

Anchorage Amateur Radio Club

Next Meeting November 4th

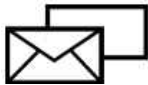
Program for November

Jim Wiley, KL7CC

Lee Wareham, KL7DTH, will speak about his adventures flying from Alaska to Norway and back over the pole in his Cessna 185 - this is the adventure where Ron Sheardown lost his Soviet built AN2 biplane through the ice. I saw the presentation a few years ago, just after the event, and it was absolutely fascinating.

Lee has some audio tapes excerpts of the conversations on the ham radio (between himself and Jerry Curry, KL7EDK, in Fairbanks), which kept up continuously for the whole flight, across and back. There will be time for questions.

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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 (click the link below):

<http://mailman.qth.net/mailman/listinfo/kl7aa>

Step #2: On the web page you will see a section titled "Subscribing to KL7AA". Enter your e-mail address in the "Your email address" entry box.

Step #3: Pick a password for your account and enter it in the box marked "Pick a password" and then enter the same password in the box marked "Reenter password to confirm". This password will be used to change your settings on the list such as digest mode, etc.

Step #4: If you would like the e-mails in daily digest form click yes on the line marked "Would you like to receive list mail batched in a daily digest?"

Step #5: Click on the "Subscribe" button below the information that you just entered.

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QST QST QST

The 2006 Iditarod Sled Dog Race is just around the corner and we are in need of the Amateur Radio Community to step up to the plate. Ham radio has been a major part of the

communications support for this race since its inception in 1973.

Gordon Hartlieb AL1W has again volunteered for the Start Communications Coordinator and need over 35 Hams for the 4th of March 2006.

Jim Bruton KL7HJ has volunteered to replace Dan O'barr KL7BD as The Re-start Coordinator as Dan's new job does not allow for the time required for this job. He will need more than 35 hams for the "real" start on the 5th of March 2006.

Kristin Young, (a poor unguided non ham) is the HQ coordinator and is in need of 144 volunteers to fill HQ shifts of which 33 are Ham required. This is a 24/7 operation with 6hr. shifts from the 2nd of March thru the 21st of March 2006.

Bernadette Anne, (another poor unguided non ham), is the Trail Communications Coordinator and has 48 positions to fill of which 24 are Hams, 6 more than last year. Although the Ham positions are filled she will need a reserve of Hams (all classes) to backfill trail positions that become vacant for unplanned reasons.

Every year approximately 20% of the positions need to be refilled.

PLEASE help me and show the world what Ham Radio can do. You can contact me for more information or to volunteer, or go to the Iditarod.com web page and link to the Communications web page. You can also fill out the volunteer form on line.

Mark Kelliher KL7TQ
Iditarod Communications Coordinator
907-694-3722
kl7tq@arrl.net

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Net Reports via Radio (SSB, FM or CW)

Ed Trump, AL7N

Just so you know what the deal is.....

All this recent disaster business on the Gulf Coast has caused some concern about what might happen in Alaska if we ended up in the middle of "the big one".

As Alaska STM, my job is to coordinate traffic activity among the nets, and compile and forward information such as net activity reports and individual station reports to ARRL HQ for the monthly Section report.

For a long time, net reports and some amount of written traffic have all been coming via e-mail, indicating a widespread dependence on commercial infrastructure (internet) to pass even routine information. I am not without guilt myself in this, but recent events show that we may someday wish we had not let this kind of "dependence" develop.

It seems to me that with all the hundreds (?) of amateurs active in Alaska and SSB nets running with check-in numbers in the thousands each month, that we ought to be able to forward simple net reports across the state accurately BY RADIO instead of using the internet. I think this will be a good ongoing "exercise" in handling at least a tiny bit of "formal traffic" in some of these nets that meet without much activity besides "checking in-no traffic" day after day after day.

most people feel they are "ready" to help out in an emergency

Apparently most people feel they are "ready" to help out in an emergency but if they never actually practice getting written information across the state "word for word, character for character, promptly and accurately" in the often grungy radio conditions we live with at high latitudes, then if the SHTF, they may not be adequately prepared in a real situation where this skill and ability could be extremely important.

Sending monthly net reports VIA RADIO (notice I did not say ONLY via CW!) is one way of trying to encourage people to sharpen those skills a little, without making too big a project out of it. What I want the net managers and the folks in the various SSB and VHF nets around Alaska to do is work out any necessary liaison between the nets, and move the net reports to Fairbanks stations via any radio link (SSB, CW, VHF link bounced off Mt McKinley, I don't care, as long as it is done entirely BY RADIO) for delivery to me locally. We need to wean ourselves off the internet! If we have a large disaster in Alaska, the internet will be among the first things to go away.

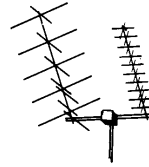
I would prefer this net report information be forwarded to Fairbanks as a formal radiogram and delivered to my station via VHF FM or CW. I am not using SSB at present. Frequencies 146.52 MHz FM, and CW frequencies 3540 7042 14050 are monitored continuously when I am home and not at work or running errands around town, which is most evenings after 6 or 7 PM (after the statewide nets run) and most weekends.

The telephone number listed in the Fairbanks directory DOES NOT RING at my residence (it is used only for computer link and computer is down UFN due to hard drive failure right now). If delivery by radio is too hard for anybody and a local telephone call is absolutely necessary, use my cell phone number 907-322-0261 anytime.

(This article is a partial repeat of last month and emphasizes the need to stay trained on using our radios. al7fs)

73, Ed, AL7N, Fairbanks, AK

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Information on Low Earth Orbit Satellites at

<http://gahleos.obarr.net/>

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A Quiz for the Old Timer (OT) Submitted by Craig Bledsoe, KL4E

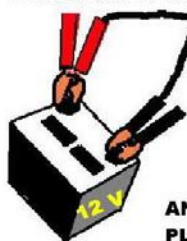
Here is a quiz that may stimulate the memories of those who used "hollow state devices" before they transitioned to solid state devices. **The answers** are just before Data You Can Use. I'll copy this to Jim Wiley to proof for accuracy.

1. Rank the following in order of size: A.) 5894 B.) 832A C.) 829B What kind of tubes are they?
2. Rank the following in order of performance: A.) 417A B.) 6AK5 C.) 416B What kind of tubes are they? Who manufactured all three?
3. Fill in the blanks: 12BE6, _____, 12AV6, _____, 35W4 What was the common name for this set of tubes? Why do they go in an AC/DC radio?
4. Which of these is not a variety of vacuum tube? Loctal, Compactron, Acorn, Dymaxion, Nuvistor, Lighthouse. Who was the creator of the one that isn't a tube?
5. Rank the following in order of size: A.) 813 B.) 5763 C.) 6146B D.) 2E26 E.) 811A What kind of tubes are they?
6. What can you see on the front of a Heathkit Signal Tracer or a Gonset II (but you won't see on a Gonset III)?
7. Some tubes have a silvery material deposited near the location where the air was removed. Other tubes have a white material in the same place. What is this material called, and what's the difference?
8. Portable tube operated radios required a variety of batteries. Which of the following is not a standard "B" battery voltage? 22.5, 33, 45, 78, 90. What is the common theme of the wrong answer(s)?
9. Tube voltage math quiz: What is the difference of a 1625 minus an 807 added to the difference of an 0A2 minus an 0B2?
10. Which of the following was not a source of high voltage for vacuum tubes in various applications? Vibrator, Flyback, Dynamometer, Inverter, Dynamotor. What did a synchronous vibrator and a dynamotor have in common?

POOR BOY POWER SUPPLY GO BUCKET ACCESSORY

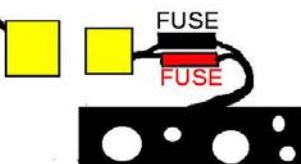
CORD CAN BE QUICKLY CONNECTED TO ANY
12 VOLT BATTERY SOURCE SUCH AS A BOAT,
SNOWMOBILE, AIRCRAFT, OR AUTOMOBILE!

2 INSULATED GATOR CLIPS



ANDERSON TYPE
PLUG OR SIMILAR
PLUG TO CONNECT
RADIO. MAKE SURE
BOTH LEADS ARE
FUSED!

25 FEET OF HEAVY DUTY
ZIP CORD. SHOULD BE OF
A GAUGE CAPABLE TO
HANDLE 100 WATT RADIO.
TYPE THAT IS USED ON A
BIG SPACE HEATER WILL
WORK. CHECK OUT AMPS.



TIM COMFORT NL7SK

survives. We are looking for members new and old. Hope to see you the first Wednesday of the month at 1730, check on the EARS Repeater for exact location as it's possible we will be in the new location by November.

146.67 PL 107.2 Minus Shift and you need not be a member to use the repeater.

Thanks to all who have stepped up so far and gotten involved. Any questions can be directed to me via email or on the air.

Ron Keech, KL1PL
(Winner of the Coveted 2005 FT-8800 Award from AARC)
Elmendorf Amateur Radio Society (EARS), AARA, MARA,
ARRL.....you get the idea.



ARES Contact Information

Heather Hasper, KL7SP
747sp@arctic.net
Pager: 907-275-7474

Additional information on ARES can be found at the following URL:

<http://www.qsl.net/aresalaska/>

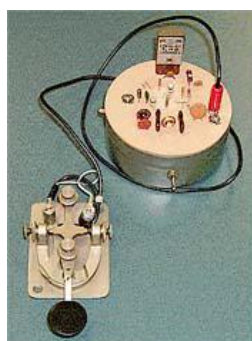
From the desk of the SEC

A lot has been happening during the past few months. From massive hurricane damage to even worse earthquake damage. Events that have been nearly unprecedented in our lifetimes. I have been watching the events and the response of the people involved and am wondering why they were not better prepared, especially in this country, especially when they had lots of notice of what was coming.

We need to look at our emergency plans, not just as amateurs, but as individuals and families. I have collected a great deal of information from the events coming from Katrina and I can assure each of you that "doing business" will never be the same again. The way we operated even 10 years ago will not be acceptable now. There will be new procedures written into the Section Plan in the next few months to reflect the changes in our emergency systems.

The one shining thing coming out of Katrina was the work of the amateurs in that region. They provided the only communications in a hard hit area.

We now have a national sign-up database for all amateurs wanting to work in emergencies. They are screened by their respective SEC's for suitability for the work. They set up a staging center in Montgomery AL that all the amateurs had to process thru before they were assigned. Amateurs who just "showed up" were told to leave and if they didn't, they



Alaska QRP Club meets the Third Friday of every month – 7:00 PM (Some show for dinner at 6PM): Hams with QRP (low power under 5 watts) and Homebrewing interests meet for a social meeting monthly. Meet at Dennys (in the back room) on DeBarr near Bragaw. Contact is Jim Larsen, AL7FS, JimLarsen2002@alaska.net or 345-3190.

Echolink *QRP* conference: Every Sunday at 5PM ADT. Connect to the QRP Conference.

Progress is being made in the effort to revive the **Elmendorf Amateur Radio Society** and the **KL7AIR Club Station**.

As renovation of the existing facility is cost prohibitive we decided to look for a new home. At this time pending final approval from the Civil Air Patrol the plan is to move into R1 North on Elmendorf.

Site provides a well maintained facility and a hilltop location. In return the Club will provide operator training to the Cadets. Win, Win for all concerned!

We are in the process of reaccomplishing the required paperwork for the base, and working on reestablishing officers and such. The club was in a state of fading away when we took on the task of getting it back online. A few of the original members had been hanging on and now things are looking up.

As a reminder to all, the KL7AIR Club Station is a Military Recreation Station, one of the few left. While most of the original members have moved on to other things the club


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LZ DX CONTEST (CW/SSB) ... QRP Category  
Nov 19, 1200z to Nov 20, 1200z  
Rules: <http://www.qsl.net/lz1fw/contest/>  
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ARRL Sweepstakes (Phone) ... QRP Category  
Nov 19, 2100z to Nov 21, 0300z  
Rules:  
<http://www.arrl.org/contests/calendar.html?year=2005>  
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HOT Party (CW) ... QRP Category  
Nov 20, 1300z to 1500z (40 Meters)  
Nov 20, 1500z to 1700z (80 Meters)  
(HOMEBREW & OLDTIME - EQUIPMENT - PARTY)  
Rules:<http://www.qrpcc.de/contestrules/hotr.html>  
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RUN FOR THE BACON (CW) \*\*\* QRP CONTEST! \*\*\*  
Nov 21, 0100z to 0300z  
Rules: <http://fpqrp.com>  
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CQ World Wide DX Contest (CW) ... QRP Category!  
Nov 26, 0000z to Nov 27, 2400z  
Rules: <http://www.cq-amateur-radio.com/awards.html>  
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QRP BARBERSHOP QUARTET CONTEST (CW  
QRP)... QRP Contest!  
Nov 30, 2100 EST to 2300 EST  
Rules: [http://www.io.com/~n5fc/barbershop\\_contest.htm](http://www.io.com/~n5fc/barbershop_contest.htm)  
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Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL  
and others  
for assistance in compiling this calendar.

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Ken Newman - N2CQ  
[N2CQ@ARRL.NET](mailto:N2CQ@ARRL.NET)

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### ANSWERS to KL4E Quiz:

1. B, C, A. Dual tetrode transmitting tubes commonly used in VHF homebrew and commercial FM transmitters.
2. B, A, C. Low noise figure receiving tubes used in the front-end of VHF and UHF receivers. Western Electric manufactured these tubes for commercial communications circuits, and they could be hard to find other than as telephone industry pulls.

3. 12BA6 - 50C5. All American Five (there was an earlier version that used octal tubes; these are 7-pin miniatures.) There is no power transformer - the series filaments and the rectified B+ both come directly from the wall plug, so the circuit will work on either AC or DC power mains.

4. Dymaxion. This was a streamlined family car designed by Buckminster "Bucky" Fuller, creator of the geodesic dome. You can see an original Dymaxion at the Harrah's Auto Museum in Reno if you're interested.

5. B, D, C, E, A. Tetrode power amplifier tubes used singly or in groups ranging in power output from a just few watts to over a kilowatt.

6. A "Magic Eye" tube used as a tuning indicator or a meter. Because of their fast reaction time (compared to a panel meter) they were preferred for audio measurements and modulation adjustments.

7. The common name is "getter" because it is supposed to "get" the last remaining atmospheric molecules out of the vacuum inside a vacuum tube. It turns white when the tube leaks and the "getter" becomes contaminated with outside air.

8. 33 and 78. These numbers, along with 45, are the approximate RPM values that phonograph record turntable platters were capable of rotating.

9. 51 volts. The 1625 and the 807 are essentially the same power amplifier tube except for the filament voltage (12 volts minus 6 volts = 6 volts.) The 0A2 and the 0B2 are voltage regulators at 150 volts and 105 volts respectively (150 volts minus 105 volts = 45 volts.) 6 volts plus 45 volts = 51 volts.

10. Dynamometer. This is a device for measuring horsepower and is used for tuning up race car engines. Synchronous vibrators and dynamotors both used mechanical rectification to convert the (roughly) square wave high voltage AC back to DC for the tubes' B+ circuits. When I was a new USAF 2nd lieutenant I made spending extra spending money by rebuilding dynamotors for local 2-way radio shops around Sacramento.



## Data You Can Use:

### Officers

**President** Jim Larsen, AL7FS [president@kl7aa.net](mailto:president@kl7aa.net)  
**Vice Pres.** Judi Ramage, WL7DX [vicepresident@kl7aa.net](mailto:vicepresident@kl7aa.net)  
**Secretary** Fielder George Dowding KL7FHX  
[secretary@kl7aa.net](mailto:secretary@kl7aa.net)  
**Treasurer** Heather Hasper, KL7SP, [treasurer@kl7aa.net](mailto:treasurer@kl7aa.net)  
**Trustee** Keith Clark, KL7MM [trustee@kl7aa.net](mailto:trustee@kl7aa.net)  
**Activities Chairman** Jesse Jones, KL1RK  
[activities@kl7aa.net](mailto:activities@kl7aa.net)  
**News Letter Editor** Jim Larsen, AL7FS  
**Membership Chairman** Fred Erickson KL7FE  
[membership@kl7aa.net](mailto:membership@kl7aa.net)  
**Past-Pres.** Jim Larsen, AL7FS [pastpresident@kl7aa.net](mailto:pastpresident@kl7aa.net)

### Three Year Board Members

Jim Wiley, KL7CC [jwiley@alaska.net](mailto:jwiley@alaska.net)  
Richard Block, KL7RLB, [rlblock@arctic.net](mailto:rlblock@arctic.net)  
Frank Pratt, KL7RX [kl7rx@arrl.net](mailto:kl7rx@arrl.net)

### One Year Board Members

Steve Jensen - KL0VZ, [jensens@acsalaska.net](mailto:jensens@acsalaska.net)  
Steve Gehring - NL7W, [steveg@mtaonline.net](mailto:steveg@mtaonline.net)  
TJ Sheffield - KL7TS, [kl7ts@hotmail.com](mailto:kl7ts@hotmail.com)  
Edward Moses - KL1KL, [kl1kl@ak.net](mailto:kl1kl@ak.net)  
Mike O'Keefe - KL7MD, [mok@gci.net](mailto:mok@gci.net)  
Mike Wood - KL1RO, [kl1ro@arrl.net](mailto:kl1ro@arrl.net)  
David Stevens - KL7EB, [kl7eb@arrl.net](mailto:kl7eb@arrl.net)  
Carl London - N5XLI, [carljondon@yahoo.com](mailto:carljondon@yahoo.com)

### AARC web page & Email contact addresses:

**Homepage:** <http://www.KL7AA.net/>  
**Webmaster:** [webmaster@kl7aa.net](mailto:webmaster@kl7aa.net)  
**President:** [president@kl7aa.net](mailto:president@kl7aa.net)  
**Vice President:** [vicepresident@kl7aa.net](mailto:vicepresident@kl7aa.net)  
**Membership:** [membership@kl7aa.net](mailto:membership@kl7aa.net)  
**Newsletter:** [editor@kl7aa.net](mailto:editor@kl7aa.net)

### News Letter Submissions, Information or corrections:

Submissions must be received 2 weeks before meeting  
Email: [editor@kl7aa.net](mailto:editor@kl7aa.net)  
Mail: 3445 Spinnaker Drive, Anchorage 99516

### Nets in Alaska:

The following nets are active in South-central Alaska:  
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  
Alaska Pacific Net 14.292 MHz 8:00 AM M-F  
**ACWN (Alaska CW Net)** 3534, 7042 Daily @ 0700 –  
1000, and 1900 - 2400 Alaska Time - AL7N or KL5T  
monitoring.

Net Purpose: Formal NTS traffic via CW.

No Name Net 146.85/.25 repeater Sundays 8:00 PM  
Grandson of SSB Net 144.20 USB Mondays 8:00 PM local  
Big City Simplex Net 146.520, 446.0, & 52.525 FM  
With Packet 145.01 Tuesdays 8:00 PM local  
ARES net 147.27/87 103.5Hz - Thursdays at 8:00 PM local  
PARKA net 147.30/90 Thursdays at 7:00 PM local  
ERC VHF Net 147.27/87 103.5Hz – Sunday 7:30 PM local  
ERC HF Net 3.880 MHz – Sunday 8:30PM local

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.

### Anchorage & Mat Valley Area Repeaters-a/o Mar05

KL7AA systems at Flattop Mt., 2,200 ft  
146.94/34 MHz, 80 watts, autopatch, 141.3 Hz PL (problems)  
224.94/223.34, 25 watts, no patch, no PL  
444.70/449.70, 25 watts, autopatch, 141.3 PL  
**\*\*147.27/87 MHz, no patch, Mount Susitna 103.5 Hz**  
**\*\*443.3/448.3, no patch, Mount Susitna 103.5 Hz**  
KL7CC, Anchorage Hillside, SCRC & QCWA  
146.97/.37 MHz, 30 watts, autopatch, 103.5 Hz PL  
KL7M Anchorage Hillside  
147.21/.81 MHz, on IRLP, 97.4 Hz PL  
KL7ION at Mt. Gordon Lyon, PARKA 3,940 ft  
147.30/90, MHz - 80 watts, no patch, 141.3 Hz PL  
KL7AIR Elmendorf AFB, EARS  
146.67/.07, 107.2 Hz PL  
KL7JFU, KGB road, MARA club  
146.85/.25, autopatch, no PL  
KL7DOB, Alcantra (Wasilla Armory)  
146.64/.04, simplex patch, no PL  
*KL7DJE at Grubstake Peak, 4,500 ft. <down >*  
147.09/.69 MHz, 25 watts, no patch, 100 Hz PL  
444.925/449.925, 10 watts, no patch, 141.3 Hz PL  
*KL3K, Girdwood*  
146.76/16 MHz, 25 watts, no patch, 97.4 Hz PL  
**South Central Area Simplex Frequencies**  
146.52 MHz Calling and Emergency frequency  
147.57 / 447.57 (crossband linked) HF spotters & chat, 103.5  
HZ PL  
146.49 MHz Anchorage area simplex chat  
146.43 MHz Mat Valley simplex chat  
147.42MHz Peninsula simplex chat

## VE Testing in the Valley

Valley VE testing sessions will be held at the Wasilla Red Cross at 7 pm on the fourth Saturday of each month unless it is a major holiday weekend. Wasilla Red Cross is in the Westside Mall, next to Speedy Glass...it's just a click up from AIH hardware

### Internet Links, the favorites from our readers:

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

**AARC** <http://www.KL7AA.org/>

**SCRC** <http://www.KL7G.org>

**EARS** <http://www.qsl.net/kl7air>

**MARA** <http://www.kl7jfu.com/>

**Moose Horn ARC** <http://www.alaksa.net/~kl7fg>

**ARES** <http://www.qsl.net/aresalaska>

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

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

**Yukon Amateur Radio Association:**

<http://www.klondike.com/yara/index.html>

**Links for Homebrewers & QRPers**

<http://www.amqrp.org/misc/links.html>

**Solar Terrestrial Activity** <http://209.130.27.95/solar/>

**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](mailto:editor@kl7aa.net).*

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**NEWSLETTER ARTICLES;** 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 above. Submissions must be in the hands of the editor **no later than the 10 days prior** to the meeting or it may not be included.

### Regular HAM Gatherings:

**Alaska QRP Club, Third Friday - 7:00 PM:** Hams with QRP (low power under 5 watts) and Homebrewing interests meet for a social meeting monthly. Meet at Denny's on DeBarr & Bragaw in the back room. Hungry QRPers start showing up about 6PM. Info contact Jim Larsen, AL7FS, [JimLarsen2002@alaska.net](mailto:JimLarsen2002@alaska.net) or 345-3190.

**Thursdays Brunch, 10:00 AM:** Brunch NW corner of DeBarr and Bragaw. A great bunch of folks attend this one.

**Saturdays Breakfast, 7:30 AM:** Here is a good way to get started on the weekend. Come and meet with some of the locals and have a great breakfast at Phillips Restaurant, at the corner of Arctic and International. Great Fun.

## THIS MONTH'S EVENTS

**1<sup>st</sup> Friday each month - AARC general meeting - 7:00 PM** in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.30+ repeater.

**1<sup>st</sup> Tuesday each month: VE License Exam 6:30 PM,** at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion.

**1<sup>st</sup> Tuesday each month: EARS general meeting - 6:30PM** in the club house/shack in the basement of Denali Hall (building 31-270) on Elmendorf AFB. Talk in on 147.67-repeater.

**2<sup>nd</sup> Friday each month: SCRC general meeting at 7:00 PM** at Denny's on DeBarr & Bragaw. Talk in on 147.57 simplex.

**2<sup>nd</sup> Saturday each month: 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.

**2<sup>nd</sup> Saturday each month: PARKA Meeting at 11:00 AM.** at Peggy's, across from Merrill Field.

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

**3<sup>rd</sup> Friday each month: Alaska QRP Club. 7:00PM** at Denny's on DeBarr in the back room. Info: Jim Larsen, 345-3190. Bring projects to share with the group. Some show up at 6:00PM to eat.

**3<sup>rd</sup> Saturday each month: ARES General meeting 9:30AM to 12:00 PM.** Call TJ Sheffield - KL7TS: kl7ts@arrl.net HM: 248-3864 for additional information. Also check for ARES Info at: <http://www.qsl.net/aresalaska/>

**The last Friday each month: MARA meeting at 7PM** Fire Station 61, located two blocks up Lucille Drive, from the Parks hwy. Talk-in help for the meeting can be acquired on either the 146.640 or 146.850 repeaters. Further details can be found by contacting Len Betts, KL7LB, lelbak@yahoo.com .

### Who Do I Contact to Join AARC Or pay membership renewals?

**Fred Erickson KL7FE**

**12531 Alpine Dr**

**Anchorage, AK 99516-3121**

**frederickson (at) iname.com**

**Phone number: 345-2181**

Annual Dues are \$12 (prorated as appropriate)

Additional Member in same household is \$6.

Full Time Student is no charge.

Ask about Life Memberships.

Anchorage Amateur Radio Club, Inc  
Post Office Box 101987  
Anchorage, Alaska 99510-1987

PRSRST STD  
U.S. Postage  
PAID  
Anchorage, AK  
Permit No. 69



**LIDS**

**AARC ARK KL7AA**

**THE LOCAL HAM CLUB CAME UP WITH A PERFECT MOBILE UNIT. THEY CONVERTED AN OLD FISHING BOAT TO USE AT THE STATE FAIR AND OTHER AQUATIC EVENTS.**

**TIM COMFORT NL7SK 2005**

**MADE FROM  
QUALITY  
BLUE TARPING**

**FINEST  
COPPER  
BOX  
STAPLED  
SEAMS  
ACCENT  
GROMMETS  
OF BRASS**

**FAUX  
TUBE  
SOCK  
CUFFS**

**FLARED LEGS  
WORN OVER  
OR IN BOOTS  
ALL WEATHER  
FEATURE**

**HIGHLY  
POLISHED  
BREAK UP  
BOOTS**

**WHITE  
POLY BAG  
SHIRT FRONT  
DOUBLES AS  
A BIB**

**POLY PRO  
ROPE  
BOLO TIE  
WITH  
BRASS  
GROMMET  
SLIDE**

**SHOP  
TOWEL  
HANKY**

**EXCLUSIVE  
SILVER  
DUCT TAPE  
CUMMERBUND**



**PINE TREE SCENT CAR FRESHENERS  
IN BOOTS ACTING AS ODOR EATERS**

**TOLLEY TUX**

**WE'VE GOT YOU COVERED**