern Division Newsletter.

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"HR 4969 - AMATEUR RADIO PARITY ACT OF 2014> Here is an opportunity for you all to get involved. HR4969, if passed, would direct the FCC to extend PRB-1 to Home Owner Associations and CC&Rs. PRB-1/HR4969 is not a blank check, but would require 'reasonable accommodation' for Amateur Radio antennas.

What we need now is to have our members, with good writing and speaking skills to write, call and/or visit your Congressional Representative, and ask them to 'co-sponsor' HR4969. More on the bill can be found at: <http://www.arrl.org/hr-4969>.

We have some competition from the Community Associations Institute (CAI) who oppose our Bill and are activating their members to encourage Congress to defeat the Bill. Remember, we are asking for two things: co-sponsorship from our Congressional Representatives and within the Bill, 'reasonable accommodation'.

As of this morning, our 'co-sponsors are: Rep. Joe Courtney (D-CT), Rep. Michael Grimm (R-NY), Rep. Peter Welch (D-VT), Rep. Christopher Gibson (R-NY) and Rep Mike McIntyre (D-NC) - along with the Bill's sponsor Rep. Adam Kinzinger (R-IL). This is a great start but we would like 30 co-sponsors.

President Craigie has set up a Twitter account to push out activities as she hears about them: @KayCraigieN3KN. The hash tag for the bill is #hr4969. I'll keep you all updated as I receive more progress reports. Let me know if you have any success in your endeavors. Together, we can make this happen!"

+++++

73,

Lynn Burlingame, N7CFO, Assistant Director
ARRL Northwestern Division

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News and Notes:

Good Morning >>>

As we were cleaning up at the conclusion of the Kenai Hamfest, I hauled off a brand-new complete docking station kit for a Lenovo or IBM Thinkpad. This includes the port replicator, wrist rest, power components, and more.

If you have a Thinkpad laptop or know anyone who does, please give me a call to arrange delivery. Additional details and model number, etc. available upon request.

73,
Craig, KL4E

TEL: (907) 694-4730

Cell: (907) 242-4730

Since there was no AARC General meeting in July, there are no minutes from such a meeting.

Pictures of the new AARC Trailer.

It is my understanding that the trailer has been shipped from the manufacturer — and is probably in Seattle waiting for a barge.



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ANCHORAGE AMATEUR RADIO CLUB

BOARD MEETING MINUTES

17 June 2014

Approved Minutes



Board Members Present: TJ Sheffield, KL7TS. George Wilkinson, KL1JJ. Alice Baker, KL2-GD. Lara Baker, AL2R. Ron Keech, KL7YK. Paul Spatzek, KL7PS. TJ Tombleson, KB8JXX. Kent Petty, KL5T. Rich Gillin, AL4S. David Heimke, AL7LO. George Wilkinson, KL1JJ. Richard Tweet, KL2AZ.

Visitors Present: Keith Clark, KL7MM.

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

Board Members Excused: Fred Erickson, KL7FE. Mark Sabel, WD6BMJ.

Board Members Unexcused: --

The President, Lara Baker, AL2R called the Board Meeting to order, at 7:02 pm. A quorum was established. Additions or corrections to the meeting agenda were requested and approved.

Secretary Report: Secretary Mark Sabel, WD6BMJ, was excused from attending the meeting.

Treasurer Report: Alice Baker, KL2GD, presented the Profit and Loss Statement for the current fiscal year to date. Total Income (including \$19,811 4th quarter 2013) is shown to be \$38,178.28. Total Expenses (including a \$20,000 progress payment for trailer) is shown to be \$54,273.18. Both income and expenses closely match the club's budget.

Membership: Fred Erikson, KL7FE, was excused from the attending the meeting.

Finance Committee Report: Keith Clark, KL7MM, reports the Committee is waiting for the club's CPA to finalize the 2013 accounting books. Lara Baker, AL2R, and Alice Baker, KL2GD, have signed the first bingo Quarterly Report and submitted the Report to the State in a timely manner.

Grant Committee Report: Lara Baker, AL2R, reported that no new grant requests have been received. No grant money has been sent.

Gaming Committee Report: Lara Baker, AL2R, has just signed a \$1,000.00 gaming proceeds check which is not shown in the Profit and Loss Statement.

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Projects Committee Report: TJ Sheffield, KL7TS, asked for a motion to discuss a new proposed project called Antenna Switching. Rich Gillin, AL4S moved the motion. TJ Tombleson, KB8JXX, seconded. The project would focus on purchasing and installing a new automated antenna switching controller for the club station. The controller would allow up to four radios to access up to eight antennas. The estimated amount is \$2,018.00. TJ requested up to \$2,500.00 be authorized for the project. Discussion followed. Ron Keech, KL7YK, moved the request. TJ Tombleson, KB8JXX seconded. The Board approved the project unanimously. TJ Sheffield then assigned the project code number 2014-003.

VE Program: Jim Wiley, KL7CC, reports the requested rule changes have been approved for hams with long expired licenses to be granted new licenses. The changes will be detailed in the upcoming AARC newsletter.

Trustee Report: Keith Clark, KL7MM, requests that after Field Day a copy of the event log be given to him.

By-Laws: Lara Baker, AL2R, states the proposed by-laws were handed out at the June General Meeting and discussed. The proposed by-laws will also be emailed. A vote will be held at the August General Meeting. If passed, the new by-laws will go into effect immediately. Terms for club officers will be determined by drawing lots at the August Board Meeting.

ARES Report: Kent Petty, KL5T, had no report this month.

Old Business:

- **Field Day:** Eric Thompson, N6SPP, invited hams come to the club station for Field Day operations. Rich Gillin, AL4S, plans on operating digital modes at the club station. Rich requested up to \$500.00 be allocated to cover food expenses during Field Day. Ron Keech, KL7YK moved the request. Paul Spatzek, KL7PS, seconded. The Board passed the request unanimously.

New Business:

- **Spending On Ourselves:** TJ Tombleson, KB8JXX, asks Board members to consider how the club can energize and motivate the local amateur radio community, in particular young hams. The goal is grow the club's membership.
- **Internet At The Shack...Past and Future:** Rich Gillin, AL4S, says the club house internet speed is slower than it once was. The ACS technician couldn't determine why. The club is currently paying \$89/mo. For approx. \$10.00/mo, GCI can provide 12x our current speed. Rich will follow-up with an email to the board.

Adjournment: The meeting adjourned at 8:15 pm.

Respectfully submitted by
Mark Sabel, WD6BMJ
AARC Secretary

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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 Direc- tors

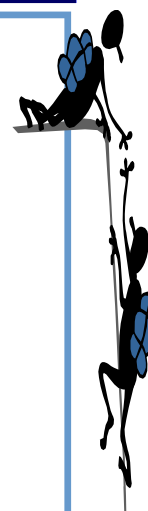
3 Year remains	Rich Gillin	AL4S	rish@gillin.us
2 Year remains	Paul Spatzek	KL7PS	paulspatzek@alaskapublic.org
1 Year remains	Jim Wiley	KL7CC	jwiley@gci.net

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



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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.

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: 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 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.

Contact Lillian Marvin, KL7YF at 907-277-6741 for information.

1. Astrom 50 amp power supply \$450 OBO.
2. Variac autotransformer \$600.00 OBO.
3. Crank up tower \$200.00





Upcoming Events

Plan ahead:

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

Big Wild Life Marathon & Half Marathon Sunday, August 17th -- Keith Clark -- KL7MM

Keith still needs several people to help with these Marathons.



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



ARES DISTRICT 7 & 5
KL7AA & KL7JFU
www.aresalaska.org



August 2014

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

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

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: don-nav@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@arri.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

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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> (not operational)

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> (not operational)

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

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

ALASKA MARS: <http://www.akmars.org> (not operational)

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

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

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

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

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

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

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

Propagation Report Recording 566-1819

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

Report dead links or bad info to editor@kl7aa.net

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

- **ARES Net:** 147.33 103.5Hz - Thursdays at 8:00 PM local
- **No Name Net:** 146.43/.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 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

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
147.33 +	103.5	WL7CVF	Cross linked to 443.900	Very Wide Area **
443.900 +	103.5	WL7CVF	Cross linked to 147.330	Very Wide Area **
147.27	Powered off			
443.300	Powered off			

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

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

THE AARC ANTENNA



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



Are you an
ARRL Member...
Life Member?

www.arrl.org/benefits

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.

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 PacLink or Airmail software and a Pactor 1-3 capable Terminal Mode Controller (TNC). If the Internet is lost to the area the RMS will forward messages to another RMS over HF Radio. Being HF Radio based, the coverage area is quite large. While it is intended for intra-Alaska use we have stations from as far away as Arizona using the HF RMS to pass email traffic to the internet on occasions.

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

The WL7CVG and KL7AA RMS's frequency listings, etc. can be found on www.Winlink.org.

THE AARC ANTENNA

KL7AA HAMSHACK

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

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

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

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

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Newsletter Submissions, Information or Corrections:

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

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.