

# ANCHORAGE AMATEUR RADIO CLUB NEWSLETTER



Next General Meeting  
June 2, 2017  
Carr Gottstein Building - 7:00pm



## June Meeting Presentation

The June Membership meeting speaker is T.J. Sheffield KL7TS, AARC board member. T.J. will give a presentation on Cross Band Linking.

# Field Day 2017



AARC's participation in Field Day 2017 will be from the FCC Building location (6721 Raspberry Rd). Details as to setup/teardown/ operation will be given at the Membership meeting June 2nd, but typically volunteers meet at the AARC Club station on Rowan Street at 9am on Friday and caravan to the site for setup. Operation runs from 10am Saturday –10am Sunday. Tear-down and return of the equipment to Rowan Street begins at 10am and continues until complete. Volunteers are needed and greatly appreciated.

Be sure to check out the new KL7AA website at [www.KL7AA.net](http://www.KL7AA.net)

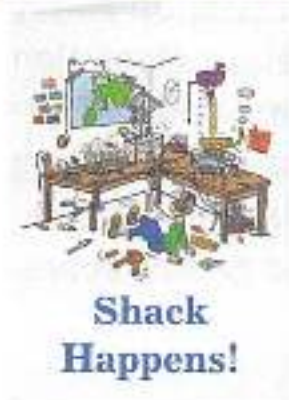
The website continues to be upgraded daily. Check back often to follow the progress of the team working this project.



## AARC Open Board Positions

The Anchorage Amateur Radio Club is seeking interested members to serve on the AARC Board of Directors to fill a vacant Directors position which is currently vacant and also for the position of Treasurer which will be vacant January 1st.

The Board also continues to seek a permanent newsletter editor. Have fun promoting the hobby while putting your distinctive touches on the Newsletter! If interested or if you know of someone who is, please contact any AARC Board member.



## ARRL News Brief

### QB-50 Constellation Satellites Deployed from ISS

05/26/2017

More than 2 dozen **QB50** constellation CubeSats have been deployed from the International Space Station (ISS), including three carrying Amateur Radio transponders. Built by student groups from 23 countries, the string-of-pearls QB50 constellation aims to study the lower thermosphere 200-380 kilometers above Earth. The satellites were launched to the ISS onboard an Atlas V rocket in March.

In all 28 QB50 2U and 3U CubeSats were released into orbit between May 16 and May 25. These included **LilacSat-1** (ON02CN), which includes an Amateur Radio VHF/UHF FM to Codec2-BPSK digital voice transponder, APRS digipeater, and a camera; **X-CubeSat** (ON01FR) and **SpaceCube** (ON05FR). LilacSat-1's transponder's FM uplink is 145.985 MHz (67 Hz CTCSS tone); the Codec2 9600 bps BPSK downlink is 436.510 MHz. The uplink frequency for both X-CubeSat and SpaceCube is 145.860 MHz (210.7 Hz CTCSS tone). Downlinks are 437.020 MHz for X-CubeSat and 436.880 MHz for SpaceCube.

LilacSat-1 was developed at the Harbin Institute of Technology. Its primary payload is an ion and neutral particle mass spectrometer, developed by the University of London, to measure the mass and distribution of charged and neutral atoms. Shortly after its deployment LilacSat-1 took a picture of the ISS solar panels, and the image was received by students on 70 centimeters, using 9,600 bps BPSK.

Eight other QB50 CubeSats will be placed into orbit from India onboard Polar Satellite Launch Vehicles (PSLVs). No launch campaign has been announced for another four QB50 CubeSats. All of the QB50 CubeSats have downlinks between 435.8 and 438 MHz, and reports from radio amateurs are welcome.

In 2014, two precursor QB50 CubeSats were launched — QB50p1 (EO-79/FunCube-3) and QB50p2 (EO-80). Both carried Amateur Radio transponders.



ANCHORAGE AMATEUR RADIO CLUB  
MEMBERSHIP MEETING  
May 5, 2017  
Carr Gottstein Building – APU Campus  
Anchorage, AK

**Call to Order**

The meeting was called to order at 7:00 PM by President Lara Baker AL2R. A quorum was established (17 in attendance). Members and guests introduced themselves.

**Business**

None

**Presentations**

Kent Petty KL5T gave a brief, live demonstration of the AARC MESH network. Kent noted that there are currently 9 sites in Anchorage operating on the MESH, the operating power consumption is next to nil, operation is in the 3.4GHz amateur band, basic setup costs, and offered information to anyone wishing to set up their own MESH node.

Lara Baker AL2R reported on DHS interest in MESH networks for a quick option of recovery after a disaster and also reported on new fiber optic operations recently lit up in Northern Alaska.

Dave Heimke AL7LO reported on AARC's very successful involvement in the recent IDEA Home School event at the Egan Center. 2 meter operation was demonstrated as well as Morse code. There were an estimated 25 kids interested in the hobby.

Dave Heimke also reported on AARC's 2017 Field Day event which will be held at the old FCC Building at 6721 Raspberry Road as it was 2 years ago. The 2 day lease application has been filed with the Airport for use of the property. Volunteers are being sought for set-up/tear down, station operation, meals/coffee/sodas. Watch the k17aa.net website for more information. Field Day will be on the last weekend in June (24/25) operating from 10am Saturday to 10am Sunday.

Dave Heimke also presented on the current status of AARC Building Committee project 2017-001 (Lease/Occupy of old FCC Building). Dave reported on the May 1<sup>st</sup> meeting with Airport Leasing to discuss the lease and rates. The airport appears to be positive in making this lease work for the club. The building appraisal provided that there were no comparable properties to base their analysis on and were forced to make extraordinary assumptions. This requires additional work by the Building Committee in order to achieve an affordable lease for the property.

Additional meeting discussion noted the Eclipse QSO party on August 21<sup>st</sup> where propagation before, during and after the event will be tested and discussed.

Volunteers for events such as the Walk and Roll for Hope and the MS150 are still being sought. Prior experience in these events is not required as an unexperienced operator will be paired with a seasoned one.

General discussion noted that the .30/.90 and .33/.93 repeaters are down with an unknown return to service date. AARC cannot afford to hire a helicopter to get to the site in order to make repairs and are waiting for when ArcticCom makes a trip to the site to see if we can accompany them to make repairs.

**Door Prizes**

3 door prizes were awarded.

The meeting adjourned at 8:11pm

Respectfully submitted as recorded on May 5, 2017 by: Richard Tweet KL2AZ, Secretary

ANCHORAGE AMATEUR RADIO CLUB  
BOARD MEETING  
May 16, 2017  
Hope Resources Building  
Anchorage, AK  
(UNAPPROVED at Printing)

The meeting was called to order at 7:05 PM by President Lara Baker AL2R

A quorum was established: (2 Officers, 7 Board members needed)

**BOARD MEMBERS PRESENT:**

Lara Baker AL2R, Alice Baker KL2GD, Keith Clark KL7MM, George Wilkinson KL1JJ, Kent Petty KL5T, Lil Marvin KL7YF, Richard Tweet KL2AZ, Dave Heimke AL7LO, T.J. Sheffield KL7TS, Dan Knapp KL4CX.

**BOARD MEMBERS PRESENT VIA TELECONFERENCE:**

Jim Wiley KL7CC

**NON-VOTING MEMBERS/GUESTS PRESENT**

None

**EXCUSED BOARD MEMBERS**

Allen Abbott KB1QCE (Activities Manager), Rich Gillin AL4S

**UNEXCUSED BOARD MEMBERS**

None

**REQUEST FOR AGENDA ITEMS**

Add Equipment as a standing report to future meetings

**GUESTS**

None

**TIME CRITICAL ITEM(S)**

None

**REPORTS**

**SECRETARY REPORT**

Richard Tweet KL2AZ presented the previous minutes for the April 18, 2017 Board Meeting and May 5, 2017 General Membership meeting. Motion made by Keith Clark KL7MM, seconded by Alice Baker KL2GD to accept the minutes with a minor correction to members in attendance. Motion carried

**TREASURER'S REPORT**

Alice Baker KL2DG gave the Treasurers report noting bills have been paid. AARC has received \$5 from Amazon Smile, zero income and no payments received from restitution. A problem has arisen in printing checks from QuickBooks, so until resolved they will be hand written.

## **FINANCE COMMITTEE**

Keith Clark KL7MM reported on the May 8, 2017 Finance Committee meeting. Members using Amazon Smile have resulted in a \$5 payment, restitution case is being researched, and inspection/appraisal is complete on FCC Building.

## **PROJECTS COMMITTEE**

Kent Petty KL5T reported on project status at the Anchorage Senior Center and noted Sid, KL7SID (Senior Center EC) is his contact there. Rotor control cables are installed, rotor install is next followed by antenna installation.

## **GRANT COMMITTEE**

Lara Baker AL2R reported there have been no grant requests received and no grant applications have been made on behalf of AARC. Lara reported on the Grant Committee's meeting with Laurie Wolf of the Foraker Group and the suggestions/guidance she provided to the committee for obtaining grants.

## **GAMING REPORT**

Lara Baker AL2R reported gaming reports are still being timely filed with \$0 gaming receipts and the AARC remains in good standing with the state gaming commission.

## **BUILDING COMMITTEE**

Dave Heimke AL7LO reported on the May 1<sup>st</sup> meeting with the airport leasing department. The committee was to reengage with the commercial appraiser to discuss the comparables and extraordinary assumptions the appraiser used to determine the \$.70/sf lease rate for the FCC property. The committee is actively building the case to be presented to the appraiser at a future meeting in order to achieve an agreeable lease rate. Dave presented the board with all lease options presented by airport leasing, application status, rent credits and use of volunteer labor, additional inspections for follow up discussions with the appraiser, certificate of occupancy, and the need for development of an AARC mission statement.

## **VE REPORT**

Lara Baker AL2R reported on the last testing session resulting in a new Technician and a new General licensee. Discussion was held on submissions and the FCC response files, remote vs. online testing, costs associated with printed exams, possible fees for testing.

## **TRUSTEE REPORT**

Keith Clark KL7MM reported that the KL7AA renewal was within the 90 day renewal window and was filed. Keith will be writing a letter of reference for a member applying for a college memorial scholarship. KL7AA will be used for Field Day and Keith will contact Randy Vallee for use of KL7G for the event. The Gold Nugget Triathlon volunteers will be using the .94/.67 repeaters. Lara reported that he has access to a helicopter that can be used to service the .30/.33 repeaters. Discussion noted the .30/.33 repeaters are not AARC's responsibility but are ARES to maintain. Jim Wiley KL7CC noted he is the Trustee for the ARES repeaters.

## **MEMBERSHIP REPORT**

None as Rich Gillin AL4S was excused

## **BY-LAWS**

none

## **OLD BUSINESS**

**KL7AA Web Migration** – No discussion as Rich Gillin AL4S was excused.

**Vacant Board Position** – In addition to a vacant Board position, it was noted the AARC Treasurer position will become vacant at the end of December. The Treasurer position requires approximately 2-3.5 days per month for work required by the position. AARC encourages anyone interested to contact any Board member.

**Newsletter Editor** – This position remains vacant and is temporarily being filled by Richard Tweet KL2AZ.

## **NEW BUSINESS**

**AARC Naming** – Deferred to June Board meeting in the interest of time

**Project 17-001 (Access Policy-FCC Building)** - Deferred to June Board meeting in the interest of time. Dave Heimke AL7LO will provide a draft policy for discussion.

**AARC Education Manager** – Discussion was held on the anticipated duties of the position and the need for a qualified candidate(s).

**AARC Vision Statement** – This will be presented/discussed at the June Board meeting.

## **PROGRAM FOR JUNE MEETING**

T.J. Sheffield KL7TS will present on operations utilizing Cross Banding.

## **ADJOURNMENT**

The meeting adjourned at 8:30 pm.

Respectfully submitted as recorded on 05/16//2017 by Richard Tweet KL2AZ, Secretary



Don't forget to sign up at [smile.amazon.com](https://smile.amazon.com) and choose to support the Anchorage Amateur Radio Club where a portion of each purchase supports the 501c(3) charity of your choice .



# 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 Thursday each month: Moosehorn Amateur Radio Club General meeting - 7:00 PM** Location is at Borough Emergency Response Center on Wilson Way in Soldotna (behind Soldotna FD. Call for directions on 146.88 repeater (no tone). Moosehorn ARC also holds a weekly luncheon every Thursday, locations and times change — contact George Van Lone, KL7AN: [donnav@acsalaska.net](mailto: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 Wednesday of each month: EARS general meeting at 6:00 PM.** EARS meetings are held at the EARS shack location. Contact info - Ron Keech, KL7YK for information. EARS: 552-2664 (recording); Talk in on 146.67-. Email: [club@KL7air.us](mailto:club@KL7air.us) or [kl7yk@arrrl.net](mailto:kl7yk@arrrl.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](mailto: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 147.33 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).



## Active Nets in Alaska

### VHF NETS

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 nodes provide a talk" or chat function. Also, if you are unable to connect directly to one of the nodes, try digipeating through EARS on either frequency. Do this by typing *c eagle v ears* or *c valley v ears* on the appropriate frequency. Check [www.KL7AIR.us](http://www.KL7AIR.us) for more information on the digipeaters.

**ARES Net:** 147.33 w/ 103.5Hz tone—Thursdays at 8:00PM

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

**South Central Simplex Net:** 146.52 FM, 144.2 USB, 446.0 FM, 432.2 USB, 223.5 FM, 927.5FM, 1294.5 FM, 52.525 FM, 50.125 USB, 29.6 FDM, 28.4 USB, 145.01 Packet (Eagle Node), 147.96 Packet (Valley Node) - Tuesdays 8:00PM

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

**Alaska Morning Net:** The Alaska Morning Net is held Monday through Saturday from 9:00 AM—11:00 AM on the IRLP Reflector 9109. This net can be reached via several hosting nodes in the area. Please visit [www.status.irlp.net/index.php?PSTART=2&mode=3](http://www.status.irlp.net/index.php?PSTART=2&mode=3) to find the closest node. Also the net can be reached via EchoLink on 9191 (WL7LP-R) and Allstar nodes 27133 and 29332. The Alaska Statewide ARES net is held on Thursday evenings at 8:30pm (following the Anchorage ARES net) at the same locations and also the 8:30pm Sunday evening Alaska Statewide Radio Link.

### HF Nets

**Alaska Snipers Net:** 3.920 MHz 6:00pm daily

**Alaska Bush Net:** 7.093 MHz 8:00pm daily

**Alaska Motley Net:** 3.933 MHz 9:00pm 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@winlink.org](mailto:AL7N@winlink.org))

**Alaska Pacific Net:** 14.292 MHz 8:30am M-F

**ERC HF Net:** 3.880 MHz 8:30pm Sundays



<b>DATA YOU CAN USE</b>				
<b>Frequency</b>	<b>Tone</b>	<b>Callsign</b>	<b>Features</b>	<b>Area</b>
147.18-	88.5	ADES		JBER
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 N
147.30+	141.3	KL7ION		Very Wide Area
146.85-	103.5	KL7JFU	Cross Banded to 444.600	Mat Valley
444.6+	103.5	KL7JFU	Cross Banded to 146.85	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	WL7CWF	Cross linked to 443.900	Very Wide Area
443.900+	103.5	WL7CWF	Cross linked to 147.33	Very Wide Area

<b>South Central Area Simplex Frequencies</b>	
146.52	National Calling and Emergency Frequency
147.57	DX Spotting Frequency
146.49	Anchorage Area Simplex Chat
146.43	Mat-Su Valley Simplex Chat
147.42	Kenai Peninsula Simplex Chat

<b>WinLink Information</b>		
144.9	WL7CVG-10	Anchorage Area RMS
145.19	KL7JFT-10	Palmer/Mat-Su RMS
147.96	KL7EDK-10	Fairbanks RMS
144.9	WL7CVG-4	South Central Digipeater
144.98	KL7AA-10	Anchorage AARC RMS



# June 2017

SUN	MON	TUE	WED	THU	FRI	SAT
				1 ARES NET	2 AARC Membership Meeting	3
4	5	6	7	8 ARES NET	9	10 AARC VE Testing
11	12	13	14 EARS Meeting	15 ARES NET	16	17
18	19	20 AARC Board Meeting	21	22 ARES NET	23	24 FIELD DAY WEEKEND
25 FIELD DAY WEEKEND	26	27	28	29 ARES NET	30	

If you have anything you'd like included in the next newsletter such as for sale items, articles, questions, etc. email [editor\(at\)kl7aa.net](mailto:editor(at)kl7aa.net)

## Your current AARC Board/Officers

President	Lara Baker AL2R	<a href="mailto:president(at)kl7aa.net">president(at)kl7aa.net</a>
Vice-President	Kent Petty KL5T	<a href="mailto:vicepresident(at)kl7aa.net">vicepresident(at)kl7aa.net</a>
Treasurer	Alice Baker KL2GD	<a href="mailto:treasurer(at)kl7aa.net">treasurer(at)kl7aa.net</a>
Secretary	Richard Tweet KL2AZ	<a href="mailto:secretary(at)kl7aa.net">secretary(at)kl7aa.net</a>
Board 2019	Dan Knapp KL4CX	
Board 2019	Lillian Marvin KL7YF	
Board 2019	Rich Gillin AL4S	
Board 2018	T.J. Sheffield KL7TS	
Board 2018	Keith Clark KL7MM	
Board 2018	VACANT	
Board 2017	George Wilkinson KL1JJ	
Board 2017	Jim Wiley KL7CC	
Board 2017	Dave Heimke AL7LO	
Activities	Allen Abbott KB1QCE	<a href="mailto:activities(at)kl7aa.net">activities(at)kl7aa.net</a>
Trustee	Keith Clark KL7MM	<a href="mailto:trustee(at)kl7aa.net">trustee(at)kl7aa.net</a>
Newsletter Editor	Richard Tweet KL2AZ	<a href="mailto:editor(at)kl7aa.net">editor(at)kl7aa.net</a>
Membership	Rich Gillin AL4S	<a href="mailto:membership(at)kl7aa.net">membership(at)kl7aa.net</a>
VE Testing	Jim Wiley KL7CC	<a href="mailto:ve(at)kl7aa.net">ve(at)kl7aa.net</a>
Webmaster	Brendon Bruns KL1WK	<a href="mailto:webmaster(at)kl7aa.net">webmaster(at)kl7aa.net</a>
Internet/Network	Rich Gillin AL4S	<a href="mailto:ip(at)kl7aa.net">ip(at)kl7aa.net</a>