

# Anchorage Amateur Radio Club

Next Meeting June 1<sup>st</sup>, 7:00 PM



## JUNE PROGRAM

The recovery of several WWII airplanes from the Greenland ice cap. The group of 6 P38 twin engine fighters and 2 B17 bombers made an emergency landing on the ice cap while on a ferry flight from the US to England in the summer of 1942. A presentation about the Greenland Aircraft recovery by Gordon Scott will be our June program.

## TOWER INSTALLATIONS & RIGGING

### A Sign of Summer in Alaska

What would be summer in Alaska or in Ham Radio without tower and antenna projects. Purchasing a tower and antenna system can be a very intimidating process. However, good planning and preparation can make it easy with a variety of tower packages which include most everything required to install a complete setup. When deciding which tower is best for you, consider your unique needs.

Towers are designed to meet minimum design requirements such as the maximum anticipated wind speed and other typical loading requirements. But, when faced with a crisis, will your tower survive the unexpected?

The loss or slippage of a guy wire during construction or maintenance is unexpected and often not considered in a tower design. Intense, localized gin pole forces during tower erection or antenna changes are generally ignored. The detrimental effect of radial ice accumulation in conjunction with high wind speed is the most prevalent yet unexpected cause of tower failures.

Ask yourself these questions...

### What type of antennas would you like your tower to support?

The larger the antenna, the stronger the tower must be. Check the wind load rating for your antenna, and compare it with the tower. Make sure that the tower is rated at wind loads of 87 mph or greater. Most manufacturers sell towers rated at only 50 mph. However, no location in the country is rated below 70 mph.

There are three primary ways to erect a self supporting Tower. Below, we'll discuss each of them briefly.

**Crane** - This is by far the most preferred way of erecting a tower of this size, as 100' mobile cranes are readily available at a reasonable cost. Each of the 'AN Series' Towers has had it's section joints specially engineered to be able to be lifted into place from a horizontal position, with the pulling point being at the tower's top. We have included heavy 7" x 3/16" splice plates on both sides of each leg joint (12 plates per section) coupled with 8 bolts per leg connection (24 bolts per section) forming extremely strong section joints along the tower. Done in this way, a tower may be lifted onto it's base sub-section which has previously been set in concrete, and bolted in place. Total crane operating time is often under 1 hour for this procedure if the tower is bolted together and ready to be lifted.

**Gin Pole** - We do also have available Gin Poles for erection purposes for all towers. Because of the weight of the lower tower sections (nearly 300 pounds for section 1) this method requires a Gin Pole of higher strength than lighter duty models sold by other manufacturers for other towers. Previous experience with using a Gin Pole should be gained before attempting this operation with such heavy tower sections, as in the 'AN Series' sections 1 through 4.

**Piece by Piece** - This is by far the most time consuming way to erect a tower, however it is an option for the owner who doesn't have room for a crane, and who has no Gin Pole. This method involves having your tower in pieces with all structural members unbolted, and then building the tower in the air as it is climbed, one leg at a time, and one diagonal brace at a time. This method is about as fun as washing dishes, but the only tool that is needed is an adjustable wrench used for the 2 different bolt sizes that come with all 'AN Series' Towers

All items attached to the tower must be checked for tightness and bolts must be replaced as necessary. Devices that carry RF or rely on metal-to-metal contact on the tower should be examined and contact surfaces should be cleaned and secured as needed.

### **Its not just about the tower!**

It is extremely important to check guy insulators at the tower attachment points. Any cracked or broken insulators can cause changes in operating parameters. If operating logs show such indications, and other faults have not shown up, these might be good places to look. In most AM towers, top guy wires shorting to the tower are the most likely to affect base operating resistance. Johnnyballs should be examined using field glasses if possible, and guy wires must be shaken while operating parameters are checked for indications of undesired contact.

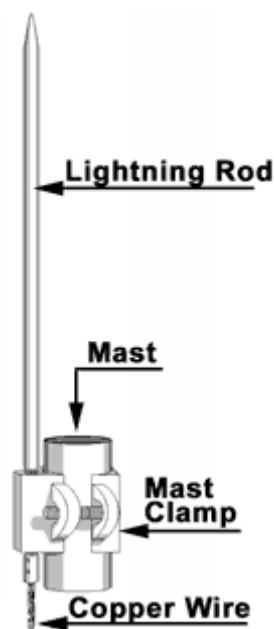
Guy wire greasing seems to be somewhat neglected these days except for tall towers. It is worth considering this operation when performing tower maintenance. Over the years, guy wires do rust and are not often examined for tensile strength. How often does the average station check the guy tensions? How often is the tower itself checked for perpendicularity?

Turnbuckles must be checked for security and the presence of locking wires. While looking at guy anchors and turnbuckles, anchor base conditions must be examined. Over the years, a leaning tower or over tightened guy can loosen guy anchors. Concrete also deteriorates over the years, and anchors must be examined for cracking and failure to hold.

The tower structure itself must be checked for loose and missing bolts for clean and good electrical contact between leg sections. Welds should be checked on welded towers. Every tower should have good continuity between leg sections to minimize lightning damage. If electrical bonding has been used, each bond must be present or restored so that  $I^2R$  losses do not increase.

The weight of the tower, guys and insulators, lighting and any other antennas and transmission lines all rest on the base. A grounded tower is simpler to work with, but the need for secure foundations is just as great. The tower base is connected to the ground system by the usual four-inch copper straps, and the slant wire, if used, is located at a convenient place up the tower.

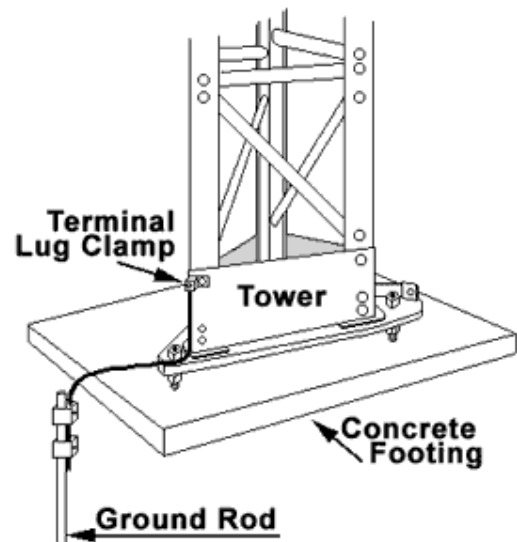
A grounded folded unipole antenna must have its rather complicated installation examined very carefully. The connections from the skirt cables to the tower are vital and must be very se-



cure. The same *caveat* goes for the shorting stub from the skirt wires to the tower as well as all the ring connections at the base of the skirt. The tower lighting neutral grounding connection is especially important when using a folded unipole.

### **You may have a mechanical ground, but do you have an electrical ground?**

The lightning rod is clamped to the highest point on the mast. The ground wire is connected to the lightning rod and should be one continuous piece all the way to the earth ground rod. A small loop is left just above the thrust bearing to allow the mast to rotate. If you cannot use a lightning rod point because of the antenna, tape or wire tie the ground wire to the mast as far up as practical. This will provide some lightning protection to other components such as rotators, antennas, etc. When using a Hazer, the ground wire runs down the messenger line, and into the ground rod system. This can provide the electrical ground required for long wire antennas. With rooftop towers, the ground wire should run from the tip of the mast, be connected to the tower, and then run all the way to the ground. Grounding the tower cannot be over stressed. Local or national codes should be complied with. The head of the ground rod should be driven at least 6 inches below ground level and the ground wire should be attached with two GR-4400 ground rod clamps. Ground your system to achieve a goal of 25 ohms or less ground resistance. Additional ground rods may be necessary to accomplish this. The ground cable, 4 AWG by 19 strand bare copper is very flexible and is ordered separately. It is advisable to consult with an experienced lightning professional for installation. The tower footing has to be examined and the state of the concrete verified together with the four-inch copper strap that should be mounted on the four sides of the base between the lower part of the insulator and the ground system.



# KL7AA Club Business

## Board Meeting Minutes

ANCHORAGE AMATEUR RADIO CLUB

BOARD MEETING

May 15, 2007

540 WEST INTERNATIONAL ROAD

Anchorage, AK

(UNAPPROVED at Printing)

The meeting was called to order at 7:00 PM by President Kathleen O'Keefe

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

### **BOARD MEMBERS PRESENT:**

President Kathleen O'Keefe KL7KO, Vice President Jim Larsen AL7FS, Treasurer Heather Hasper KL7SP, Secretary Richard Tweet KL2AZ, Activities Director Richard Kotsch WL7CPX, Paul Spatzek WL7BF, TJ Sheffield KL7TS, Jim Wiley KL7CC, Piet van Weel KL2CR, Diane Olson KL1MY, Frank Pratt KL7RX, Michael O'Keefe KL7MD, Susan Woods NL7NN, John Orella KL7LL, Richard Block KL7RLB, Edward Moses KL1KL.

### **NON-VOTING MEMBERS PRESENT**

Fred Erickson KL7FE

### **EXCUSED**

None

### **UNEXCUSED**

None

### **GUESTS**

T.J. Tombleson KB8JXX, Dale Hummel KL2BO, Bruce McCormick KL7BM.

Dale Hummel indicated that his employer, Clear Channel Radio, was interested in interviewing an AARC Board Member on their Sunday Anchorage Community Magazine show hosted on stations KENI, KGOT, KBFX, KYMG, KASH and KTZN. Contact person is Mik Mitchell whose contact cell phone number was provided to the Board.

### **SECRETARY REPORT**

Previous Board meeting minutes for April were presented. Motion made Michael O'Keefe KL7MD, seconded Diane Olson KL1MY to accept the minutes as printed. Motion carried unanimously.

### **TREASURER'S REPORT**

Heather Hasper presented the Treasurers report for month ending April 2007. The annual gaming report for 2006 has been filed with the State of Alaska and has been accepted. 2006 State of Alaska taxes were \$1610.82. The first quarter 2007 gaming report has also been filed. Heather noted that Alaska USA presented a bill for a previous year's expired insurance policy which she successfully contested. A discussion was held on the various aspects of QuickBooks and the ability to organize accounts into class codes which Heather explained in detail to the group. Another discussion was held concerning the AARC's support for discounted training materials to students. Discussion noted that a purpose of the AARC is to promote amateur radio and providing classes and discounted training materials to members and potential members is a draw and provides value to the process. A suggestion was made to list training materials as a budget line item to be approved by the Board as part of the annual budget. Motion made Paul Spatzek WL7BF, seconded Michael O'Keefe KL7MD, to accept the Treasurers report as given. Motion carried unanimously.

### **VE REPORT**

Jim Wiley reported that we continue to have growing numbers of new ham operators thanks to the no code requirement. A recent testing session was held in Tok which resulted in 4 new hams and 2 upgrades and a recent testing session in Anchorage resulted in 6 new hams and/or upgrades. Jim noted that the Annual VEC conference would be held in July and he would be obtaining the airline ticket in June. Jim thanked the Mat-Su VE's for running the recent Anchorage exam session that he was unavailable for. Discussion was held on Nome and Fairbanks issues with VE testing and the desire of the Fairbanks club to pursue ARRL testing. Jim Larsen has contacted the President of the Fairbanks club to discuss the issues as presented in their newsletter and Board minutes and was referred to the Fairbanks VE Chairman for discussion. Heather Hasper noted that the first VEC session from the 1984 FCC testing session video recorded by Paul Jendryk NL7PJ has been copied to DVD for club records. Online remote testing was discussed. This form of testing is available for Technician testing on the APU server. Jim Wiley continues to request a volunteer(s) to oversee upgrades to the process. AARC has spent \$11k to date on this project with Alaska Pacific University.



## **OLD BUSINESS**

### **NWS MOU:**

Michael O'Keefe reported that packet software needs to be loaded on a NWS desktop computer. Two weather spotter classes have been held to date with approximately 30-35 people trained in the process. The MOU with the NWS is complete and filed with the legal documents.

### **MOU Municipality of Anchorage – EOC:**

Michael O'Keefe reported that the MOU is complete.

### **Flea Market 2007 September 15<sup>th</sup>, 2007**

Heather Hasper reported that HRO Portland has confirmed attendance and cargo issues are being worked now. The Anchorage Senior Center location has been confirmed. The event is recommended to be 1 day in length without a banquet following. Heather will provide a suggested list of raffle prizes. A discussion was held regarding the possibility of holding a raffle for a grand prize drawing at this event. Raffle ticket sales are being handled by Diane Olson and Kathleen O'Keefe will be taking admission and table fees at the door. A discussion was held regarding the possibility of holding a banquet. Discussion noted the expense, historical turnout numbers, lack of volunteers to put the event together, work required to secure the venue, obtain and provide tickets, awards, door prizes, rental cars, invitations, and guests as well as time commitment involved. Michael O'Keefe suggested that a banquet be held every two or three years.

### **HAMFEST 2008:**

Heather Hasper gave a detailed presentation on work to date in preparation for this event as well as a draft budget for the event. Numerous Alaska radio clubs have expressed an interest in making this a combined radio club event. Heather provided detailed results of the Hamfest survey to which there were 483 responses. The Anchorage Convention and Visitors Bureau has been very supportive of this event and have sent approximately 300 information packets to the Superfest and 700 to the Dayton event. ARRL has expressed an interest in joint venturing this event with the Northwest Division Conference which could provide event sponsorship and possible budget assistance. Heather is also working the possibility of having a NASA astronaut be a guest speaker at the Hamfest. Two lodging facilities owned by local hams have committed to room availability during the event of 50-100 rooms. Initial funding for a deposit to secure an open venue is needed soon, with general membership approval, as several locations are currently available.

Motion made Jim Wiley KL7CC, seconded Paul Spatzek WL7BF to allocate \$10,000.00 for the purpose of securing a venue to be used for the 2008 convention, with the understanding that the amount would be refundable with proper notification. Discussion on the motion included a concern of the sample budget, this could commit the Board to \$30k-\$50k in expenses, this commits the Board to a significant amount of man-hours. The question was called and the motion passed with 1 nay vote.

### **Packet Project**

Paul Spatzek reported that he hoped to have the CCV packet station operation by the coming weekend.

### **Real Estate Purchase**

Jim Larsen reported that he has been in discussion with Jerry Dewhurst regarding a potential property with the asking price of \$750,000.00.

### **Rowan CCV Garage Lease**

Jim Larsen reported that the Rowan CCV garage lease increase for the increased square footage is an additional \$694.00 per month. This increase over the original cost of \$1206.00 per month totals \$1900.00 per month in lease expense for the AARC. Jim has talked to John Hubner and will get copies of the amended lease to the President, Kathleen O'Keefe, for final signatures. Motion made Jim Larsen AL7FS, seconded Diane Olson KL1MY to authorize up to \$800 for the purpose of extending the alarm system in to the new sections of the lease area. Motion carried unanimously.

### **State Fair**

We still need to find a new champion to lead volunteers and coordinate our State Fair activities. Jim Larsen is unable to coordinate this event this year due to prior commitments, but is willing to guide an individual willing to take this project on. \$1000.00 has already been expended towards this and is subject to being forfeited if AARC chooses not to participate. This will be brought forward at the June membership meeting.

### **Field Day**

T.J. Sheffield reported that John Lynn KL7CY has been in contact with the Municipality of Anchorage and the Anchorage School District to finalize the AARC's location at Romig Jr. High School for Field Day. John hopes to secure the South portion of the soccer field, west of the running track. Volunteers are still needed for this event. Pat Wilke WL7JA has volunteered to do the RDF station. Volunteers with vehicles with tow capability are needed as well as CCV drivers.

## **NEW BUSINESS**

### **Program for June Membership Meeting**

Richard Kotsch reported that Mr. Treadwell will be in Barrow and unavailable for the June meeting, but will speak at the September meeting. Richard has been unable to secure a commitment from Mr. Gordon Scott to speak on the Greenland WWII aircraft recovery expedition in June and may ask Dan O'barr to speak on LEO Satellites.

### **Approvals, KL7AA in the next month**

Approval was given for Field Day, the Mayors Marathon and the Gold Nugget Triathlon. T.J. Sheffield noted that Trustee, Keith Clark is on vacation and would be notified of the approvals via email.

### **Grants**

None

### **ARES Classes**

Michael O'Keefe reported that the May 19<sup>th</sup> ARES class to be held at Alaska Pacific University would be on knot tying, guying and rigging.

### **CCV Tower**

Michael O'Keefe noted that the AARC had previously approved up to \$4800.00 to mount the tower at the CCV garage. Michael noted that he is willing to obtain the required material from Frigid North with Bruce McCormick's assistance. The tower would be mounted to extend approximately 12 feet above the roof. T.J. Sheffield requested that the Rohn catalog be consulted for support requirements. As the previously approved monies had not been utilized and was retracted, a new motion by Diane Olson KL1MY, seconded Susan Woods NL7NN to authorize up to \$5000.00 to put up an antenna project at the CCV garage. Discussion on the motion noted this does not affect the lease and may be removed at any time. Motion carried unanimously.

### **Newsline**

Paul Spatzek noted that AARC had donated \$1500.00 to support Amateur Radio Newsline in 2006. This support was mentioned during a broadcast where the AARC was thanked for support. Total income by Newsline in 2006 as reported by their IRS statement was \$8846.00. Motion was made Paul Spatzek WL7BF, seconded Diane Olson KL1MY to donate \$2000.00 for the continued support of Amateur Radio Newsline. Motion carried unanimously.

## **General Discussion**

None

Motion made Diane Olson KL1MY, seconded Richard Tweet KL2AZ, that the meeting be adjourned. Motion passed unanimously. Meeting adjourned at 9:20PM.

Respectfully submitted as recorded on 5/15/07 by:  
Richard Tweet, Secretary



## **Help Make Field Day a Success!**

You may have noticed a call-sign or two associated with some of the Bonus Point categories. It means that operator has agreed to become a "Station Captain" for that activity. Those are the individuals who will make sure that aspect of Field Day happens!

As Station Captain you will learn a specific aspect of our emergency communications response capability and will soon be able to teach others.

Station Captains are fully supported by experienced personnel assigned to your team – we won't let you fail! Please consider volunteering for Field Day and becoming a Station Captain.

Field Day Co-Chairmen  
Keith Clark, KL7MM  
TJ Sheffield, KL7TS

**It's up to us to make it happen!**





# FIELD DAY 2007

**WHEN:** JUNE 23rd & 24th, 2007

**WHERE:** Romig Jr. High School  
(in conjunction with Mayor's Marathon)

## FIELD DAY 2007

What is so rare as a day in June?

How about an entire weekend filled with amateur radio activity?

The last full weekend in June provides an opportunity for us to showcase the capabilities of the Amateur Radio Service.

At Field Day we'll have a chance to demonstrate these resources to the public, elected officials, served agencies and other amateur radio operators world-wide.

### When and Where?

This year Field Day takes place in conjunction with the Mayor's Midnight Sun Marathon.

Just like the last time these two events took place on the same weekend, we'll be setting up behind West High School (adjacent to Romig Junior High).

Set-up begins Friday evening, 22 June 2007, at approximately 1600 hrs.

The event officially kicks-off at 10:00AM Saturday with continuous operation for the next 24 hours.

Talk-in on Friday and Sunday (while we're driving) will be on the Grubstake repeater, 147.330, plus shift (+) and a 103.5 Hz tone.

After set-up we'll move to the KL7G portable repeater on 449.650, minus (-) with no tone, for the remainder of the weekend.

Although Kincaid Park is "electrically quiet" and

we've been there for the past several years, the Park is OUT this year because of road construction. The contractor is working mostly nightshifts and they don't want anybody moving around during construction.



### Our Approach

What is the real purpose behind Field Day? For the past four years, Field Day Co-Chairmen Keith Clark, KL7MM and TJ Sheffield, KL7TS have taken a hard look at this question.

We believe that in addition to food, fun and camaraderie, there is a serious side to Field Day.

This event provides an opportunity to design and test enhancements to our communications systems, develop operator skills, continue relationships with served agencies and showcase our capabilities to elected officials and the general public.

Our national association for Amateur Radio, the ARRL, sponsors Field Day and encourages us along



# FIELD DAY 2007 cont.

This makes sense to us, because in a real emergency, extending our operating time by conserving batteries and fuel would be a critical factor in our success.

However, to be heard by Lower 48 stations we choose to run the full legal limit of 1,500 watts, powered by diesel generators.

Other clubs choose to run lower power levels (150 watts or less) and pick up the power multipliers.

CW (Morse code) and Digital QSO's are worth twice as much as SSB (voice) contacts because of their efficient use of bandwidth. These signals simply get through better. The ARRL encourages us to operate these modes by assigning higher point values to the contacts.

## **Bonus Points**

Another way the ARRL encourages us to expand our capabilities and showcase our operating skill is by offering Bonus Points. Many Bonus Point categories have a solid basis in emergency communications preparedness.

## **What's the Point?**

Going after Bonus Points can help improve or expand our communications capability, develop operator skills and showcase amateur radio's unique ability to provide a specialized communications service:

## **Young Operators**

20 points per valid contact initiated by an operator 18 years or younger, for a maximum of 100 points.

The ARRL encourages youth participation and this category offers a method for youngsters to experience the "magic" of radio.

## **Emergency Power**

100 points (each) for putting our SSB and CW stations on the air, using generator power.

This may sound like a "no-brainer" but we get credit for operating off the commercial grid.

**AMATEUR RADIO**

## **W1AW Bulletin**

100 bonus points for copying the special Field Day bulletin transmitted by W1AW (ARRL Headquarters) during its operating schedule.

In an emergency, we may need to gather information from a variety of sources, including the ARRL Headquarters station. The ARRL encourages us to correctly copy CW, SSB or Digital signals from an "official" source.

## **Satellite QSO**

100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period.

In Alaska, we're lucky to have (mostly) unfettered access to many of the low earth orbit (LEO) satellites. This capability could be utilized to support remote "backcountry" communications.

## **Alternative Power – KL7TS**

100 bonus points for Field Day groups making a minimum of five QSO's without using power from commercial mains or petroleum driven generators.

This means an "alternate" energy source of power, such as solar, wind, methane or hydro, and includes batteries charged by natural means (not dry cells).

The ability to operate for an extended period without commercial power or fuel source is a worthy goal for any amateur radio operator.

## **Non-Traditional Mode Demonstration No. 1**

100 points for each demonstration (up to three) for setting up a demonstration of a non-traditional mode of amateur radio communications.

Here is an opportunity to show-and-tell the public and elected officials what unique communications services we can provide.

We'll demonstrate an Automatic Position Reporting System (APRS) tracker on a bicycle mobile, transmitting course, speed and position information to a topographical (topo) map display.

# FIELD DAY 2007 cont.

## **Non-Traditional Mode Demonstration No. 2**

Here we will demonstrate fast-scan (real-time) television. Amateur television (ATV) is the most requested service by governmental and served agencies.

## **Non-Traditional Mode Demonstration No. 3**

Radio direction finding (RDF) demonstrations will highlight our ability to triangulate on a radio signal.

## **Message Origination to Section Manager**

100 bonus points for origination of a National Traffic System (NTS) style formal message (similar to the ones discussed earlier in this month's newsletter) to the ARRL Section Manager or Section Emergency Coordinator by your group from its site.

Traffic handling is a basic skill that every amateur radio operator should possess, but many operators have had no exposure to this time-honored system.

Even seasoned operators are no doubt rusty with these techniques. Up to now the radio club has **NEVER** earned bonus points in this category!

## **Message Handling**

10 points for each formal NTS style message originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages).

Properly serviced copies of each message must be included with the Field Day report.

Traffic handling (see above) is encouraged by the ARRL. Up to now the radio club has **NEVER** earned bonus points in this category!

## **Site Visit by an Elected Official – KL2CR**

A 100-point bonus may be claimed if an elected government official visits your Field Day site as the result of an invitation issued by your group.

Close ties with elected officials will be invaluable in a communications emergency and may even help us with more mundane issues such as antenna tower regulations!

## **Site Visit by a Served Agency**

A 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (Red Cross, Sal-

vation Army, local Emergency Management, law enforcement, etc) as the result of an invitation issued by your group.

Here the ARRL is encouraging us to develop a close working relationship with served agencies to facilitate communications in a real emergency.

## **Media Publicity**

100 bonus points may be earned for attempting to obtain publicity from the local media.

The media can “make-or-break” public opinion with respect to amateur radio. In our community, a good relationship with the media may become very important as zoning and laws change over time.

## **Public Information Table - KL7SP**

100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site.

## **Public Location**

100 bonus points for physically locating the Field Day operation in a public place (shopping center, community park, school campus, etc). The intent is for amateur radio to be on display to the public.

As you see, the Bonus Point categories could challenge any group to improve or expand their radio communications capabilities!

## **Get-On-The-Air (GOTA) Station**

The ARRL encourages us to provide an opportunity for new (or generally inactive) operators to Get On The Air.

Each year the ARRL raises the ante for this aspect of Field Day and each year the club struggles.

We have yet to come up with a viable plan to give a GOTA station a fighting chance but we haven't given up on anything, so stand by for news!





# KL7AA PAST FIELD DAY SCORES

KL7AA Class 2F	Station Captain	Multiplier	2004 QSO's	2005 QSO's	2006 QSO's	2007 QSO's	2004 Points	2005 Points	2006 Points	2007 Points	Prior Delta
SSB Station	---	1	420	201	280		420	201	280		79
CW Station	---	2	260	210	521		520	420	1,042		622
Digital Station	---	2	---	---	---		---	---	---		---
G-O-T-A Station	---	" 3 "	81	4	50		81	4	50		46
Satellite / ISS	KL4YFD		6	2	3		6	2	3		1
Alternative Power	KL7TS		5	26	9		5	26	9		(17)
VHF / UHF	---		2	---	---		2	---	---		---
Infrared Station	KL1MY		---	---	---		---	---	---		---
Weatherport Tent	---		---	---	---		---	---	---		---
Computer Updates	---		---	---	---		---	---	---		---
Subtotal			774	443	863		1,034	653	1,384		731
KL7AA Bonus Points	Station Captain	Description					Bonus Points	Bonus Points	Bonus Points	Bonus Points	Prior Delta
Youth Operators (18 & under)	---	Five youth operators (make one QSO each)					---	100	20		(80)
G-O-T-A Station Bonus	---	20 QSO's per operator + dedicated GOTA coach					---	---	100		100
Visit by Elected Official	KL2CR	Invitation (with follow-on site visit)					---	100	---		(100)
NTS Message to SM / SEC	---	Send one formal message (via NTS)					---	---	---		
NTS Message Traffic	---	Send 10 formal messages (via NTS)					---	---	---		
W1AW Field Day Bulletin	---	Copy HQ bulletin using CW, SSB or digital					---	100	100		
Demonstration - APRS	---	Setup / operate (club owned equipment)					100	100	---		(100)
Demonstration - RDF	WL7JA	Setup / operate (club owned equipment)					---	100	100		
Demonstration - ATV	---	Setup / operate (club owned equipment)					100	100	100		
Media Publicity	---	Secure media publicity (bonafide attempt)					100	100	100		
Visit by Served Agency	---	Invitation (with follow-on site visit)					100	100	100		
Set-up in a Public Place	---	Expand effort to "draw in" visitors?					100	100	100		
Information Table / Visitor's Log	KL7SP	Set-up information table / manage sign-in sheets					100	100	100		
Satellite QSO's	KL4YFD	Make at least one satellite QSO					100	100	100		
Alternative Power QSO's	KL7TS	Make at least 5 QSO's using alternative power					100	100	100		
100% Emergency Power	---	Service generators, route cable to spider boxes					200	200	200		
Submitted via the Web	---	Prepare / submit Field Day package					50	50	50		
Subtotal							1,050	1,450	1,270		(180)
Claimed Total							2,084	2,103	2,654		551
Prior Year Delta							---	+ 1%	+ 26%		

# 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.

## Public Service Events

**MAYOR's MARATHON:** Romig Jr. High  
Every few years, Field Day which occurs annually on the 4th full weekend in June and the Mayor's Marathon which occurs on the weekend closest to the summer solstice, occur on the same weekend. This year, we will be needing as many participants as possible to support both events and provide a great demonstration of amateur radio abilities to both local residents, political leaders and visitors to the city of Anchorage.



To volunteer for the marathon, contact:  
John Lynn, KL7CY, at johnlynn@gci.net



## ARES TRAINING: June 16, 2007

Our training this month will be at the Carr-Gottstein Building at Alaska Pacific University at 9:30. We will be going over how to use the MARK V radios that will be used for Field Day. These radios have a lot of features and the AARC owns two of them. We will also be discussing and demonstrating the APRS equipment we will be using to support communications for the MAYOR's MARATHON race.



## 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.

## ARES District 7 Contact Information

Michael O'Keefe, KL7MD

[DEC7 at alaskaares.org](http://DEC7.at.alaskaares.org)






# June 2007



**Anchorage Amateur Radio Club**  
**PO BOX 101987**  
**Anchorage, AK 99510-1987**  
[www.KL7AA.net](http://www.KL7AA.net)

**ANCHORAGE ARES**  
**DISTRICT 7 & 5**  
**KL7AA & KL7JFU**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<i>QRP club meetings held at the Denny's at Bragaw and DeBarr, Contact Jim Larsen, AL7FS</i> <i>EARS: R1 North, Contact: Ron Keesch: KL7YK@arrl.net</i> <i>Parka, meets at Peggy's restaurant, 11AM Contact: Kathleen O'Keefe, KL7KO, 243-4675</i>					<b>1</b>  <b>AARC Meeting 7PM</b>	<b>2</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>  	<b>8</b>	<b>9 Girl Scouts</b> <i>PARKA meeting 11 AM</i> <i>EARS: 3PM</i> 
<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>  	<b>15</b> <b>QRP Meeting 7PM</b>	<b>16</b>  <b>ARES Training</b> <i>930 - 1200 PM</i>
<b>17</b>	<b>18</b>	<b>19</b> <b>AARC Board Meeting 7PM</b>	<b>20</b> <i>MARA Board Meeting 7PM</i>	<b>21</b>  	<b>22</b>	<b>23 Mayor's Marathon</b> <b>FIELD DAY</b>
<b>24</b>  <b>FIELD DAY</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>  	<b>29</b>  <b>MARA Meeting 7PM</b>	<b>30</b>

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

## Schedule of Events:

### ARES NETS:

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



# Summer is Here!

To add to the Calendar please contact: John Lynn at [Johnlynn@gci.net](mailto:Johnlynn@gci.net)

**6/9 GIRL Scout Jamboree: Palmer Fairgrounds**

Contact: Ray Hollenbeck, KL1IL, [fuzz@mtaonline.net](mailto:fuzz@mtaonline.net)

**6/23 MAYOR'S MARATHON** Contact: John Lynn at [Johnlynn@gci.net](mailto:Johnlynn@gci.net)

**6/23 & 6/24 FIELD DAY**

Contact: TJ Sheffield, KL7TS;  
[kl7ts@hotmail.com](mailto:kl7ts@hotmail.com)







## Data You Can Use:



### 2007 Board of Directors

**President:** Kathleen O'Keefe, KL7KO [president at kl7aa.net](mailto:president@kl7aa.net)

**Vice Pres:** Jim Larsen, AL7FS [vicepresident at kl7aa.net](mailto:vicepresident@kl7aa.net)

**Secretary:** Richard Tweet, KL2AZ [secretary at kl7aa.net](mailto:secretary@kl7aa.net)

**Treasurer:** Heather Hasper, KL7SP [treasurer at kl7aa.net](mailto:treasurer@kl7aa.net)

#### **Activities Chairman:**

Richard Kotsch, WL7CPX [activities at kl7aa.net](mailto:activities@kl7aa.net)

**Trustee:** Keith Clark, KL7MM [trustee at kl7aa.net](mailto:trustee@kl7aa.net)

#### **Membership Chairman:**

Fred Erickson, KL7FE [membership at kl7aa.net](mailto:membership@kl7aa.net)

#### **News Letter Editor:**

Heather Hasper, KL7SP [editor at kl7aa.net](mailto:editor@kl7aa.net)

### Three Year Board Members

Frank Pratt, KL7RX kl7rx at arrl.net (3rd year)

Paul Spatzek, WL7BF Paul.Spatzek at acs.alaska.net (2nd Year)

Michael O'Keefe, KL7MD mok at gci.net (1st Year)

### One Year Board Members

Diane Olson, KL1MY, oldwoman\_69 at hotmail.com

TJ Sheffield - KL7TS, kl7ts at arrl.net

Edward Moses - KL1KL, kl1kl at ak.net

Jim Wiley - KL7CC jwiley at alaska.net

Piet van Weel - KL2CR pmvw at outwardfocus.net

John Orella: KL7LL, kl7ll at arrl.net

Susan Woods: NL7NN, NL7NN4606 at yahoo.com

Richard Block: KL7RLB, kl7rlb at clearwire.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)

### News Letter Submissions, Information or corrections:

Submissions must be received 2 weeks before meeting

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

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 Feb 28, 2007

#### KL7AA: Flattop Mountain 2,200 ft

146.94/34 MHz, 80 watts, auto-patch, 141.3 Hz PL

224.94/223.34, 25 watts, no patch, no PL

444.70/449.70, 25 watts, auto-patch, 103.5 PL

#### WL7CVG: Mount Susitna 4,396 ft

VHF: WL7CVG/R1 147.270/147.870 PL 103.5, no auto-patch

UHF: WL7CVG/R3 443.300/448.300 PL 103.5, no auto-patch

#### WL7CVF: Grubstake: Hatcher Pass 4,536 ft

VHF: WL7CVF/R1 147.330 / 147.930 PL 103.5 Hz (no patch)

UHF: WL7CVF/R3 443.900 / 448.900 PL 103.5 Hz (no patch)

#### KL7ION at Mt. Gordon Lyon: PARKA 3,940 ft

147.30 / 147.90, MHz - 80 watts, no patch, 141.3 Hz PL

KL7AIR Elmendorf AFB: EARS: 146.67/146.07, 107.2 Hz PL

#### KL7CC, Anchorage Hillside. SCRC & QCWA

146.97/.37 MHz, 30 watts, auto-patch, 103.5 Hz PL

#### KL7M Anchorage Hillside

147.21 / 147.81 MHz, on IRLP, 97.4 Hz PL

KL5E Chugiak: 147.15/147.75, 123.0 Hz PL, auto-patch

KL7JFU, KGB road, MARA: 146.85/146.25, auto-patch, no PL

Palmer IRLP: 146.64/.04, simplex patch, no PL

Mile 58.3 Parks Highway IRLP: 147.09/.69 MHz, 97.4 Hz PL

#### KL3K, Girdwood - IRLP

146.76 / 146.16 MHz, 25 watts, no patch, 97.4 Hz PL

KL7AX: South Anchorage IRLP - 146.79/ 146.19 MHz, 100 Hz PL

#### WL7CWE Anchorage IRLP

2 Meter: 146.82/146.22MHz PL 103.5

6 Meter: 51.65 output / 51.15 input, PL 103.5Hz

70 cm: 444.85/449.850 MHz PL: 103.5 Hz (Node 3400)

#### South Central Area Simplex Frequencies

146.52 MHz Calling and Emergency frequency

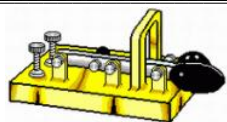
147.57 MHz National DX Calling / Coordinating frequency

146.49 MHz Anchorage area simplex chat

146.43 MHz Mat-Su Valley simplex chat

147.42 MHz Peninsula simplex chat

146.58 MHz Simplex IRLP - Wasilla Lake



### 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)** 3534, 7042 Daily @ 0700 -1000,

Net Purpose: Formal NTS traffic via CW.

**Alaska Pacific Net:** 14.292 MHz 8:00 AM M-F

**ERC HF Net:** 3.880 MHz - Sunday 8:30PM local

## Nets in Alaska:

The following nets are active in South-central Alaska:

### VHF

**ARES Net:** 147.27/87 103.5Hz - Thursdays at 8:00 PM local

**PARKA Net** 147.30/90, 141.3 HZ Thursdays at 7:00 PM local

**No Name Net:** 146.85/.25 repeater Sundays 8:00 PM  
and 1900 - 2400 Alaska Time - AL7N or KL5T monitoring.

**Big City Simplex Net:** 146.520, 446.0, & 52.525 FM

**Grandson of SSB Net:** 144.20 USB Mondays 8:00 PM local

**Statewide LINK ARES Net:**

147.27/87 103.5Hz Sunday 8:00 PM local



## Internet Links, the favorites from our readers:

AARC <http://www.KL7AA.net/>

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/>

ALASKA MARS: <http://www.akmars.org>

Yukon Amateur Radio Association:

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

### Links for Propagation

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

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

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

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)**

### 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.

**Thursdays Brunch, 9:30 AM:** Brunch NW corner of Debarr and Bragaw at Birch Tree Dining. 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 American Diner, at the SE corner of Arctic and International. Great Fun.

### 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.

**SCRC general meeting** has been suspended until further notice. No meetings are scheduled at this time.

**2<sup>nd</sup> Saturday each month: PARKA Meeting at 11:00 AM.** Polar Amateur Radio Klub is the only YL club in Alaska. All amateurs welcome. Peggy's, across from Merrill Field. 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.

**2<sup>nd</sup> Saturday of each month: EARS general meeting at 3:00 PM.** Meetings are held 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@qth.net](mailto:kl7air@qth.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.

**3<sup>rd</sup> Friday each month: Alaska QRP Club meeting 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. Bring projects to share with the group. Hungry QRPers start showing up about 6PM. Info contact Jim Larsen, AL7FS, [JimLarsen2002 at alaska.net](mailto:JimLarsen2002@alaska.net) or 345-3190.

**3<sup>rd</sup> Saturday each month: ARES General meeting 9:30AM to 12:00 PM.** Call Michael O'Keefe, ANC DEC: [dec@kl7aa.net](mailto:dec@kl7aa.net) HM: 243-4675 for additional information. Also check for ARES Info at: <http://www.qsl.net/aresalaska/>

**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).

# ALASKA HAMFEST

## 36th ANNUAL ANCHORAGE HAMFEST

### WHEN:

Saturday, September 15th, 2007  
900 AM - 5:00 PM

### WHERE:

Anchorage Senior Center

### EVENTS Include:

- SPEAKERS
- VE TESTING
- RAFFLE PRIZES

### For More Details:

[www.kl7aa.net/hamfest](http://www.kl7aa.net/hamfest)

In an effort to attract National Vendors to Alaska, a date has been selected for a 2008 statewide HAMFEST. This event involves all radio clubs in Alaska and all amateur operators throughout ALASKA.

The results of a national survey resulted in 483 responses from amateur radio stakeholders. Representatives of the Matanuska Amateur Radio Club, the Anchorage Amateur Radio club have worked hard to promote this event at several national events including the DAYTON HAMVENTION last month.

Thanks to Tom, NL7TZ, Mike Romanello, KL7BK, Heather Hasper, KL7SP, Gordon West, WB6NOA and Pete Trodden with W5YI, for helping to bring this event to the attention of National Vendors and ham operators around the world.

For more information go to:

[www.akhamfest.com](http://www.akhamfest.com)

37th ANNUAL

# ALASKA 2008 HAMFEST

FCC & ARRL  
Guest Speakers



"THE FINAL FRONTIER"

Anchorage, ALASKA 2008

National  
Vendors

August 15th -  
August 18th, 2008

Mark your Calendars.  
Save The Date!



# ALASKA 2007 HAMFEST

With Summer schedules full of amateur radio projects, fishing, flying and all the summer projects that come with living in ALASKA, we are including a list of the 2007 HAM Festival's that we have been able to confirm in ALASKA. This allows all of us to plan on great attendance for these events to support your local amateur radio clubs as well as for anyone wishing to buy or sell used equipment to contact the coordinating club for more information. If you do not see your event listed, please email [editor@kl7aa.net](mailto:editor@kl7aa.net) to be added.

## MOOSEHORN AMATEUR RADIO CLUB

Is honored to announce  
The 3RD Annual  
Kenai Peninsula

## HAMFEST

Saturday, July 14th,  
10 AM to 5 PM.

At The Cook Inlet Academy –  
Private Elementary School  
45827 Kalifornsky Beach Road  
(Milepost 21), Soldotna

\*\*\*NOTE K-beach milepost numbers count  
down from Soldotna\*\*\*

### DIRECTIONS:

Coming from Anchorage on the Sterling Highway you enter into Soldotna down a hill and pass by Fred Meyers on the left and AK USA Credit Union on the right. Stay on the Sterling Hwy straight thru the first couple traffic lights. In a few blocks you will pass by Safeway and McDonald's on your right and go across The Kenai River (road construction at bridge).

Kalifornsky Beach Road is a right turn at the next stop light. Turn right at the light onto Kalifornsky Beach Road and continue for about 3-miles till you reach Cook Inlet Academy on your left - This is the Hamfest location. 500 feet before the Academy look for a sign printed with "HAMFEST" indicating you are near.

Talk-In on the 146.88/28 repeater

\$4 CASH Admission/Door Prizes.

### Grand prize:

**Kenwood TH-K2AT handheld radio.**

### HamFest Swap Meet.

Bring your stuff to sell.

\$10 for selling fee

(which includes \$4 admission for one person).

Table setup 9 to 10 AM.

Cash only for admission and table fee.

### PROGRAM:

- Presentation by Richard Strand KL7RA
- Demo of software defined radio by Ed Cole KL7UW
- Informal Meeting of the Alaska VHF-Up Group

Schedule has not been set up, plus more programs are in the works so check back for updates!

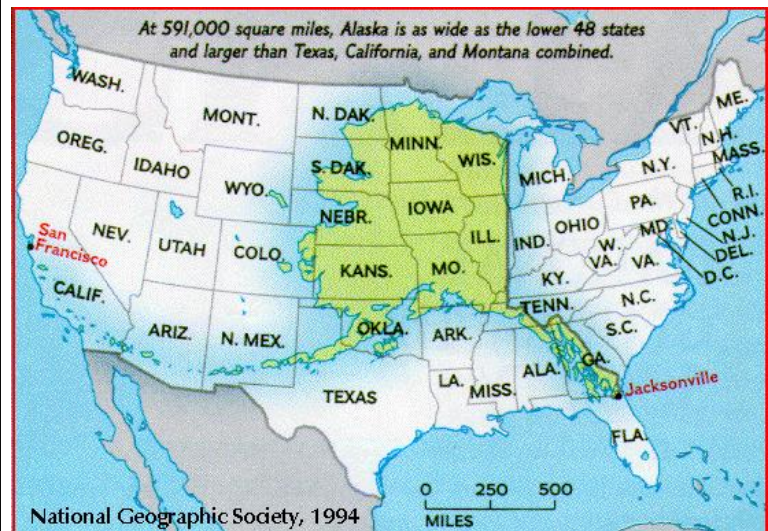
1:00-2:30 PM VE Amateur Radio License Testing.

Contact Hamfest Chairman:

Robert Rowley AL2B at (907) 283-1958 or

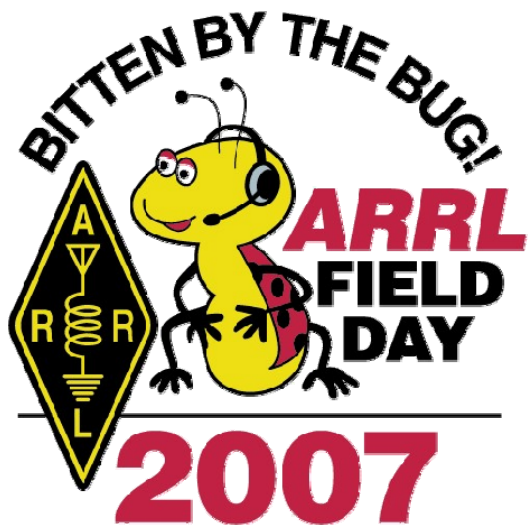
[AL2B@alaska.net](mailto:AL2B@alaska.net)

webmaster: Ed Cole KL7UW [KL7UW@ARRL.Net](mailto:KL7UW@ARRL.Net)



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



**WHEN:** JUNE 23rd & 24th, 2007

**WHERE:** Romig Jr. High School  
(in conjunction with Mayor's Marathon)  
Anchorage, ALASKA

**FIELD DAY 2007**