Anchorage Amateur Radio Club Newsletter

Next General Meeting
March 5, 2020 (Tomorrow!!) at
7pm
Radio Science and Operations
Center
6721 Raspberry Road

Keep up with the AARC at www.kl7aa.org

RENEWABLE ENERGY PRESENTATION

Anyone interested in back-up power for their home station or powering their entire home with renewables should learn a lot from our March presenter.

Our presenter for the March General Membership meeting will be Karl Solberg from Renewable Energy Systems of Alaska.

He will be discussing renewable energy in general, solar power, batteries and balance of system components.

ANCHORAGE AMATEUR RADIO CLUB
BOARD MEETING
January 21, 2020
Radio Science Operation Center (RSOC)
6721 Raspberry Road
Anchorage, AK
APPROVED

The meeting was called to order at 7:03 PM by President Lara Baker AL2R

A quorum was established.

BOARD MEMBERS PRESENT:
Lara Baker AL2R, Dave Webb N9AIG, TJ Sheffield KL7TS, Kent Petty KL5T, Keith Clark KL7MM, Matt Ostrander KL4QH, Walter Yankauskas KL7WY

BOARD MEMBERS PRESENT VIA TELECONFERENCE:
Alice Baker KL2GD, John Lime III KL4OF, Wigi Tozzi KL0R

GUESTS/NON-VOTING MEMBERS PRESENT VIA TELECONFERENCE:

NON-VOTING MEMBERS/GUESTS PRESENT

EXCUSED BOARD MEMBERS
Richard Tweet KL2AZ, Mathew Notte WL4DX

UNEXCUSED BOARD MEMBERS
Rich Gillin AL4S

REQUEST FOR AGENDA ITEMS/CHANGE IN ORDER
Kent Petty KL5T requested to move the VE program report first on the agenda.

TIME CRITICAL ITEM(S)
None

REPORTS
VE PROGRAM
Brandin Hess AL6I is traveling and not available this evening. Kent Petty KL5T indicated that the web-based testing is working well here in Anchorage along with the DocuSign software. This is helping people get registered in a timely manner with all the paperwork filled out. Testing has also started in Tennessee because they really like our program.

SECRETARY REPORT
The November 19th Board Meeting minutes were presented along with the December 5th and January 2nd general membership minutes. With minor corrections noted and made, a motion was made by Keith Clark KL7MM and seconded by TJ Sheffield KL7TS to accept the minutes as corrected. The motion carried unanimously.

TREASURERS REPORT
Kent Petty KL5T indicated that we continue to do well with QuickBooks, and we received the credit card swiper for QuickBooks. We will also be looking at credit card processing and use the lowest cost provider. Club assets continue to be satisfactory going forward for the year. We are not having any issues paying bills and things are going well. Bills are being paid electronically and not via the checkbook.

FINANCE COMMITTEE
Keith Clark KL7MM thanked Kent Petty KL5T for getting QuickBooks going and reports available. The airport lease has stayed the same and we have not experienced a rent increase. With some of our funds we have been talking about building a CD (Certificate of Deposit) ladder. We continue to follow the restitution issue.

GRANT REQUESTS
There were no grant requests this last period.

GAMING
Lara Baker AL2R indicated that we are up to date on our gaming permit. We continue to work with the pull tab operator but things are progressing slowly.

BYLAWS COMMITTEE
Lara Baker AL2R indicated that there is no new work on bylaws. A signed and sealed bylaw still needs to be produced. Kent Petty KL5T requested a current copy of the document.

TRUSTEE REPORT
Keith Clark KL7MM indicated there was no activity this period. We should be coordinating with an activities calendar. Dave Webb N9AIG indicated there were no requests to use the KL7G callsign.
Kent Petty KL5T indicated that a trustee can be the trustee for multiple club call signs but only one vanity callsign. The club call KL7AA is not a vanity callsign.

PROJECTS COMMITTEE
TJ Sheffield KL7TS indicated that there are a lot of antenna projects in the queue for spring and summer. There are also some landscaping projects that need to be performed to accommodate these additional antennas. The landscaping would include some earth grading and the removal of alder brush. We might consider asking Team Rubicon to help with some of the brush removal.
We also doubled the UPS capacity (two 2800VA) for the North operating console this last period.
Matt Ostrander KL4QH indicated that all the Cisco phones are now operating. One model still needs additional attention, but those issues are being worked through. Outbound and inbound dialing is restored to the RSOC. There are 14 Cisco phones currently in service with one in each room at the RSOC.
LORA (Long Range Area Network) is ready to launch.

DEVELOPMENT COMMITTEE
Lara Baker AL2R expects to have the 2021 Federal Campaign submitted soon. We should also know how much is coming from the 2020 Federal Campaign. It was recommended that the membership director attend the development committee meetings.
With QuickBooks, an invoice could be sent out as a reminder for members to pay their dues. The consensus of the board is to send out reminders to the membership.
We also explored the possibilities of receiving cars, boats, and ATVs as donations to resell for club funds along with being a retailer of BaoFeng radios.
The possibility of having coffee cups, T-shirts, and sweatshirts with the club logo on them was discussed. We could also retain the cartoonist Chad Carpenter (Tundra comic strip) to help with a creative product.
Matt Ostrander KL4QH indicated that our CiviCRM database was gutted and is no longer tied to WordPress. The newest version of CiviCRM has been installed and will be stable if no plug-ins are installed by anyone other than Matt Ostrander.

BUILDING COMMITTEE
Keith Clark KL7MM indicated that general maintenance has been performed on the building. We also talked about the concept of adopt a room.
Matt Ostrander KL4QH indicated that he and Kevin Opalka KL1V have been assembling the parts needed for an electronic locking system. Currently, the wiring for the system is installed and we're looking for an electronic latch that fits our door. Kent Petty KL5T recommended we talked to Matt Notte WL4DX because he might be able to source the remaining parts. We still need to figure out how to interface the system with the alarm system seamlessly.
TJ Sheffield KL7TS is going to contact Richard Tweet KL2AZ to determine the owners of the padlocks on our front gate. Currently we can account for two out of the four, but we don't know the owners of the other two.

MEMBERSHIP COMMITTEE
Rich Gillin AL4S is not here tonight.

EDUCATION COMMITTEE
Kent Petty KL5T is targeting mid-March for a Technician class. We also received an invitation to the Home School Fair.

EQUIPMENT REPORT
TJ Sheffield KL7TS requested that we do an equipment inventory for the MTV.

EMCOMM
Kent Petty KL5T indicated it is a good opportunity to operate on government frequencies on Wednesday mornings at 0630 to help with the SHARES net. All members are welcome.

OLD BUSINESS
Lara Baker AL2R is asking for each board member to take one month out of the year and take on the responsibility for general membership speaker and tech talk. This would include arranging for the door prizes. The activities chairman would keep track of which board member is taking responsibility for which month. Also, Morgan Schoenecker KG7SEQ might fit this role because she expressed an interest in being the social media director for the club. We could invite her to a development meeting and show her how social media is linked into our website. Kent Petty KL5T indicated that he would contact Morgan to determine her interest.

NEW BUSINESS
February General Meeting program will be determined. Walter Yankauskas KL7WY indicated he could talk about BaoFeng radios and why he chose that brand. There was also a discussion around DMR radios to see if we can find someone to put on a presentation.

Adopt a room concept was discussed; this would involve general maintenance and capital improvements on a specific RSOC area. Each board member would sign up for a specific room. TJ Sheffield KL7TS will send out a listing to board members indicating the rooms and the maintenance that needs to be performed on those rooms.

We have network access points currently for sale, but we have not had any offers on the equipment. We may have to lower the price to move them.

Ham Fest: we currently don't have a date or a champion to put on a Ham Fest. If you get the event registered with the ARRL they will give free advertising in their publication QST.

ADJOURNMENT
The meeting adjourned at 8:17 PM.

Respectfully submitted as recorded on 1/21/2020 by Dave Webb N9AIG, AARC Secretary.

FOR SALE...........Will deliver from Fairbanks to the buyer at no charge! 73, Craig, KL4E

_____
From: JERRY CURRY <jercurry@att.net>
Subject: IC-910 For Sale

Icom IC-910 Dual Band all mode VHF/UHF transceiver
100w VHF, 50w UHF   Will work Satellite crossband.
Microphone
Power Cord
Operating manual
$500

ANCHORAGE AMATEUR RADIO CLUB
MEMBERSHIP MEETING
February 6, 2020
Radio Science Operation Center (RSOC)
6721 Raspberry Road
Anchorage, AK
APPROVED

Call to Order
The meeting was called to order at 7:01 PM by President Lara Baker AL2R. There were 15 members and no guests in attendance. Of the 15 members, 12 indicated that they are ARRL members.

A membership quorum was established by the membership sign-in sheet.

Introductions were made for the members.

Business
Lara Baker AL2R indicated that we're heading into our event season and he recently attended a coordination meeting with the organizers of The Gold Nugget Triathlon. Our upcoming programs will include a session from Alaska Fish and Game regarding bear awareness and safety; another program will be about the upcoming events for the summer. Those that can help with these events, please volunteer to help with communications. If you're not familiar with event protocols, we can easily pair you up with a seasoned operator. We will also have a tech talk soon regarding handheld operation and how to best get a good signal into the club's repeater.

Tonight's guest speaker is Will Dubois N7DUD talking about DMR (Digital Mobile Radio) radio. Will Dubois N7DUD's presentation:

N7DUD Background:
COMMS:
Police & Fire Dispatcher / FEMA COM-L
Former LEO & radio communication instructor
SAR COMMS, field deployed dozens of times
Still support SAR remotely via DMR
OR-ARES, deployed during floods; field and hospital
DMR:
Helped deploy first DMR repeaters in Oregon
Have used both DMR networks
Deployed MMDVM server for DMR hotspots

What is DMR:
- **D**igital **M**obile **R**adio (Motorola's Brand name for DMR is MotoTRBO)
- Your radio converts your voice to digital packets of data (TDMA)
- Error Correction!
- Removes most background noise
- No static
- Uses less power than analog radio (batteries last longer)
- Two separate voice channels (conversations) per site! (Repeater)
- Commercial system that has been adapted to amateur use

Repeaters linked using any IP (Hamwan, Mesh, Internet or PTP)

The good and the bad:
- Most DMR radios are not (easily) field programmable
- Good: No worry about bumping some button that screws it up
- Bad: Can't make changes in the field, or fix a programming error "easily"
- Takes some programming effort to start
- BUT once programmed, easy to use – just turn the channel knob

No codes or commands to type in for linking, just choose the talk group that covers the area you want to talk to (more on that later)
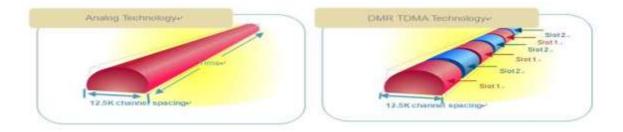
- Radio templates can be shared between radios of same model
- Talker ID: Shows who is talking on radio display
- Batteries last longer!

TDMA:
- In DMR, each frequency (or in this case, each repeater) can support two separate simultaneous conversations, using on 12.5K!
- This is done by splitting one frequency into two "Time Slots"
- Radios transmit in 30 ms "bursts", resulting in better battery life than analog

Time slots vs. talk groups:
- Each time slot can carry multiple talk groups
- A talk group is a "virtual channel"
    - Virtual because they aren't separated by frequency.
    - For example, TG1, TG2 and TG3 can all be on time slot 1.
    - The individual users can choose which talk groups they want to monitor.
    - BUT – Only ONE talk group can be active per time slot
- Example:
- Time slot 1 has a "local" talk group, and a "statewide" talk group.
    - You could set a channel in your radio to only monitor the local talk group and ignore the statewide talk group. (& one to monitor both)

    - BUT, if the 'statewide' talk group was being used, you would have to wait until they were done to use the 'local' TG.

Static vs. Dynamic (aka Full Time vs. PTT):
- Static/FT TG: **Always On**
    - Will be "muted" for 1-3 mins if other TG's locally active
    - Usually set by repeater admin
    - Different list for each slot
- Dynamic/PTT: **User Activated**
    - Activated by user (PTT) – usually "on" for 5-15 mins
    - Remains active if there is LOCAL activity
        - BM: Usually any TG
        - C-Bridge: Choose from menu

Receive lists vs. scan list:
- A receive list is used to choose which talk groups you want to monitor (or not)
    - For example, if you want to monitor all activity, you can have all the talk groups for a particular time slot in a receive list. Thus, hearing any activity on that slot.
- On the other hand, if you only want to hear local traffic for example, you will have a channel programmed with the local talk group and an empty receive list.
    - NOTE: Receive lists are different than a scan list. Think of a receive list as a filter. Where a scan lists changes frequency or time slot to monitor.
- A receive list doesn't increase battery use but activating a scan list usually does.
- Most DMR radios will allow you to scan both digital and analog channels

Active calls and History filter OR-SAR

start time	duration	source peer alias	source radio alias	dest. bridge group	RSSI (dBm)	site name	loss rate

start time	duration	source peer alias	source radio alias	dest. bridge group	RSSI (dBm)	site name	loss rate
12:25:39.560 Feb 6	9.0	OR SAR BUXTON - KB7APU 314108	N7QXH - Mike - Milwaukie OR 3141026S	Local 1-29	-115.1	OR-SAR	0.0%
12:25:03.304 Feb 6	29.0	SAR-LINK	N7DUD - Will - Anchorage AK 3141009Sm	Local 1-31	N/A	OR-SAR	0.0%
12:24:28.460 Feb 6	28.0	OR SAR BUXTON - KB7APU 314108	N7QXH - Mike - Milwaukie OR 3141026S	Local 1-29	-109.8	OR-SAR	0.0%
12:23:57.817 Feb 6	18.0	SAR-LINK	N7DUD - Will - Anchorage AK 3141009Sm	Local 1-31	N/A	OR-SAR	0.0%
12:23:45.320 Feb 6	10.0	OR SAR BUXTON - KB7APU 314108	N7QXH - Mike - Milwaukie OR 3141026S	Local 1-29	-101.6	OR-SAR	0.0%
12:23:26.960 Feb 6	5.0	OR SAR BUXTON - KB7APU 314108	N7QXH - Mike - Milwaukie OR 3141026S	Local 1-29	-118.6	OR-SAR	4.4%

46 Minutes	MMDVM Host	N7DUD [Will] (3141009)	N7DUD	N7DUD (3141009m)	(311181)	(0)	T93	39+40dB	-4T	T	4% (5/125)
47 Minutes	MMDVM Host	KL1V [Kevin] (3144508)	KL1V Kevin	KL7AA (311181)	(311181)	(0)	T93	50	-141	20	0% (0/336)
48 Minutes	MMDVM Host	N7DUD [Will] (3141009)	N7DUD	N7DUD (3141009m)	(311181)	(0)	T93	39+40dB	-4T	50	2.38% (20/838)

Considerations:

- Repeaters use IP for linking – can use HAMWAN/Mesh
  - (Note: "IP", not always public internet) – LOW BW!
  - If IP connection is lost, repeater works standalone
- Not a replacement for HF/Satellite comms for disaster
  - ..but.. I was talking to Oregon right after 7.1 EQ
- Since you can access wide area talk groups, good to call for help – more chance of someone listening!
- Doubles capacity per site due to dual slot
- Silent repeater ID, good for EOC's or dispatch centers where noise is the enemy

Radios:

- Price range: $90-$300 – More than 1 make!
- Anytone current models have good reviews
  - Dual band & APRS
- TYT/Connect Systems/BFDX/Motorola (no dual band)
- Many DMR are single band, and part 90
- Many support "Digital Monitor" - better for on-the-fly use
- Code Plugs/Templates can be shared among same radios
  - Even if you get a template, log in and take a look and customize it. This will help you understand DMR even more
- Club purchase / template?

Hotspots:

- If you are out of range of a repeater, you can link into the system using a hotspot.
- Simplex 'link', short range, single slot (usually) device. You have total control of TGs

Networks:

- Brandmeister System:
  - Worldwide, lots of TG's, lots of repeaters, can be linked to C-Bridge sys
  - Repeaters usually have a "free for all" time slot (+/-)
  - Can suffer from overloading, resulting in packet loss
  - Must connect to 1 of 3 "Master" servers for USA
  - Easy to connect to BM w/ hotspot

- C-Bridge Systems:
  - Usually regional, fewer TG's, fewer repeaters (<100)
  - Doesn't suffer from overload (requires group to set up central hub)
  - Repeaters have a "menu" of TG's, not free for all (+/-)
  - A little more effort to support hotspots, can restrict to access

DMR in Alaska:
- Homer KL4GR – first? "Crossroads" C-Bridge
- Ketchikan – KL0RG - BM
- Kodiak – KL1KE - BM
- Delta Junction – KL2AV - BM
- Anchorage – KL7AA - BM
- Wasilla – WL7DN - BM
- Fairbanks – W9ITU - BM (Low level/testing for now)
- And a handful of others on hotspots
- All linked on "Alaska Statewide" TG

How to get started?
Get a DMR ID#
    (You don't have to wait for your radio!)
    But you must have one
       This is how others see your call on their screen
Go to: radioid.net
    Only get ONE ID – even if you plan on having >1 radio
    You can put same ID in HT & mobile w/o issue
    If you get a hotspot, use your ID+2 digits
       Will: 3141009 / HS1: 314100901

References:
Audio Intro: **www.soundcloud.com/will-d-hertzian**
www.facebook.com/groups/akdmr
http://brandmeister.network/

A sincere thank you goes out to Will Dubois N7DUD for his presentation above and his willingness to share his knowledge with the AARC.

Door prizes were awarded.

There was not a tech talk this evening.

The meeting adjourned at 8:57 PM. Respectfully submitted as recorded and transcribed by Dave Webb N9AIG (AARC Secretary) on February 6, 2020.

Have you signed up to support YOUR Radio Club?

Here are two ways you can help fund our Anchorage Amateur Radio Club. Both are really easy on your part. Please consider doing both options, if you haven't signed up, please do.

<u>Fred Meyer will give us money!</u>

All you have to do is shop there and sign up AARC as your non-profit beneficiary. Once you sign up, a portion of every purchase you make is donated to AARC. There is no increase to you for your purchase by declaring AARC as your beneficiary. Currently there are three individuals signed up for this worthy cause. Let's see if we can make it 100%.

You still earn your Rewards points, Fuel Points, and Rebates just as you do today.

The AARC's Fred Meyer non-profit number is UB064.

If you don't have a Fred Meyer Reward Card, they are available at their service desk.

Tell your family, friends and neighbors about this opportunity too.

(Fred Meyer can be done via Internet)

<u>Amazon Smile will give us money!</u>

If you do shopping on-line at Amazon, you can designate AARC as your charitable organization. Amazon will donate 0.5% of your purchase to AARC. Log-on to:

https://smile.amazon.com/ch/23-7225693

For more information.

AARC is Accepting Credit Cards!

AARC can accept your credit card for payment of dues and donations. See Kent Petty KL5T at the next club meeting, club working Wednesdays or Board meetings.

Now may be the time to renew your membership; don't forget!

Thanks Kent KL5T, for setting this up!!

Monthly Events

1st Thursday each month: AARC general meeting - **7:00 PM** in the Radio Science and Operations Center (RSOC) Building at 6721 Raspberry Road, Anchorage. Talk in will be on 147.34/94 repeater or 146.49 Anchorage simplex talk frequency.

1st Thursday each month: Moosehorn Amateur Radio Club General meeting - **7:00 PM** Location changes, contact George Van Lone KL7AN donnav@acsalaska.net for information . 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

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. 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 the RSOC, 6721 Raspberry Road. Be sure to bring a government issued photo ID, a copy of your current license (if any) and any Certificates of Successful Completion of Examination (CSCE). Contact: Lara Baker, AL2R (president@kl7aa.org)

3rd Tuesday each month: AARC Board Meeting at 7:00 PM at the Radio Science and Operations (RSOC) building. All members are invited and encouraged to attend.

1st Tuesday of each month: EARS general meeting at 6:00 PM. EARS meetings are held at the EARS shack location. Contact info - Pete Pritchard KL7IS for more information (email president@kl7air.us) EARS: 552-2664 (recording); Talk in on 146.67-. Email: club@KL7air.us or Ron Keech KL7YK (Station Manager) kl7yk@arrl.net

4th Saturday of each month: Valley VE Testing at 7:00 PM. Sessions will be held at the Red Cross Office at 7 pm on the fourth Saturday of each month unless it is a major holiday weekend. Contact Ken Hudson, KL2HF, Kenputer@hotmail.com or 907-354-0206.

 The last Friday each month: MARA meeting at 7:00 PM, St. Johns Lutheran Church Basement. 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.

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 for more information on the digipeaters.

ARES Net: 147.33 w/ 103.5Hz tone (Backup 147.30 w/ 141.3Hz tone) —Thursdays at 8:00PM

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

South Central Simplex Net: Meets on 146.52 FM then shifts to 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 9:30 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 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)

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

ERC HF Net: 3.880 MHz 8:30pm Sundays

DATA YOU CAN USE				
Frequency	**Tone**	**Callsign**	**Features**	**Area**
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		Anchorage, Wasilla, Northern Kenai
224.94-	no tone	KL7AA		Anchorage, Wasilla, Northern Kenai
444.70+	103.5	KL7AA		Anchorage, Wasilla, Northern Kenai
146.67-	103.5	KL7AIR	MARS station	Anchorage & Highway N
147.30+	141.3	KL7ION		Anchorage, Wasilla, Northern Kenai
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	KL7PM		Homer
147.15+	107.2	NL7S		Wasilla
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

South Central Area Simplex Frequencies	
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

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WinLink Information		
144.91	WL7CVG-10	Anchorage Area RMS, 1200 baud
145.19	KL7JFT-10	Palmer/Mat-Su RMS
144.91	WL7CVG-4	South Central Digipeater, 1200 baud
144.97	KL7AA-10	Anchorage Area RMS, 1200 baud
223.66	WL7CVG-10	Anchorage Area RMS, 9600 baud
441.175	WL7CVG-10	Anchorage Area RMS, 9600 baud

MARCH 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 **7pm** Development Committee Meeting	3 **9:00am** FEMA Region X **6pm** CAP Lake Hood Squadron **7pm** FEMA Region X VIP Tour	4 **6:30am** SHARES net operations **7:45am** FEMA Region X VIP Tour **6pm** Working Wednesday **8pm** South Central Simplex net	5 **7pm** Membership Meeting Followed by **Tech Talk**	6	7 **10am** Saturday Work Session
8	9 **7pm** Finance Committee	10	11 **6:30am** SHARES net operations **6pm** Working Wednesday **8pm** South Central Simplex net	12	13	14 **10am** Saturday Work Session **2pm** License Examination
15	16 **7pm** Development Committee Meeting	17 **7pm** Board of Directors Meeting	18 **6:30am** SHARES net operations **6pm** Working Wednesday **8pm** South Central Simplex net	19	20	21 **10am** Saturday Work Session
22	23 **7pm** Development Committee Meeting	24	25 **6:30am** SHARES net operations **6pm** Working Wednesday **8pm** South Central Simplex net	26	27	28 **10am** Saturday Work Session
29	30 **7pm** Development Committee Meeting	31				

If you have anything you'd like included in the next newsletter such as items for sale, articles, questions, etc. email *editor@kl7aa.org*

Support Amateur Radio in Anchorage, Alaska

Donate online or mail this coupon to AARC, PO Box 190192, Anchorage, AK 99519

Online donation is convenient and secure at https://kl7aa.org/ , select donations at the top right of the home page.

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____

Email address: _____

☐ I want to make a one-time general donation

☐ $25 ☐ $50 ☐ $75 ☐ $100 ☐ $250 ☐ $_____

☐ I want to make regular monthly donations. *Thank you for your ongoing support! Indicate the monthly amount:*

☐ $25 ☐ $50 ☐ $75 ☐ $100 ☐ $250 ☐ $_____

☐ I want to sponsor a specific project/program.
Sponsorships are $25 monthly

☐ Please send me a supply of donation envelopes

☐ Please charge my credit card below

Why donate? The Anchorage Amateur Radio Club is a nonprofit organization (501C3) that supports community program communications such as the Anchorage RunFest, Walk and Roll for Hope, the Dog Jog, Tour de Cure, Alaska Run for Women, The Women's Gold Nugget Triathlon and Team Rubicon. We also periodically practice our emergency communication skills in case of a major disaster such as an earthquake. Our equipment is both battery and generator backed up. We are run only by donations and volunteers. Please donate to this worthy organization.

Total donation:$_____

☐ Check or money order enclosed

☐ VISA ☐ MasterCard Exp:_____ CVV code:_____

Account # _____

Signature:_____

☐ I would like to be kept up to date on AARC activities; please send me your monthly newsletter