## Anchorage Amateur Radio Club



Anchorage Amateur Radio Club General Meeting Friday, August 2nd

> 7:00 PM Carr-Gottstein Bldg. APU campus



Program: Craig Bledsoe, KL4E, AMSAT

(Reminder — the SEPTEMBER meeting will be held at the Emergency Operations C enter, 1305 E St. at the usual time, 7:00 PM)

### A very sad note from Ed Cole, KL7UW

I happened across this article on ARRL website posted July 15, 2013:

HAARP has been shuttered and is to be abandoned due to no funding.

If no other program can take it over, it will ultimately be bull dozed.

Each of the 180 turnstyle antennas has two 3CX10,000 transmitters.

What a loss to high atmospheric physics and especially for Alaska propagation predicts from the ionosonde and riometers!

http://www.arrl.org/news/haarp-facility-shuts-down

73, Ed - KL7UW <u>http://www.kl7uw.com</u> <u>dubususa@gmail.com</u> "Kits made by KL7UW"

August 2013

Volume 42 No 8

### Wilse G. Morgan: *W6PVF – KL7CQ –* WX7P now SK in 2013 de Bill Balzarini *K7MWC -* KL7BB

My first contacts with Wilse were in the very early 1960's down at the local Amateur Radio Supply Store located at the North end of Boeing Field in Seattle WA. The area is called Georgetown, famous for the Old Rainier (Beer) Ice House.

Wilse Morgan was a business Partner with Earl Palmer N7EP in PM Electronics and they were producing Bubble packed Ham Radio Kits out of articles that appeared in Ham Radio Magazines like 73, CQ, & QST. These Kits consisted of a schematic diagram + parts list of the magazine article, a PC Board and some of the very, very hard-to-find parts. The end result was that any Ham could build a working kit that actually worked.

The PM Electronics product line was selling so well that the Amateur Radio Supply Co. store owner Dick Aspinwall W7PV (2005 SK) devoted an entire peg-board display space to the many many kits that PM electronics produced. It was the near location of Georgetown to the PM Electronics South Seattle manufacturing plant that allowed Wilse many frequent trips into the ham radio store to check on his products sales and talk with other hams about the kits. I was one of the many hams that had direct access to Wilse on the floor of Amateur Radio Supply in Georgetown. Wilse was always making new kits each month to match the ham radio articles as they appeared in the magazines.

This Bubble-Pack Ham Radio business activity went on for many years with thousands of happy hams building the PM electronic kits.

As time moved on, I went to Alaska in February 1976 with a load of supplies for my cousin down at Anchor Point Alaska. I made arraignments to stop off in Anchorage and stay with some relatives in Anchorage for a week. It turns out that this is the week that had the annual Fur Rendezvous Sled Dog Race. I went to downtown Anchorage to see the race and all of the different aspects of racing dogs around town at -20 degrees below zero weather. There at the Start – Finish Line was a big display of the race mounted up on a flat bed truck and many people with radios that were keeping track of where each musher and his team were along the course. It turned out that these folks were all members of the KL7AA Anchorage Alaska Amateur Radio Club. They invited me to hop up on the trailer with them and join in with the Far North Communications Fun.

I was told how all of the Mushers time and location info was being sent via ham radio up to the "Rabbit Creek" net control station in the hills of South Anchorage to what was called Mount Olympus. When I went back to my relative's South Anchorage home that night, we figured out that the Net Control Station was just several miles away and they could arrange to drop me off near the road that lead up to the station location.

The next day I was dropped off at the bottom of Robinhood Lane with instructions that they should wait for me to come back for 20 minutes, and then leave.

What I found at the top of Robinhood Lane was a long 500 ft. driveway that lead back into the scrub brush and birch trees and two old miners shacks that had been pulled together to make one bigger mountain cabin, called Mount Olympus. This place had several tall Alaskan towers (70+ ft ) with HF Beams and many VHF arrays that said there was some serious hamming going on here.

Stepping up on the wide porch stacked high with firewood, I went over and knocked on the door. To my surprise there was Wilse Morgan W6PVF/KL7 who was leading the entire team of the Mount Olympus Anchorage Amateur Radio Club Net Control Station. This was very special to be 2500 miles from my home and running into someone that I had known from Seattle, WA.

I was invited into the rustic QTH and got to meet the people that were out in the back ham shack doing all of the tracking chores. There were several brand new Hewlett Packard HP-65 hand held calculators that were doing the speed forecasting of each musher in the race. The results of each forecast was then loaded up on a 5 level punched paper tape and then sent through a VHF Ham Radio RTTY teletype circuit back down to a waiting RTTY machine at the Start-Finish line in downtown Anchorage.

It was pure magic to see so much equipment up in the snow covered hills of Rabbit Creek Alaska. Wilse and that Fur Rondy Ham Radio Crew really opened up the warmth and charm of Alaska to me.

Over the following years, I had a Radio Communications job with Columbia Wards Fisheries out in the rural bush Alaska of Bristol Bay at EKUK. Wilse had offered me late April accommodations up at his Rabbit Creek mountain cabin so that I could acclimatize to the cold before going out into the rural bush of EKUK for the Summer Fishing season.

It just so happens that the Anchorage Alaska Flea Market and Electronics Show was at the last weekend of April (called Winter Break-up), and I was "invited" to help out with all of the miscellaneous tasks needed to make the event a success. I became Wilse's Go4; Go for this; Go for that.

As his understudy, I learned how he was saying yes to all of the elements that make for one great Flea Market Show: From how to look for a business space that could be used for a weekend, to how to get all of the pre-press word out for the Date-Time-Location of the event. This activity would fill up my time for the two weeks before going out into the bush for the summer fishing cycle.

The peak of Wilse's talent was that he would auction off ham radio goodies all day long. It was like a ham radio contest to listen to his continual auctioneer call. One of the flea-market groups that he put together was a team of hams that would go out and get door prizes from local businesses that he would include in the ongoing door prize drawings.

One year, the KL7AA team came back with door prizes that had also included an "item" from a nearby women's wear business. It turns out that Wilse had a "Flea Market Field Day" with this special door prize, because nobody could come back home to their wife and say "Look what I won as a door prize at the Flea Market today". Much to his delight, Wilse was watching ticket holder after ticket holder refuse the Special Women's Door Prize. There was a very special delight to the tone of his voice when he knew what was going on in minds of the crowd. It was his finest hour.

When Wilse was not doing the flea market, he was teaching Ham Radio Classes and running ham radio contests. One of his requirements was to have everyone in his classes also come up to Mount Olympus and operate in the CQ World-Wide Phone contest during the last weekend of October each year. He signed people up and they were each given a seat in front of his Collins "S" Line that was live on the air.

This was their half hour of time that was used to overcome mic-fright and get them used to talking to people all over the world. So many imaginations were fired up on those cold winter nights that resulted

3

Over the years I helped him build his first computer logging system (8088) where he chose Swiss-Log as his program to track his tens of thousands of contacts. In 1978 during the Ham Radio Convention in Anchorage, he bought his first HF ICOM IC-701 and RM2 controller. This let him electronically scan the ham bands for activity. His constant fight with high winds meant constant work on the big beams.

One year I arrived at his QTH after a very powerful storm had taken severe damage to his 20 meter Telrex beam. The elements were found way down in the gully hundreds of feet away. Giant 12-inch hooks were bent into the element near the boom end where a large tree had sheared it off. It looked like a Little Bo-Peep Hook from a Christmas play.

In the fall of each year Wilse was always out on a wild Alaskan river fishing float trip. I would volunteer to house sit for him and his radios for the two weeks that he was out in the wilderness of Bush Alaska. He would talk-up the fishing float trip and sign up other hams in Anchorage to go along with the expedition. For those that went out on one of these trips, it was a chance to experience raw untamed nature at its finest; from wild salmon, fish on the end of your line, to the giant Alaska grizzly bears along the way and near your camp. The mix of Alaskan weather would drown you to the skin, while critters would bathe you with the howls and screams that objected to you and the others in your party for being in their wilderness home. The giant black flies and hungry mosquitoes would take special delight in getting every last pound of your flesh and sipping quarts of your blood before the onslaught of the coming winter storms that would put them all to sleep. Oh, the joy of being out on the river with Wilse and the revenges of Alaskan Bush Living! I only went out on one of his Arctic Circle fishing madness events in the fall of 1979. Oh, the joy of October in Alaska when Mother Nature dips the temperature to below freezing!

It would take another lifetime to write about all of the many other outings and adventures in ham radio and Wilse G. Morgan *W6PVF-KL7CQ-WX7P*. I have had the pleasure of being on many of his adventures,, it sure has been a life-time of fun.

Bill Balzarini *K7MWC* - **KL7BB** 206-400-1723 <u>http://HamShare.com</u> <u>KL7BB@Yahoo.com</u>



### 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.

There is a copy of this form attached to the back of this newsletter.

Thanks for your help.

Alice

### News and Notes

From Craig Bledsoe, KL4E.

Ham radio news from the AMSAT state coordinator, Dale Hershberger, KL7XJ

----- Original Message -----

Changes are ahead that you need to know about.

GRE Electronics filed for bankruptcy after they lost their warehouse in China. GRE Electronics made Alinco radios and GRE police scanners and accessories. Alinco Radios have not been manufactured for several months in a row. GRE will not come back, but Alinco Radios are now being produced by Remtronix (link: [<u>http://www.remtronix.com/</u>]<u>http://www.remtronix.com/</u>)

Radio Shack will also no longer carry police scanners. All of the police scanners that Radio Shack sold under the Realistic label were made by GRE.

Also Grove Electronics, a big scanner and electronic equipment supplier owned by Bob Grove, W8JHD, is closing down (link: <u>http://grove-ent.com/</u>) Bob has decided to retire, and with a slow economy he decided to sell everything. Grove Electronics also has decided to stop publishing its flagship magazine, Monitoring Times. The last issue of Monitoring Times will be issued in December 2013.

### Bird Update from the Bledsoes.

Hello Everyone >>>

Here are two photos (with and without flash) of the three baby robins in their nest on top of our leftover Christmas wreath. There actually are three birds in the nest; the third one in the rear is just being bashful. These shots were taken exactly two weeks after the previous photos of the nest with its three tiny blue eggs in place. It's amazing how fast these youngsters grew!

We are pleased to report that all three robins successfully fledged out, passed their initial qual checks and IOEs, and are now regularly operating in the local area. They presently are prepping up for their route checks to the Lower 48 which will take place within the next two months.

The result of all this is that Ruth Ann is experiencing "empty nest syndrome" wishing that her chicks would fly back home. If they return next year we'll install a CritterCam so that everyone can watch the care and feeding of the next generation of avian offspring.



From Craig Bledsoe, KL4E.

Is this dog smart or what? Just an amazing sample of why we love our dogs.

[ <u>http://www.flixxy.com/jumpy-the-dog.htm</u> ]<u>http://www.flixxy.com/jumpy-the-dog.htm</u>

August 2013

Volume 42 No 8

6

The August issue of QST has a nice article titled "A Radio Voice in the Wilderness" about the activities of Arlene "Buddy" Clay, KL7OI.

Tom Rutigliano, NL7TZ, sent pictures.



Buddy with her QST.



Buddy at the MARA meeting.

August 2013

7

### On Saturday, July 20th, a group of Ham's made up of representatives from MARA and AARC participated in the Sutton, AK Emergency Preparedness Fair.

Some of the other organizations participating included the MAT-SU Fire Department, the Red Cross, and the Salvation Army.

These pictures were provided by Tom Rutigliano, NL7TZ, Ray Hollenbeck, KL1IL, and Alice Baker, KL2GD.



August 2013

Volume 42 No 8

1

On July 27th, AARC members participating in the Friends of Pets Dog Jog, which was based at Service High School, were TJ Sheffield, KL7TS, Ray Hollenbeck, KL1IL, Lara Baker, Al2R, and Alice Baker, KL2GD.





This pool is MINE!!!!

August 2013

### Hamfest Announcements:





We Will

Home of The Arctic Amateur Radio Club

We Do

## Free Swapmeet

## 10 AUG 2013

We Can

Hamfests are events organized by amateur radio enthusiasts, for social gath-ering and promotion of the amateur radio hobby. Everyone is welcome. We will have a (Swapmeet) where you can buy and sell radio and related equip-ment. Classes and programs are available covering What is Amateur Radio, How is Amateur Radio used today, What is the 2 Meter repeater system and how can you use it, Emergency use of Amateur Radio, how to do surface mount soldering, and other presentations. We will also have an Amateur Radio test session where you may take any test you can be qualified to try.

## HAMFEST Fairbanks Alaska

Associated General Contractors of Alaska Located At 3750 Bonita St.,Fairbanks, AK

More about the Fairbanks Hamfest

### 10 am Until 5 pm

#### Need a Table? Need Information?

If you need a \$10 or \$20 table for the Flea Market, are interested in Free testing or have questions please call

(907) 347-0265 leave a message and we will get back to you as soon as we can.

*For Extra Fun!* The Tanana Valley Fair is also going on at this time

### Door Prizes Throughout The Day

TALK IN Simplex 146.52 Repeater 146.88 PL103.5 Offset Negative

### 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



Minutes of Previous Meetings



There are no approved minutes for this issue — the July 2013 AARC Board Meeting was a seminar managed by the Foraker Group — discussing "How to be a Better Board Member and How to be a Better Board."

### **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.

OfficersVice PresidentLara BakerAL2Rpresident@kl7aa.netVice PresidentRon KeechKL7YKvicepresident@kl7aa.netSecretaryTim CrowleyKL2VKsecretary@kl7aa.netTreasurerAlice BakerKL2GDtreasurer@kl7aa.netActivitiesShannon MetheKL3JIshannonmethe@gmail.comThree Year Board of Direc. torsJim WileyKL7CCjwiley@gci.net3 Year remainsPaul SpatzekWL7BFpaulspatzek@gci.net1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXKb8jxx@wl7cwe.orgChris ConwayKL7DQkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comjim LarsenAL7FSjimlarsen2002@alaska.netFred EricksonKL7FErederickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netFred EricksonKL7EFmembership@kl7aa.netMembershipFred EricksonKL7Emembership@kl7aa.netKL2GDeditor@kl7aa.netMembershipFred EricksonKL7Emembership@kl7aa.netKL2GDKito BakerKL2GDeditor@kl7aa.netKL2GDeditor@kl7aa.netKito BakerKL2GDKL7YKwebmaster@kl7aa.netKL7GAKito BakerKL7YKKL7Kwebmaster@kl7aa.netKito BakerKL7YKkuebmaster@kl7aa.net <t< th=""><th>People to Help You</th><th colspan="7">People to Help You!! 2013 Officers &amp; Board of Directors</th></t<>	People to Help You	People to Help You!! 2013 Officers & Board of Directors						
Vice President SecretaryRon Keech Tim CrowleyKL2VK KL2VKvicepresident@kl7aa.net secretary@kl7aa.net treasurer@kl7aa.net shannon MetheActivitiesShannon MetheKL2UK KL2GDtreasurer@kl7aa.net treasurer@kl7aa.net shannonmethe@gmail.comThree Year Board of Direc- torsPaul SpatzekWL7BF KL7CCpaulspatzek@gci.net jwiley@gci.net rich@gillin.us3 Year remains 2 Year remainsPaul SpatzekWL7BF Rich Gillinpaulspatzek@gci.net rich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TS KL2NWkl7ts@arrl.net erich@gillin.usTJ SheffieldKL2NW KL2NWehazbreim@yahoo.comTJ TomblesonKB8JXX kb8JXXkb8jxx@wl7cwe.org klrsonChris Conway KlnsonKL1JJ gdwilkinson2@yahoo.comFred EricksonKL7FE hosp@arrl.netDim Larsen Lim LarsenAL7FS hosp@arrl.netOther Contacts TrusteeKeith Clark Fred EricksonKL7MM KL2FE hosp@arrl.netOther Somaria Newsletter EditorKeith Clark Alice BakerKL2MW KL2GDNewsletter EditorAlice BakerKL2GDNewsletter EditorAlice BakerKL2GD	<u>Officers</u>							
Secretary TreasurerTim Crowley Alice BakerKL2VK KL2GD KL3JIsecretary@kl7aa.net treasurer@kl7aa.net shannonmethe@gmail.comThree Year Board of Direc- tors3 Year remains 2 Year remainsPaul Spatzek Jim WileyWL7BF KL7CCpaulspatzek@gci.net jwiley@gci.net rich@gillin.us1 Year remains of DirectorsPaul Spatzek Jim WileyWL7BF KL7CCpaulspatzek@gci.net ich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TS KL2NWkl7ts@arrl.net ehazbreim@yahoo.comTJ Tombleson George Wil- KinsonKL2NW KL1JJehazbreim@yahoo.com kl7qo@gmailcom George Wil- kinsonFred Erickson Lins Larsen Jim Larsen KinsonKL2FE KL1JJfredferickson@gmail.com ipimlarsen2002@alaska.net n6spp@arrl.netChter ContactsFred Erickson Fred Erickson Kl2FEKL7MM kl2FE membership@kl7aa.net membership@kl7aa.netTrustee Membership Newsletter EditorKeith Clark KL2GDKL7FE kl2GDmembership@kl7aa.net membership@kl7aa.net	President	Lara Baker	AL2R	president@kl7aa.net				
Treasurer ActivitiesAlice Baker Shannon MetheKL2GD KL3J1treasurer@kl7aa.net shannonmethe@gmail.comThree Year Board of Direc- tors3 Year remains 2 Year remainsPaul Spatzek Jim WileyWL7BF KL7CCpaulspatzek@gci.net jwiley@gci.net rich@gillin.us1 Year remains 0 Dre year Board of DirectorsTJ Sheffield Frick ReimerKL7TS KL2NWkl7ts@arrl.net ehazbreim@yahoo.comTJ Tombleson KB8JXXKB8JXX kb8jxx@wl7cwe.org KL7QOkl7qo@gmailcom gdwilkinson2@yahoo.comTJ Tombleson KinsonKL7FE Fred Erickson N6SPPfredferickson@gmail.com jimlarsen2002@alaska.net n6spp@arrl.netOther Contacts Newsletter EditorKeith Clark Fred Erickson Alice BakerKL7MM KL2GDtrustee@kl7aa.net membership@kl7aa.net	Vice President	Ron Keech	KL7YK	vicepresident@kl7aa.net				
ActivitiesShannon MetheKL3JIshannonmethe@gmail.comThree Year Board of Direc- tors3 Year remainsPaul SpatzekWL7BF Jim Wileypaulspatzek@gci.net jwiley@gci.net-1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TSKl7ts@arrl.net ehazbreim@yahoo.com-TJ SheffieldKL2NWehazbreim@yahoo.comTJ TomblesonKB3JXXkb8jxx@wl7cwe.org kl7QOKl7qo@gmailcom george Wil- kinsonGeorge Wil- KinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.com jim LarsenAL7FSjimlarsen2002@alaska.net hosp@arrl.net-TrusteeKeith ClarkKL7MM KL2GDtrustee@kl7aa.net membership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	Secretary	Tim Crowley	KL2VK	secretary@kl7aa.net				
Three Year Board of Direc- tors3 Year remainsPaul SpatzekWL7BF KL7CCpaulspatzek@gci.net3 Year remainsJim WileyKL7CCjwiley@gci.net1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of Directors1 Year remainsTJ SheffieldKL7TSKl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- KinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netTrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	Treasurer	Alice Baker	KL2GD	treasurer@kl7aa.net				
Board of Direc- tors3 Year remainsPaul SpatzekWL7BFpaulspatzek@gci.net2 Year remainsJim WileyKL7CCjwiley@gci.net1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of DirectorsDoe year Board of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netDim LarsenAL7FSjimlarsen2002@alaska.netFric ThompsonN6SPPn6spp@arrl.netCther ContactsFred EricksonKL7FETrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL2FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	Activities	Shannon Methe	KL3JI	shannonmethe@gmail.com				
2 Year remainsJim WileyKL7CCjwiley@gci.net1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netTJ SheffieldKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netDither ContactsFred EricksonKL7FETrusteeKeith ClarkKL7FEmembership@kl7aa.netMembershipFred EricksonKL2FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	Board of Direc-							
1 Year remainsRich GillinAL4Srich@gillin.usOne year Board of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netTJ SheffieldKL7TSkl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsFred EricksonKL7FETrusteeKeith ClarkKL7FEmembership@kl7aa.netMembershipFred EricksonKL2FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	3 Year remains	Paul Spatzek	WL7BF	paulspatzek@gci.net				
One year Board of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsFred EricksonKL7FETrusteeKeith ClarkKL7FEmembership@kl7aa.netMembershipFred EricksonKL2GDeditor@kl7aa.net	2 Year remains	Jim Wiley	KL7CC	jwiley@gci.net				
of DirectorsTJ SheffieldKL7TSkl7ts@arrl.netEric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsKL7FKtrustee@kl7aa.netTrusteeKeith ClarkKL7FKmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	1 Year remains	Rich Gillin	AL4S	rich@gillin.us				
Eric ReimerKL2NWehazbreim@yahoo.comTJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netLic ThompsonN6SPPn6spp@arrl.netTrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net	-							
TJ TomblesonKB8JXXkb8jxx@wl7cwe.orgChris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsKL7MMtrustee@kl7aa.netTrusteeKeith ClarkKL7FEmembership@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net		TJ Sheffield	KL7TS	kl7ts@arrl.net				
Chris ConwayKL7QOkl7qo@gmailcomGeorge Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsKL17MMtrustee@kl7aa.netTrusteeKeith ClarkKL7FEmembership@kl7aa.netMembershipFred EricksonKL2GDeditor@kl7aa.net		Eric Reimer	KL2NW	ehazbreim@yahoo.com				
George Wil- kinsonKL1JJgdwilkinson2@yahoo.comFred EricksonKL7FEfredferickson@gmail.comJim LarsenAL7FSjimlarsen2002@alaska.netJim LarsenAL7FSn6spp@arrl.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsTrusteeKeith ClarkKL7MMtrustee@kl7aa.netFred EricksonKL7FEMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net		TJ Tombleson	KB8JXX	kb8jxx@wl7cwe.org				
kinson Fred Erickson KL7FE fredferickson@gmail.com Jim Larsen AL7FS jimlarsen2002@alaska.net Eric Thompson N6SPP n6spp@arrl.net <u>Other Contacts</u> Trustee Keith Clark KL7MM trustee@kl7aa.net Membership Fred Erickson KL7FE membership@kl7aa.net Newsletter Alice Baker KL2GD editor@kl7aa.net		Chris Conway	KL7QO	kl7qo@gmailcom				
Jim LarsenAL7FSjimlarsen2002@alaska.netEric ThompsonN6SPPn6spp@arrl.netOther ContactsTrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletter EditorAlice BakerKL2GDeditor@kl7aa.net		•	KL1JJ	gdwilkinson2@yahoo.com				
Eric Thompson N6SPP n6spp@arrl.net <u>Other Contacts</u> Trustee Keith Clark KL7MM trustee@kl7aa.net Membership Fred Erickson KL7FE membership@kl7aa.net Newsletter Alice Baker KL2GD editor@kl7aa.net		Fred Erickson	KL7FE	fredferickson@gmail.com				
Other ContactsTrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletterAlice BakerKL2GDeditor@kl7aa.netEditorEditorEditorEditor		Jim Larsen	AL7FS	jimlarsen2002@alaska.net				
TrusteeKeith ClarkKL7MMtrustee@kl7aa.netMembershipFred EricksonKL7FEmembership@kl7aa.netNewsletterAlice BakerKL2GDeditor@kl7aa.netEditorEditorEditorEditor		Eric Thompson	N6SPP	n6spp@arrl.net				
Membership Fred Erickson KL7FE membership@kl7aa.net Newsletter Alice Baker KL2GD editor@kl7aa.net Editor	Other Contacts							
Newsletter Alice Baker KL2GD editor@kl7aa.net Editor	Trustee	Keith Clark	KL7MM	trustee@kl7aa.net				
Editor	Membership	Fred Erickson	KL7FE	membership@kl7aa.net				
Web Master Ron Keech KL7YK webmaster@kl7aa.net		Alice Baker	KL2GD	editor@kl7aa.net				
	Web Master	Ron Keech	KL7YK	webmaster@kl7aa.net				

August 2013

13

## **Regular Committee Meetings:**

By-Laws Committee: Inactive at the present time.

- Finance Committee: Monday of week before Board meeting, 7:00PM at Hamshack. Monday of week after Board meeting, 7:00PM at Hamshack. Contact Keith Clark, KL7MM, trustee@KL7aa.net for info.
- Projects Committee: Tuesday of week before Board meeting, 7:00PM at HamShack. Tuesday of week after Board meeting, 7:00PM at Hamshack. Contact TJ Sheffield, KL7TS, kl7ts@arrl.net for info.
- VEC Testing: Testing on 1st Tuesday and 2nd Saturday each month. Contact Jim Wiley, KL7CC, jwiley@arrl.net for info.
- VHF:As needed (usually with a repeater in trouble and needing "aid").<br/>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



### FREE equipment!! reprinted

There is a large quantity of amateur radio related equipment including tower sections, antennas, and rigs available for pickup. These were taken down and carried away by van, truck, and trailer from a ham who is moving Outside in the near future and is disposing of most of his gear.

Please contact Pat, KL3JH, via local repeaters or on 146.52 following the Tuesday evening South Central Simplex Net to arrange for pickup.

The emphasis is on getting this gear into the hands of new hams so that they may go operational as soon as possible.

However, anyone may contact Pat and make a request for item(s) as needed. So here you are:

- Tower sections believed to be Rohn 45 one bottom section with base plate and one top section that necks down for mast insertion no middle sections in like-new condition.
- Two HF all-band vertical antennas with radials believed to be Cushcraft one with an integrated matchbox at the base
- G5RV multi-band dipole with insulators, ladderline, and matching balun transformer
- Two 2M FM crystal controlled rigs one an Icom IC-22 the other a very nice homebrew base station from the ARRL Handbook would be great for packet or other simplex operation
- Six meter beam five elements believed to be Cushcraft in very nice condition
- LOTS of aluminum mast sections that neck together structure standoff clamps for mast sections base clamps, base mounts, antenna peripherals of all description

There's probably more that I've forgotten already - there was a like-new Craftsman self-propelled mower that was given away to a new family that just moved up from Texas and a box of Lionel O gauge (3-rail) train equipment!

73 and happy shopping, Craig, KL4E, and Pat, KL3JH





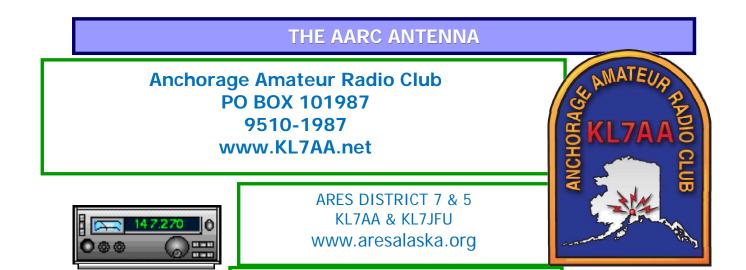
## Plan ahead:

The Event (marathons, etc.) season is here.

Our list is getting shorter. Please plan to get involved — these events are fun!!!!

Big Wild Life Runs: August 18, 2013 Downtown Contact Keith Clark, KL7MM, to volunteer.

MS-150 Alyeska to Hope, Sept. 7th & 8th, 2013 Contact Allen Abbott, KB1QCE, to volunteer.



# August 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	$2 \operatorname{AARC}_{\operatorname{General}}_{\operatorname{Mtg}}$	3
4	5	6 VE Testing	7	8	9	10VE Testing
					Fa	airbanks Hamfest
11	$12^{ m Finance}_{ m Com.~7PM}$	1 Projects Com. 7PM Ears Genl. Mtg		15	16	17
18Big Wild Life Run	19	20 AARC Board Meeting 7 PM	$21  {}^{ m Mara\ Boar}_{ m Meeting\ 6\ PM}$	₫ <u>22</u>	23	24
25	$26^{ m Finance}_{ m Com.7:00}$	$27^{ m Projects}$ Com. 7PM	28	29	30	31 Mara Meeting 12 Noon

**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**

1<sup>st</sup> Friday each month: <u>AARC general meeting</u> - 7:00 PM in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.27+ repeater.

### 1<sup>st</sup> Tuesday each month (except for holidays):

<u>VE License Exam</u> 6:30 PM, at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 688-0660.

1<sup>st</sup> Thursday each month: <u>Moosehorn Amateur Radio Club General meeting</u> - 7:00 PM Location changes monthly so call on 146.88-repeater for info. Moosehorn ARC also holds a weekly luncheon every Thursday, locations and times change — contact George Van Lone, KL7AN: donnav@acsalaska.net

2<sup>nd</sup> Saturday each month: <u>PARKA (Polar Amateur Radio Klub of Alaska) Meeting</u> at 11:00 AM. Polar Amateur Radio Klub of Alaska. All amateurs welcome. Denny's on Denali Street in Anchorage. Some business is discussed. Originally established as an all woman organization, membership now includes spouses or significant others. Talk in on 147.30+.

### 2<sup>nd</sup> Saturday each month (except for holidays):

<u>VE License Exams</u> at 2:00 PM. at Hope Cottage 540 W. International. Be sure to bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 688-0660.

3<sup>rd</sup> Tuesday each month: <u>AARC Board Meeting</u> at 7:00 PM at Hope Cottage 540 W. International. All hams are invited and encouraged to attend.

**2nd Tuesday of each month:** <u>EARS general meeting</u> 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: <u>club@KL7air.us</u> or <u>kl7yk@arrl.net</u>

**4<sup>th</sup> Saturday of each month:** <u>Valley VE Testing</u> 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 Saturday each month:** <u>MARA meeting</u> at **12:00 Noon,** Fire Station 65, Seward Meridian & Palmer Wasilla hwys. Talk-in help for the meeting can be acquired on the 146.850 repeater. Further details can be found by contacting Don Bush, KL7JFT, <u>dbush@gci.net.</u>

**Every Monday at 11:00 AM:** Meeting of interested Amateur Radio Operators — and lunch at Denny's on Denali. Many code and HF operators attend this function. Come talk radio with these fine folks. For information, contact Kathy O'Keefe, KL7KO, <u>kokalaska@gmail.com</u>

**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.

AARC web page & Email contact addresses: Homepage: <u>http://www.KL7AA.net/</u> Webmaster: <u>webmaster at kl7aa.net</u> Membership:<u>membership at kl7aa.net</u> Newsletter: <u>editor at kl7aa.net</u>

Internet Links, the favorites from our readers: AARC http://www.KL7AA.net SCRC http://www.KL7G.org EARS http://www.kl7air.us http://www.kl7jfu.com MARA Moose Horn ARC <u>http://www.moosehornarc.com</u> PARKA http://www.parka-kl7ion.com ARES http://www.aresalaska.org Practice Exams : http://www.AA9PW.com Fairbanks AARC: http://www.kl7kc.com/ ALASKA MARS: http://www.akmars.org Alaska VHF-Up Group: http://www.qsl.net/ak-vhf/ Yukon Amateur Radio Association: <u>http://www.yara.ca/</u> Links for Propagation: <u>http://www.haarp.alaska.edu/</u> **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

### HF RMS's

- Anchorage VHF ARES RMS WL7CVG- 10 144.9 (Elmendorf Moraine)
- Anchorage HF ARES RMS WL7CVG (multi-band scanning see <u>WWW.WINLINK.ORG</u> 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 <u>WWW.WINLINK.ORG</u> for frequencies)
- South Central Digipeater WL7CVG- 4 144.9 (Knik)

## **NETS in ALASKA:**

The following nets are active in Alaska:

### <u>VHF</u>

- ARES Net: 147.33 103.5Hz Thursdays at 8:00 PM local
- No Name Net: 146.85/.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: 145.15(-) PL123.0Hz; Daily at 9:00 AM

### <u>HF</u>

- 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@arrl.net.



## Data You Can Use:

$\prec$				
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
147.33 +	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			

<u>WINLINK</u>	<u>Callsign</u>	<b>Frequency</b>
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





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. <u>www.arrl.org</u>

For more information about the ARRL DX Century Club Program check out: <u>http://www.arrl.org/awards/dxcc/</u>



## **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: <u>http://mailman.gth.net/mailman/listinfo/kl7aa</u>

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.

### 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.

#### <u>www.ares.org</u>

Emergency Management Institute



http://training.fema.gov/

### **ARES NETS:**

1st Thursday: HT / Portable 2nd Thursday: Mobile Madness 3rd Thursday: RED CROSS 4th Thursday: Emergency Power ARES South Central Alaska District Contact Information Don Bush, KL7JFT@arrl.net

ARES Net: Thursday Nights 8:00 PM

147.33+ PL:103.5

"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 also hosts a VHF RMS which provides Radio to Email service on VHF Radio in the Anchorage area.

The WL7CVG RMS's frequency listings, etc. can be found on www.Winlink.Org . "

### 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.

Permission is hereby granted to any not for profit Amateur Radio Publication to reprint any portion of this newsletter provided that both the author and Anchorage Amateur Radio Club are credited.

#### 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: <u>editor at kl7aa.net</u>

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 phones 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 <u>www.KL7AA.net</u>.

Thanks for your help in this.

August 2013

	10 9 8 7 6	- α ω 4 π	No.	<b>.</b> .	18		
Approved Entered		2013.03.01	DATE	Name	ANCHORACE STATE		
Office Use Only Initials			HOW PAID	MEMBER INFORMATION:			
PAID CHECK #:			VENDOR	DRMATION:	Anchorage Amateur PO BOX 101987 Anchorage, AK 99510-1987		
1. No, means the number of the invoice attached, i.e., the first invoice attached is No. 1, the second attached is No. 2, etc. All invoices, vouchers for which reimbursement is requested must be attached. 2. Purpose, Means the budget item, program for which expenditure occurred. It also means the specific reason for the expenditure. An entry might read for newsletter" or repair of transmitter for KLTAA repeater 3. How Paid. Means how you paid, i.e. check, credit card, cash, cash from petty cash fund, etc. 4. If there are several invoices relating to a single project, and several invoices relating to another project, use two or more reimbursement request forms 5. Deliver or mail Reimbursement form and vouchers to Treasurer, P.O. Box 101987 Anchorage, Ataska 99510. Reimbursement will be mailed to you.			PURPOSE/DESCRIPTION	ADDRESS:	Anchorage Amateur Radio Club PO BOX 101987 Anchorage, AK 99510-1987		
a attached, i.e., the first inv which reimbursement is require gram for which expenditu for KL7AA repeater , check, credit card, cash, c to a single project, and sev to an youchers to Treasurer			ANCHORAGE, AK 985xx			9	eur R
clice attached is No. 1, the leated must be attached re occurred. It also mee reash from petty cash fun eral invoices relating to a p. P.O. Box 101987 Anch			E, AK 995xx ACCOUNT		STATEMENT D Expei		
ie second attached is ins the specific reason for i d, etc. onage, Alaska 99510. Rei			CLASS	SIGNATIBE	ENT DATE Expense R	1	1987
1. No. means the number of the invoice attached, i.e., the first invoice attached is No. 1, the second attached is       Advance         No. 2, etc. All invoices, vouchers for which reimbursement is requested must be attached.       TOTA         2. Purpose. Means the budget item, program for which expenditure occurred. It also means the specific reason for the expenditure. An entry might read "paper for newsletter" or "repair of transmitter for KLTAA repeater"       TOTA         3. How Paid. Means how you paid, i.e. check, credit card, cash, cash from petty cash fund, etc.       It there are several invoices relating to a single project, and several invoices relating to another project, use two or more reimbursement request forms.         5. Deliver or mail Reimbursement form and vouchers to Treasurer, P.O. Box 101987 Anchorage, Ataska 99510. Reimbursement will be mailed to you.			MEMO		Statement No. ATE 2013.03.01 nse Reimbursement Report	-	
Advances TOTAL read "paper" ms.			TOTAL		ino. 1	-	PURP
ugust 2013	25						
		4 5					