

# Anchorage Amateur Radio Club

Next Meeting MAY 7<sup>th</sup> 2010, 7:00 PM



## MAY 2010 Meeting:

George Sikat. Owner operator of Mat Su Energy. He specializes in Alternative Power Solutions such as Wind Generation and Solar Power. Come and learn more about Alternate Power Systems for your HAMSHACK

## Alternating Current

### US vs the rest of the west.

**K**  
**L**  
**7**  
**A**  
**A** The system of three-phase alternating current electrical generation and distribution was invented by a nineteenth century creative genius named Nicola Tesla. He made many careful calculations and measurements and found out that 60 Hz (Hertz, cycles per second) was the best frequency for alternating current (AC) power generating. He preferred 240 volts, which put him at odds with Thomas Edison, whose direct current (DC) systems were 110 volts. Perhaps Edison had a useful point in the safety factor of the lower voltage, but DC couldn't provide the power to a distance that AC could.

When the German company AEG built the first European generating facility, its engineers decided to fix the frequency at 50 Hz, because the number 60 didn't fit the metric standard unit sequence (1,2,5). At that time, AEG had a virtual monopoly and their standard spread to the rest of the continent. In Britain, differing frequencies proliferated, and only after World War II the 50-cycle standard was established.

Not only is 50Hz 20% less effective in generation, it is 10-15% less efficient in transmission, it requires up to 30% larger windings and magnetic core materials in transformer construction. Electric motors are much less efficient at the lower frequency, and must also be made more robust to handle the electrical losses and the extra heat generated. Today, only a handful of countries (Antigua, Guyana, Peru, the Philippines, South Korea and the Leeward Islands) follow Tesla's advice and use the 60 Hz frequency together with a voltage of 220-240 V.

Originally Europe was 120V too, just like Japan and the US today. It has been deemed necessary to increase voltage to get more power with less losses and voltage drop from the same copper wire diameter. At the time the US also wanted to change but because of the cost involved to replace all electric appliances, they decided not to. At the time (50s-60s) the average US household already had a fridge, a washing-machine, etc., but not in Europe.

The end result is that now, the US seems not to have evolved from the 1950s and 1960s, and still copes with problems as light bulbs that burn out rather quickly when they are close to the transformer (too high a voltage), or just the other way round: not enough voltage at the end of the line (105 to 127 volt spread).

Note that currently all new American buildings get in fact 240 volts split in two 120 between neutral and hot wire. Major appliances, such as virtually all drying machines and ovens, are now connected to 240 volts. Mind, Americans who have European equipment shouldn't connect it to these outlets. Although it may work on some appliances, it will definitely not be the case for all of your equipment. The reason for this is that in the US 240 V is two-phase, whereas in Europe it is single phase.

Roughly speaking, to operate a particular appliance requires a particular amount of POWER, which (at least for resistive loads) is current (I - amps) times voltage (E -volts). Remember from your introduction to ham radio PIE. If you double the voltage, you draw half the current to achieve the same power. The primary advantage of lower current is that you lose less power in the wires feeding current to the appliance (or you can use smaller, cheaper wires for the same power loss rating). On the other hand, the higher voltage is somewhat more dangerous if accidentally touched or if there is an accidental short circuit.



## AMATEUR RADIO

Some experienced electricians are relatively casual about touching 110 V circuits, but all respect 230 V. (This constitutes a "don't-try-this-at-home thing, though --it's quite possible to get a fatal shock or start a fire with 110 V!) Current trends are toward the use of even lower voltages (24V, 12V, 5V, 3.3V...) for any devices which do not draw much total power to increase safety. Power is rarely distributed at these lower voltages; rather it is converted from 110 V or 230 V by a transformer at the earliest opportunity. Even in North America, 220-240V is commonly used in residential appliances for most high-power electrical appliances (ovens, furnaces, dryers, large motors, etc.) so that the supply current and supply wire size can be smaller. Higher power industrial applications often use 480 V or more. And, of course, transmission lines use progressively higher voltages as the distance and total power go up (22,000 V for local distribution to 1,000,000 V for long distance lines).

How does 220w work from the fuse box?

For 220 volts you have two 110 hot lines and a neutral coming to your box. A 110 breaker only uses one line of this to send power to whatever you have connected to it and then the power is returned on your neutral wire. A 220 breaker uses one of each of the two lines to send 220 volts to whatever you have connected to it the neutral does not complete the circuit as it does in a 110 volt circuit. In a breaker box each slot that a breaker can connect to the power is alternately picked up from one line and then the other line. Slot 1 would use line 1...slot 2 would use line 2...slot 3 uses line 1...slot 4 uses line 2 etc etc. A 110 volt breaker only uses one slot and a 220 volt breaker uses two slots..

### **What is the difference between a voltage converter and a voltage regulator?**

A voltage regulator functions as a voltage converter as well as a voltage stabilizer.

A voltage stabilizer will stabilize the electricity to a fixed current. This unit is usually used in countries where the voltage currency is not stable.

The **voltage regulator** will stabilize a voltage fluctuation between 75v-130v to 110v (+- 4%).

The **voltage regulator** will stabilize a voltage fluctuation between 180v-260v to 220v (+- 4%).

### **I have a product that has a UK, Australian or Indian plug on it can I connect it to the VC models?**

Yes, you can connect it directly to the VC series transformers since they come with a UNIVERSAL outlet which can accept any 220 Volt/50Hz (overseas) plug type except for the South African plug.

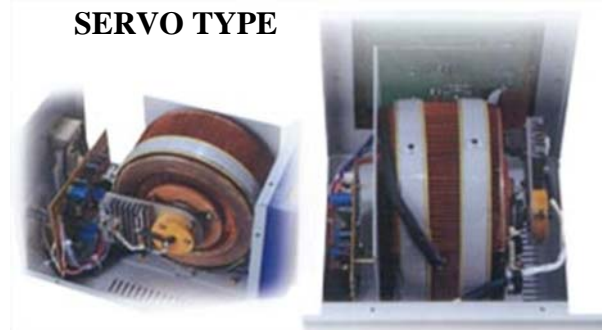
### **Do voltage converters convert the cycle (Hz)?**

All **voltage converters** only convert the voltage and not the cycle, however most appliances and electronics will function properly with them.

North America 110-120 volt electricity is generated at 60 Hz. (Cycles) Alternating Current. Most foreign 220 -240 volt electricity is generated at 50Hz. (Cycles) Alternating Current. This difference in cycles may cause the motor in your 60Hz North American appliance to operate slightly slower when used on 50Hz foreign electricity. This cycle difference will also cause analog clocks and timing circuits that use Alternating Current as a timing base to keep incorrect time. Most modern electronic equipment including battery chargers, computers, printers, stereos, tape and CD players, VCR/ DVD players, etc. will not be affected by the difference in cycles.

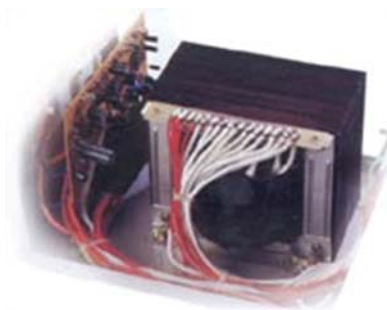
### **What is the Difference between Servo and Relay type voltage regulators?**

#### **SERVO TYPE**



The Servo type **voltage regulator** stabilizes the voltage by adjusting the transformer to the desired output voltage. This ensures the highest precision in voltage stabilization.

The relay type is all done electronically, therefore less precision.



#### **RELAY TYPE**

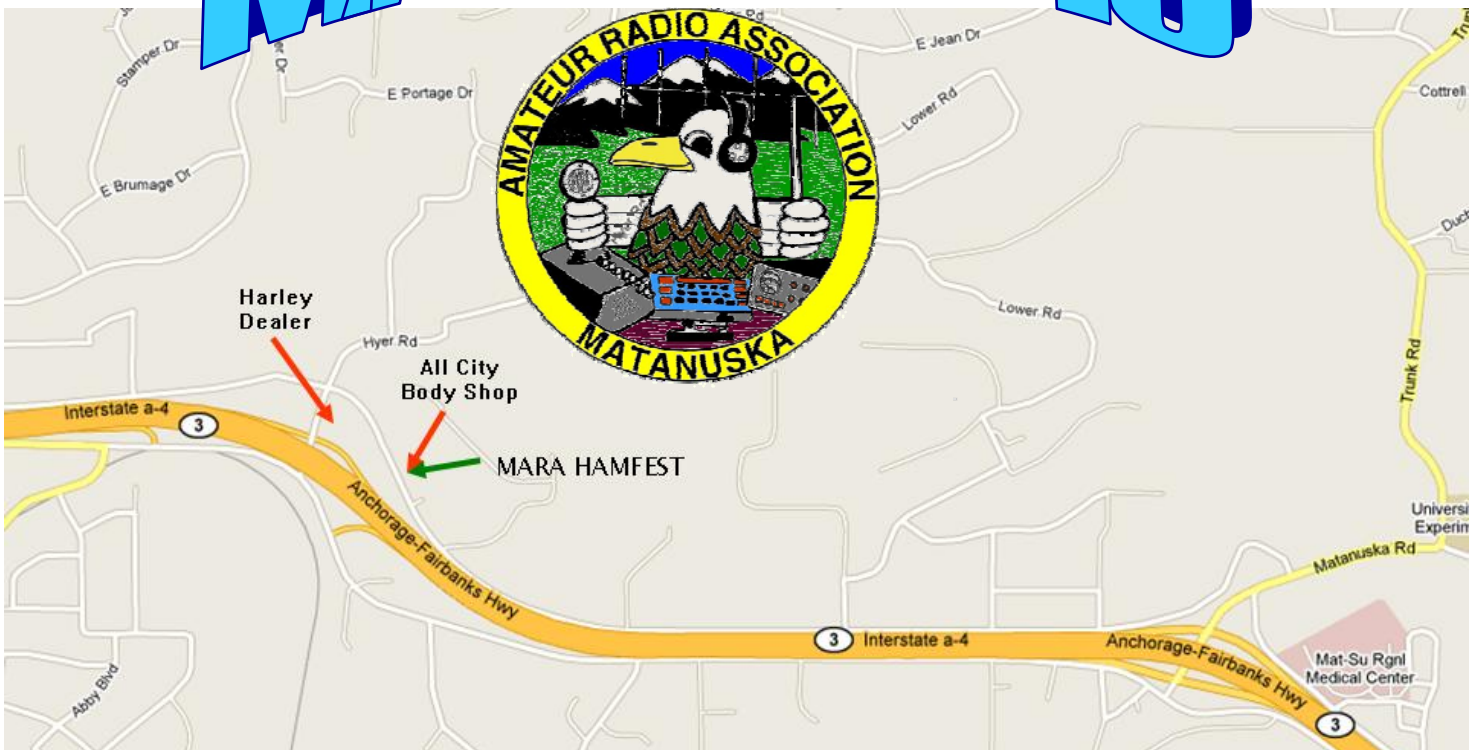
With the exception of passive shunt regulators, all modern electronic voltage regulators operate by comparing the actual output voltage to some

internal fixed reference voltage. Any difference is amplified and used to control the regulation element in such a way as to reduce the voltage error.

### How do I choose the right transformer?

On the back of your appliance, you will find a label describing the power requirements. You should see a label describing the Wattage (W) or the Amperage (A) of the appliance. Once noted, choose a voltage transformer / converter which can handle a higher amount of wattage then your device is rated at. Certain devices which are motor based may require additional power to start up then indicated (know as Surge), in this case always add an extra 20% to the power requirements of your device.

# MARA HAMFEST MAY 8, 2010



**Table COST: \$10.00/each ENTRY FEE: \$3.00**

Winlink & Satellite Demonstrations, Refreshments

**Table SETUP:** 0900 setup

**DOORS OPEN:** 1000-1600

**License Testing Session:** 1200

5810 Blue Bonnett Blvd, Wasilla, AK  
Behind the Harley Davidson dealership off the Parks Highway



# NEWSLETTER EDITOR Needed

By now many of you have either heard via radio or for those of you that pay attention and actually read the minutes of the board meeting or attend club meetings you will notice that I have had to resign from my position as Vice President of KL7AA due to employment reasons.

I continued to carry the newsletter for a few months while the shockwave of my departure has tried to be absorbed by other volunteers of the organization.

The time has come that I also bid farewell to being the current newsletter editor. The newsletter now moves into an electronic only era with the exception of the few of you who have requested hard copies.

My duty of service as a volunteer for KL7AA has been extensive over the last 8 years. From serving as the TREASURER for 4 years, the newsletter EDITOR for 5 years, VICE PRESIDENT, CHAIR of the ARRL AK Convention, and of course as your ARES Emergency Coordinator for more than 5 years.

As a Lifetime member of KL7AA I plan to remain active with the website, preserving club archives and historical records, work with the BYLAWS committee as well as I plan to return to Alaska once my tour of duty is over at which point I will be happy to pick up other AARC duties as needed or requested.

If you are willing and able to accept the position of newsletter editor, please advise the club president at [president@kl7aa.net](mailto:president@kl7aa.net) and I will be happy to pass the reigns onto the next leadership. If a volunteer can not be found, the newsletter publication after 39 years of service by volunteers will cease to exist. Please help your radio club and step up and carry this tradition and membership benefit onto the next generation of ham radio operators and club members.

It has been a pleasure working with all of you to support KL7AA. Thank you to all of you who have supported me and my outreach efforts on behalf of amateur radio and KL7AA in South Central Alaska.

73,

de Heather Hasper, KL7SP



"No Greg went to the ham auction this afternoon, to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now!"

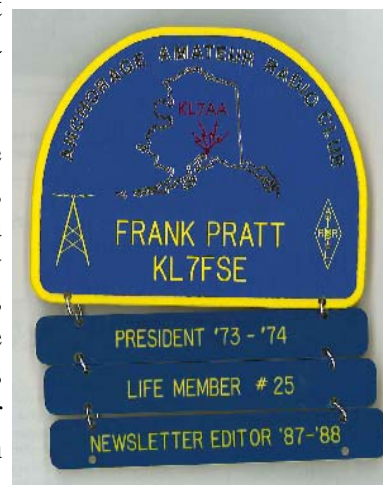
## AARC BADGES

The badge comes with your Name and Callsign engraved, the club logo on an arch 3 inch dome as well as the option of purchasing individual name plates for each position you have served for AARC. If you are interested in purchasing an AARC badge, the costs is \$20.00 per member for each badge and \$2.00 per customized name plate. Badges have the option of a pin or magnet attachment.

For more information about this project or to order your badge today in time for the convention and outdoor public activities, please contact Michael O'Keefe, KL7MD at 907-351-4038 or via email at:

[mok@gci.net](mailto:mok@gci.net).

When ordering, please indicate your name, Callsign and if you wish to have any additional name plates added. Orders take approximately 10 days for printing and our made locally in Anchorage.



# KL7AA Board Meeting Minutes ~MARCH 2010~

## **AARC Board of Directors Monthly Meeting Hope Community Resources Building Tuesday MARCH 16<sup>th</sup>, 2010**

**Voting Members Present:** Paul Spatzek WL7BF Secretary, John Orella KL7LL 1 Year board, Tom Rutigliano NL7TZ 3 year board, Sean Jensen 1 year board, Heather Hasper KL7SP Vice President, Randy Vallee KL7Z President, Bruce McCormick KL7BM 3 year board, Susan Woods NL7NN 1 year board, Eric McIntosh KL2FM 3 year board, TJ Sheffield, KL7TS 1 year board, Jim Wiley KL7CC 1 year board/VE coordinator.

**Voting Members Excused:** Pat Wilke WL7JA 1 year board, Calex Gonzalez KL2BT Treasurer.

**Non-voting Members Present:** Fred Erickson KL2FE Membership Chairman, Keith Clark KL7MM Trustee,

**Visitors Present:** Rich Gillin AL4S, Allen Brier KL5DX

The meeting was called to order by Randy Vallee at 7pm and a quorum was established.

Visitors were greeted

No visitor forum was needed

### **Reports:**

Secretary's report was approved after minor corrections. Sean Jensen moved and John Orella seconded.

Treasurer's Report our total revenue from gaming was 105,272 for the year. Moved to approve by Paul Spatzek and seconded by Tom Rutigliano.

VE: report Up to date and current

Trustee: nothing to report

Membership: reporting 58 non renewed members at this time.

Activities manager: TJ not present nothing to report.

### **Old Business:**

Finance Committee Report: Paul Spatzek motioned for approval and Heather seconded.

By-Laws Committee Report: John Orella motioned for approval and Eric McIntosh seconded.

Projects Committee: TJ gave a good presentation on the status of pending projects and the renewing of projects that were "postponed" Upshot of all the discussion was that it was decided to ask the membership to approve \$5,000.00 to fund both currently operating and postponed projects. Paul Spatzek motioned and Bruce McCormick seconded.

Title 21: The ordinance is still moving through the committee process and TJ is tracking the progress.

### **New Business:**

ARES: Mike spoke about the major exercise coming on March 20<sup>th</sup> and April 26<sup>th</sup> and 27<sup>th</sup>.

Heather Hasper, KL7SP broke the news of her departure from Alaska at this time due to employment reasons and asked to resign from the board, effective immediately. John Orella has stepped up to serve the remainder of her term. Bruce motioned and Mike seconded.

Tom Rutigliano asked to be excused for the next three months as he will be travelling with family.

Meeting was adjourned

Respectfully submitted,

Paul Spatzek, WL7BF  
AARC Secretary



**Are you an  
ARRL Member...  
Life Member?**

**[www.arrl.org/benefits](http://www.arrl.org/benefits)**



# May 2010



ARES DISTRICT 7 & 5  
KL7AA & KL7JFU

Anchorage Amateur Radio Club  
PO BOX 101987

Anchorage, AK 99510-1987

[www.aresalsaska.org](http://www.aresalsaska.org)

[www.KL7AA.net](http://www.KL7AA.net)

**ARES NET: Thursday Nights 8:00 PM 147.27+ PL:103.5  
or 443.30+ PL 103.5**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<i>Parka, meets at Peggy's restaurant, 11AM</i> <i>Contact: Lil Marvin NL7DL, 277-6741</i> <i>EARS: R1 North, Third Saturday of each month.</i> <i>Contact: Ron Keech: KL7YK@arrl.net</i>				<b>HAPPY SPRING</b>		1
2	3	4 <b>VE Testing</b>	5	6 	7 AARC General Meeting 7PM	8 <b>VE Testing</b>
9	10	11	12	13 	14	15 EARS 3PM 
16 <b>GOLD NUGGET Triathlon</b>	17	18 AARC Board Meeting 7PM	19	20 	21	22
23	24	25	26	27 	28 MARA Meeting 7PM 	29 <b>VE Testing</b>
30	31					



**5/16**  
**GOLD NUGGET TRIATHLON 2010**  
Contact: Kathleen O'Keefe, KL7KO  
243-4675



**ARES NETS:**  
1st Thursday: HT / Portable  
2nd Thursday: Mobile Madness  
3rd Thursday: RED CROSS  
4th Thursday: Emergency Power





# AMATEUR RADIO EMERGENCY SERVICES

## PUBLIC SERVICE ACTIVITIES:

Summer is here. With that there are plenty of races and summer ham radio activities to participate in.

### MAY

May starts off on 5/1 with Walk for Hope an event that ham radio has supported for more than 30 years.



Next up in MAY is the all women's Gold Nugget Triathlon on 5/16.

To volunteer contact Kathy O'Keefe, KL7KO at 243-4675 or email: kok@woodscross.net

Then on the 29 of MAY is Military Appreciation Day. Contact Ron Keech, KL7YK, KL7YK@arrrl.net for more information.

Then in JUNE we have the annual Mayor's Marathon on the longest weekend of the year.



Mayor's  
Midnight Sun  
Marathon

For more information or to volunteer contact

John Lynn, KL7CY. kl7cy@arrrl.net

Finally there is FIELD DAY 2010 to round out the first 6 months of 2010. If you are interested in participating in the KL7AA field day events please contact TJ Sheffield, KL7TS (kl7ts@hotmail.com) or Trustee Keith Clark, KL7MM (trustee@kl7aa.net) for more information.



## 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.



<http://training.fema.gov/>

The ARRL Certification and Continuing Education Program, was approved by the ARRL Board in January 2000. Volunteers from all over the country assisted in pulling together information for the course. Because the topic of emergency communications is so diversified and so much information is available, the material is broken into three levels: Introductory, Intermediate and Advanced Emergency Communications (Levels I, II and III). Each on-line course has been developed in segments -- learning units with objectives, informative text, student activities, and quizzes. Courses are interactive and include direct communications with a Mentor/Instructor and other students. Check out: <http://www.arrrl.org/ccel/> for more information.

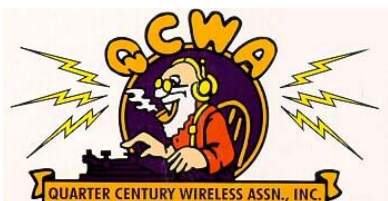
ARES South Central Alaska District  
Contact Information  
Don Bush, KL7JFT@arrrl.net






## Data You Can Use:

Freq	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	KB8JXX	IRLP	Anchorage
146.76 -	123.0	KL3K	IRLP	Seward
146.94 -	103.5	KL7AA	Phone patch	Anchorage to Wasilla
224.94 -	no tone	KL7AA	Phone Patch	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	Phone patch	Mat Valley
146.91 -	no tone	KL7JL		Homer
147.15 +	107.2	NL7J	Phone patch	Eagle River & Chugiak
<b>147.33 +</b>	<b>103.5</b>	<b>WL7CVF</b>	Cross linked to 443.900	Very Wide Area **
<b>443.900 +</b>	<b>103.5</b>	<b>WL7CVF</b>	Cross linked to 147.330	Very Wide Area **
<b>147.27 +</b>	<b>103.5</b>	<b>WL7CVG</b>	Cross linked to 443.300	Very Wide Area *
<b>443.300 +</b>	<b>103.5</b>	<b>WL7CVG</b>	Cross linked to 147.27	Very Wide Area*



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.**

## 2010 Board of Directors

<b>President</b>	Randy Vallee	KL7Z	president at kl7aa.net
<b>Vice President</b>	John Orella	KL7LL	vicepresident at kl7aa.net
<b>Secretary</b>	Paul Spatzek	WL7BF	secretary at kl7aa.net
<b>Treasurer</b>	Calex Gonzalez	KL2BT	treasurer at kl7aa.net
<b>Activities Chairman</b>	TJ Tombleson	KB8JXX	activities at kl7aa.net
<b>Trustee</b>	Keith Clark	KL7MM	trustee at kl7aa.net
<b>Membership Chairman:</b>	Fred Erickson	KL7FE	membership at kl7aa.net
<b>News Letter Editor</b>	Heather Hasper	KL7SP	editor at kl7aa.net
<b>Three Year Board Members</b>			
3rd Year	Eric McIntosh	KL2FM	<a href="mailto:KL2FM@arrl.net">KL2FM@arrl.net</a>
2nd Year	Bruce McCormick	KL7BM	<a href="mailto:KL7BM@arrl.net">KL7BM@arrl.net</a>
1st Year	Tom Rutigliano	NL7TZ	<a href="mailto:NL7TZ@arrl.net">NL7TZ@arrl.net</a>
<b>One Year Board Members</b>			
	TJ Sheffield	KL7TS	<a href="mailto:KL7TS@arrl.net">KL7TS@arrl.net</a>
	Michael O'Keefe	KL7MD	<a href="mailto:KL7MD@arrl.net">KL7MD@arrl.net</a>
	VACANT		
	Susan Woods	NL7NN	<a href="mailto:NL7NN4606@yahoo.com">NL7NN4606@yahoo.com</a>
	Pat Wilke	WL7JA	<a href="mailto:w7ja@clearwire.net">w7ja@clearwire.net</a>
	Sean Jensen	KL2CO	<a href="mailto:KL2CO@arrl.net">KL2CO@arrl.net</a>
	Hugh McLaughlin	KL7HM	<a href="mailto:KL7HM@arrl.net">KL7HM@arrl.net</a>
	Kathleen O'Keefe	KL7KO	<a href="mailto:kok@woodscross.net">kok at woodscross.net</a>

## South Central Area Simplex Frequencies

146.52 MHz	Calling and Emergency frequency	
147.57 MHz	National DX Calling / Coordinating frequency	
146.49 MHz	Anchorage area simplex chat	
146.43 MHz	Mat-Su Valley simplex chat	
147.42 MHz	Peninsula simplex chat	
447.57 MHz	DX Calling / Coordinating frequency	
<u>WINLINK</u>	<u>Callsign</u>	<u>Frequency</u>
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

## Nets in Alaska:

### VHF

**ARES Net:** 147.27/87 103.5Hz - Thursdays at 8:00 PM local  
**No Name Net:** 146.85/.25 repeater Sundays 8:00 PM  
**Big City Simplex Net:** 146.520, 446.0, 52.320 FM, 29.6 FM, 28.400 USB With Packet 145.01 and 147.96, Tuesdays 8:00 PM local  
**Grandson of SSB Net:** 144.20 USB Mondays 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 8PM local  
**ALASKA ARES Statewide ARES NET:**  
 IRLP Alaska Reflector (9070) Thursdays at 830PM Local  
**Alaska Morning Net:** 145.15(-) PL123.0Hz; Daily at 9:00 AM

### HF

- ⇒ **Alaska Sniper's Net:** 3.920 MHz 6:00 PM daily
- ⇒ **Alaska Bush Net:** 7.093 MHz 8:00 PM daily
- ⇒ **Alaska Motley Net:** 3.933 MHz 9:00 PM daily
- ⇒ **ACWN (Alaska CW Net)** 3540 kHz 7042 kHz 14050 kHz Non-directed, CW calling and traffic watch For relaying NTS or other written traffic AL7N monitors continuously. Receivers always on WL2K RMS connection available (AL7N@winlink.org)
- ⇒ **Alaska Pacific Net:**  
14.292 MHz 8:30 AM M-F
- ⇒ **ERC HF Net:** 3.880 MHz – Sunday 8:30PM



## Internet Links, the favorites from our readers:

AARC <http://www.KL7AA.net>  
SCRC <http://www.KL7G.org>  
EARS <http://www.kl7air.us>  
MARA <http://www.kl7jfu.com>  
Moose Horn ARC <http://www.moosehornarc.com>  
PARKA <http://www.parka-kl7ion.com>  
ARES <http://www.aresalaska.org>  
Practice Exams : <http://www.AA9PW.com>  
Fairbanks AARC: <http://www.kl7kc.com/>  
ALASKA MARS: <http://www.akmars.org>  
Alaska VHF-Up Group: <http://www.kl7uw.com/avg.htm>  
B  thel Amateur Radio Klub: <http://www.al7yk.org/>  
Yukon Amateur Radio Association:  
<http://www.yara.ca/>

### Links for Propagation

<http://www.haarp.alaska.edu/>

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](mailto:editor@kl7aa.net)

### Regular HAM Gatherings:

**Tuesday Lunch, 11:30 AM:** Denny's on Denali behind Sears. Several old timers show for this and have lots of stories to share about amateur radio in Alaska.

**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 **Peggy's Restaurant at the corner of Concrete Avenue and 5th Avenue across from Merrill Field.** Great Fun.

**Friday Lunch: Kenai Peninsula:** Members of the Moosehorn ARC get together at one of the local Soldotna-Kenai area restaurants that change every week.  
**Call on 146.88-repeater for location.**

### Who Do I Contact to Join AARC

Fred Erickson KL7FE

12531 Alpine Dr

Anchorage, AK 99516-3121

E-mail: [membership \(at\) kl7aa.net](mailto:membership(at)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.

Ask about Life Memberships



## MONTHLY 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 147.27+ repeater.

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

**VE License Exam 6:30 PM**, at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 338-0662.

**1<sup>st</sup> Thursday each month: Moosehorn Amateur Radio Club General meeting - 7:00 PM** location changes monthly so call on 146.88-repeater for info. Contact George Van Lone, KL7AN: [:donnavl@acsalaska.net](mailto:donnavl@acsalaska.net)

**2<sup>nd</sup> Saturday each month: PARKA Meeting at 11:00 AM.** Polar Amateur Radio Klub of Alaska. All amateurs welcome. Denny's on Denali Street in Anchorage. Talk in on 147.30+.

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

**VE License Exams at 2:00 PM.** at Hope Cottage 540 W. International. Be sure to bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 338-0662.

**3<sup>rd</sup> Saturday of each Quarter month: EARS general meeting at 3:00 PM.** EARS meetings are held formally each Quarter during the first month: Jan, April, July, and October. Meetings are held informally each month at R1 North. Contact info - PO Box 6079, Elmendorf AFB 99506 or email Ron Keech, KL7YK for information. EARS: 552-2664 (recording); Talk in on 146.67-. Email: [KL7AIR@arrl.net](mailto:KL7AIR@arrl.net) or [KL7YK@arrl.net](mailto:KL7YK@arrl.net)

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

**4<sup>th</sup> Saturday of each month: Valley VE Testing at 7PM.** 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.

**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 Tim Comfort, NL7SK, [NL7SK at arrl.net](mailto:NL7SK@arrl.net).

### AARC web page & Email contact addresses:

**Homepage:** <http://www.KL7AA.net/>

**Webmaster:** [webmaster at kl7aa.net](mailto:webmaster@kl7aa.net)

**Membership:** [membership at kl7aa.net](mailto:membership@kl7aa.net)

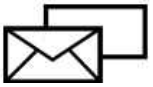
**Newsletter:** [editor at kl7aa.net](mailto:editor@kl7aa.net)

## 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 operations. The station is fully integrated with a PC and soundcard to operate in many digital modes. There are weekly contests to participate in even if just helping Hams all over the world gain points and multipliers to win awards.

Your club station is quite capable and has great ears. Club operators have made many QSO's with all modes on all continents. Recent activities have seen SSTV QSO with New Zealand, hearing a Fallujah Iraq operator on PSK, a 15 meter contact to Peru during the CQ WW Phone contest. Common contacts are made with the lower 48 states and Caribbean, Canada, Japan, Korea, Taiwan, China, Russia and islands in the Pacific.

Take advantage of this unique benefit! Arrange a session by contacting the club trustee, Keith Clark, KL7MM to meet at the KL7AA station on Rowan Street.



## *KL7AA Mail Reflector*

If you like to **stay in touch on KL7AA news** and other posts of local interest.

Step #1: First point your browser to:  
<http://mailman.qth.net/mailman/listinfo/kl7aa>

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

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

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

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

## 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.**

### **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. **KL7AA** is an ARRL affiliated club with more than 50 years. Consider becoming a member of ARRL today.

**For more information about the ARRL DXCC Program check out:** <http://www.arrl.org/awards/dxcc/>

+ = + = + = + = + = + = + = + = +

**News Letter Submissions, Information or corrections:** Submissions must be received 2 weeks before meeting Email: [editor@kl7aa.net](mailto:editor@kl7aa.net)  
Mail: PO BOX 101987, Anchorage, AK 99510-1987

+ = + = + = + = + = + = + = + = +

**News Letter 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 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. Email: [editor at kl7aa.net](mailto:editor@kl7aa.net)

**The MODULATION TIMES** is the monthly newsletter of the Anchorage Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyright 2008 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 both the author and Anchorage Amateur Radio Club are credited.





# FOR SALE

# FOR SALE

HAM RADIO GEAR

## SteppR

4 element SteppR, with 6 meter elements,

140' of control cable. Not working again this winter. Extended warranty good through October 2010. As is where is. On top of 80' guyed tower. \$1,200. Price will go up if I take it down this summer.

KL7GS 376-3865



### HAM OPERATOR LEAVING ALASKA: ENTIRE STATION for SALE!

- ⇒ Kenwood TS 950 SD - HF Radio
- ⇒ SP 940 - Speaker
- ⇒ Kenwood TM 721 - 2m/70cm Radio
- ⇒ MC-85 - Microphone
- ⇒ Kenwood TM-261 - 2m Radio
- ⇒ Kenwood TR-7800 - 2m Radio (for packet)
- ⇒ Kenwood TS-50 - HF Radio
- ⇒ Kenwood SW-2000 - Meter
- ⇒ MFJ Versa Tuner V - Antenna Tuner
- ⇒ MFJ Model - 422B Keyer
- ⇒ Astron RS 50 M - 50 A Power supply
- ⇒ Astron RS 35 A - 35 A Power Supply
- ⇒ Icom IC 25A - 2m Radio
- ⇒ HeathKit SB221 - 2kw Amp
- ⇒ Packrat PK232
- ⇒ Ham IV Rotor and Control
- ⇒ TH5 HF Antenna (5 element - 3 band)



There is still lots more a lot of which will be available at the MARA HAMFEST on MAY 8.

Any interest please call Micheal O'Keefe, KL7MD at 351-4038 or by email and make an offer.

Slow Scan TV Transmitter, with Power Supply & Hub. \$50 or best offer. For more information or to see equipment contact KL7MD@arrl.net 351-4038.



1. **ICOM ICR7000..... \$550.00**  
Description: 25 - 1000/ 1025 - 2000 MHz multimode communications receiver with 99 memory channels. Operator's manual and service manual
2. **Yaesu FT-530, .....\$250.00**  
FNB-26S AND FNB-26, MH-29A2B. 2M, 70CM (LCD Display mic with remote functions), VINYL CASE, NC-42 QUICK CHARGER
3. **Brand new Simpson 260-8 volt-ohm meter \$200.00**
4. **SGC SG-2000, no microphone \$750.00**  
This is an extremely high quality 150 watt HF SSB, CW and AM Transceiver for Marine or Ham use
5. **SGC SG-230 smart tuner \$450.00**
6. **ICOM R3 Wideband Receiver, CP-18 Cigarette lighter adapter with filter \$300.00**
7. **Alden 9315 HF (Radio) Weather Fax.....\$30.00**
8. **Motorola MICOR Base radio 25-20 MHz.....\$30.00**
9. **AVMap G4T GPS ..... \$300.00**
10. **(3 each) Fluke Y8101A Clamp on AC current probe.....\$35.00**
11. **Garmin GPS 45 ..... \$25.00**
12. **(2 each) Garmin GPS Antenna.....\$20.00**
13. **BIRD 4410A Wattmeter, 2 slug w/case.....\$650.00**

### CONTACT:

NL7TZ, TOM RUTIGLIANO, 376-2857 anytime  
or via EMAIL: NL7TZ@arrl.net



# AMATEUR RADIO



## THE MODULATION TIMES

Anchorage Amateur Radio Club, Inc  
Post Office Box 101987  
Anchorage, Alaska 99510-1987  
[www.kl7aa.net](http://www.kl7aa.net)

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



*ARRL Affiliated  
Club for more  
than 50 years*

AMATEUR RADIO

QST, QST, QST!

## The MODULATION TIMES

will no longer be sent out by US MAIL!

In an effort to control club cost and to continue to modernize our resources, the board of AARC has decided that as of 5/31/2010 all future newsletters will be in ELECTRONIC format only. If you have special needs or concerns please send your comments to [editor@kl7aa.net](mailto:editor@kl7aa.net) to bring to the attention of the board of AARC. MAY 2010 will be the last month HARDCOPY will be mailed to members of the club. Current and newsletters from years past can be found on the club website at [www.KL7AA.net](http://www.KL7AA.net)