

Anchorage Amateur Radio Club

Next Meeting August 6, 2010, 7:00 PM



Next General Meeting August 6th.

Message from the Board

September General Meeting, September 3rd.

All about the Space Shuttle

Stephen C. Brown, Ph.D., District Agriculture Agent,
Mat-Su/Copper River Districts, Cooperative Extension Service, University of Alaska.

Since the MODULATION TIMES is no longer being sent out by US MAIL, we need some help from all the AARC members. We have gotten a large percentage of the e-mailed newsletters returned as undeliverable. Also we have no e-mail addresses for many of you.

Would you please e-mail "membership@KL7AA.net" with a current e-mail address and current mailing address and phone numbers (home, work, and cell — as you choose).

If you have special needs or concerns please send your comments to editor@kl7aa.net to bring to the attention of the board of AARC. Current and newsletters from years past can be found on the club website at www.KL7AA.net.

From your Newsletter Editors:

We want to thank all of you for your help in the transition to new newsletter editors. We couldn't have done it without you.

Lara (AL2R) and Alice (KL2GD) Baker

AARC Hamfest —

**Saturday, August 28th.
10:00 AM — 4:00 PM
Kincaid Park Chalet.**

Greetings all,

It is once again time for us to look forward to this year's annual Ham Fest event. Our location is not new to the Amateur Radio community. In researching old newsletters I was able to find that this year's location has been used many times in the past. Where you ask; why Kincaid Park of course. Kincaid Park is at the end of Raspberry Road. The location for Field Day is the same, but the destination is the Chalet at the end of the road. When you ask; August 28, 2010.

Getting into the event is free. Tables are the standard Ten Dollars (\$10.00). To reserve a table, please contact Kathleen O'Keefe at 243-4675. We will have a General Store but we ask you NOT to bring any items that will cost the club to dispose of. If you bring such items we will not take them on consignment. Vendors may start setting up tables at 9:00 AM; the public can start making purchases and buy raffle tickets beginning at 10:00 AM. Also, we have been assured that testing will be available beginning at 2:00 PM. Prior to testing we have a couple of programs set up. So, come early and take advantage of socializing with local amateurs from around the state. Learn about satellites and towers.

Unfortunately Gordon West is not able to attend this year, but we will try for him again next year. Perhaps if we begin planning a bit

KL7AA

earlier, we can surprise folks with special guests. Try to come up with some idea's of folks you would like to see come on up and join us.

We are doing several things differently. In the past couple of years we have had special raffle tickets printed for the main door prizes. The committee decided to go back to the original way prizes were awarded, and the Five Dollar (\$5.00) tickets are only sold during the Ham Fest and you must be present to win. Even if you give your ticket to another individual, they may not claim the prize for you. Sorry, but we are trying to be fair to all of you who hang out all day with us.

What else is different? I'm glad you asked. We have reserved use of a Bar-B-Que grill and although the club is not offering to provide hamburgers or hot dogs, we encourage you to bring your food items to cook. We will try providing b-b-q tools, but it might be a good idea to bring your own. The club will provide plates, plastic ware, water, coffee, tea and hot chocolate as well as mustard, relish and ketchup. We will also have limited buns for hamburgers and hot dogs. Let us know what you need.

Also, each person will receive one free ticket and door prizes will be given out several times during the day. Once a ticket has been drawn it is out of play and not used again.

We have three main prizes. The main prizes are to be awarded beginning at 3:30 pm. They are: an HF Base unit (**YAESU FT-450AT**), a VHF mobile (Kenwood TM271A) and a VHF/UHF Alinco handheld. Also for sale will be the standard One Dollar (\$1.00) tickets for some other neat prizes. The \$1.00 tickets will be books, vintage equipment and surprise items. The \$1.00 tickets will be drawn hourly. Be prepared for surprise items as well.



Kathy & Friend

We will have the CCV available for tours at 11:00 am and 1:00 pm. So if you haven't had a chance to see this piece of equipment set up for use during events and disasters, stop on by and see what your club funds are supporting. Should you have any questions, please do not hesitate to contact Kathleen O'Keefe at 243-4675 or kok@woodcross.net. All of us who have helped put this event together this year are looking forward to having many "hams" spend the day with us.

Respectfully submitted by: Kathleen O'Keefe KL7KO

Anchorage Running Club Big Wild Life Runs

Sponsored by Humpy's

This year the Club is supporting the Humpy's marathon, and we are in need of a few more volunteers to help us staff checkpoints.

This event takes place on Sunday August 15th, and is a qualifier for the Boston Marathon. It is composed of a full marathon, a half marathon and a 5k run on downtown streets. The Anchorage Running Club coordinates all of the Big Wild Life Runs, and information and maps can be found at the following web link:

<http://www.anchoragerunningclub.org/bwlr/index.html>

The course will be run on downtown streets, the Chester Creek Bike Path and the Coastal Trail. The attached Google map may be a little small, but can be accessed at the above link.



I would appreciate your help.

I can be reached at: 243-0706 (H) or 277-3545 (W) or by e-mail at
aksunlite@aol.com.
Keith Clark, KL7MM.

MS 150 - Bike Ride to Seward

Ham operators are needed to support a 2 day bicycle ride from Hope to Seward and back to Hope on Sat/Sun Sept. 11-12.

Who: Ham operators that want to have a great time. 13 positions each day

What: Be the communications backbone in support of Multiple Sclerosis Bike ride.

Hams are the primary communication tool due to lack of cell coverage.

Where: Between Hope and Seward- Some positions at rest stops while others are mobile in support vehicles. Free dinner in Seward Saturday night.

Why: It's what Hams do. It's great practice and lots of fun. You get a cool t-shirt.

When: Saturday Sept 11 and Sunday Sept 12. One day or preferably both

How: Contact Allen- KB1QCE at 907 947-0827 or allenabbott90@msn.com

It's that time again. Time to be the ONLY communication link in support of a fundraiser for Multiple Sclerosis. Their annual bike ride from Hope to Seward and back. Our club has supported this event for many years. Volunteers will be asked to pass messages from other MS volunteers and to be the vital link to 911 in the event of an emergency. Some positions are 3-4 hours and others are all day. Some positions allow you to hang out in the comfort of your own vehicle at a rest stop while others have you in a "support vehicle" using a mobile & mag mount antenna.

You will never meet a friendlier bunch of folks, cyclist and volunteer staff. The food is great and it's a very worthy cause.

Editor's Note:

We much regret not giving credit to John Lynn for the Mayor's Marathon pictures that were in the July newsletter — and to TJ Sheffield for those from Field Day, 2010.

See more of TJ's pictures in the Field Day Report in this issue.

Thanks to Heather Hasper for sending the following article for inclusion in the Newsletter.

FCC Okays Employee Participation in Emergency Drills

Just received from the Winlink site.

Moving with unaccustomed speed, the FCC adopted a Report and Order on July 14, allowing hams who are employed by both government agencies and non-government agencies such as hospitals, to participate in emergency and disaster drills on behalf of their employers. The ruling was based on a Notice of Proposed Rule Making, WP-10-72, issued this past March, in response to petitions arising from a strict interpretation by the FCC's Enforcement Bureau of the prohibition on amateurs communicating on behalf of their employers. The decision came just more than a month after the reply comment deadline.

The ruling added a new paragraph to Section 97.113(a)(3) of the FCC rules, which reads as follows:

(i) A station licensee or control station operator may participate on behalf of an employer in an emergency preparedness or disaster readiness test or drill, limited to the duration and scope of such test or drill, and operational testing immediately prior to such test or drill. Tests or drills that are not government-sponsored are limited to a total time of one hour per week; except that no more than twice in any calendar year, they may be conducted for a period not to exceed 72 hours.

There is no specific effective date given in the Report and Order, so it will presumably become effective upon publication in the Federal Register. The complete text of the report and order may be accessed online at < http://www.fcc.gov/Daily_Releases/Daily_Business/2010/db0714/FCC-10-124A1.pdf >.

This normally becomes effective 30 days after the posting.

A side note, which all of us probably understand, the operator must have the correct operating privilege for the radio they are using on the drill. HF still requires a general or higher to operate.

Report from Field Day 2010

Field Day 2010

It's in the record books – Field Day 2010 is gone but not forgotten!

The lessons learned during this simulated emergency communications deployment will guide our project planning and training regimes for the next twelve months.

How'd We Do?

We keep track of “points” because the ARRL offers them. The ARRL is our national association for amateur radio and sponsors this event.

Points are earned for making on-the-air contacts, and for “telling our story” to the public, elected officials and served agencies.

Points are secondary to the learning experience, but they are a measure of how we're doing. Points are an indication of the level of effort the club is willing to contribute to this annual event.

This year, our claimed score of 2,944 was the second highest in club history, so congratulations to all for making Field Day 2010 a success!

All three elements of our communications philosophy were represented by CW, SSB and Digital stations.

The design goal for field deployed systems is to provide multi-mode operation, on multiple bands, and be “frequency agile” within those bands.

Our communications philosophy is reflected in the acronym “MBA”, which stands for Multi-Mode, Multi-Band and Agile.

Stations

The SSB, Get-On-The-Air (GOTA) and Digital stations were located at the Nike Staging Area, a parking lot near the main entrance road to Kincaid Park. We call this area the “South” location.

The CW station (called the “North” location) was off the main road, up on the concrete pads near the Hundeplatz dog training area.

SSB / GOTA Performance

We set up the SSB station in the CCV motorhome as a “time share” with the GOTA station.

The SSB / GOTA station shared a three element Cushcraft A3 and a new system for the low bands, the roof mounted SGC tuner and the 500 watt amp, feeding a delta loop wire antenna using a three point suspension system.

The SGC amp and tuner advertise a “15 ms” turnaround time for transmit / receive (in “automatic” mode) but we experienced a lot longer hang times, on the order of 300 to 500 ms.

While acceptable for casual operation, this much hang time is not so good in the high-speed environment of a “contest” weekend.

After Field Day, we evaluated the SGC system and built up a dedicated amplifier keying line.

Paul, WL7BF created a really nice RCA keying line that works much better than the “automatic” (RF sensing) mode we used at Field Day.

The loop antenna caused us some implementation problems, but a team effort resolved the majority of these issues and the loop provided good performance on the low bands.

We didn’t really “wring out” this arrangement, due to the SGC keying issues identified earlier, but the system has potential to provide a useful Near Vertical Incidence Sky-wave (NVIS) capability with a fairly quick deployment time.

CW Performance

The CW station had a dedicated group of four operators this year, led by Kent Petty, KL5T. Aside from some N1MM software / interface / logging issues, this high-performance station worked quite well. Kent reported he could “work anything he heard” using the SteppIR vertical on 80 and 40 meters.

Kent’s team of Corliss, AL1G, Steve, KL7SB and Allen, N5XZ generated the second highest CW score in club history.

Digital Performance

The digital station was located in the old satellite operator position in the front of the CCV motorhome.

The Yaesu Mark V radio used for the digital station dropped its audio chain early in the setup period.

Rich, AL4S replaced the faulty radio with a second Mark V from the club inventory, but configuration issues prevented the station from coming on-line in time for the start.

The dedicated digital operators of Rich, AL4S and Sean, KL2CO resolved these configuration issues in time to make a number of QSO's using PSK31.

Digital modes are increasingly important to our emergency communications protocol, and all of us need to be familiar with the techniques and methods used in these modes.

HughesNet System Performance

The HughesNet is a commercial satellite access system that can link our field deployed communications operation with the internet.

Richard, KL2AZ once again made this system operational and provided hands-on training in setup, configuration and operation.

More of this training will be scheduled in the near future, so be sure and watch for announcements about this important link in our communications chain.

There are many opportunities to expand our digital and wireless system capabilities, so get in touch with the Projects Committee if you are interested in learning about these high-tech systems.

Infrared Performance

The "infrared" station is really our chow hall, and Kevin, KL2NV once again stepped up to grill some tasty halibut for the Midnight Fish Fry.

Keith, KL7MM provided all the other meals and they were very much appreciated by a crew who worked tirelessly (and in the rain) to make Field Day 2010 a success.

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Help Plan Field Day 2011

Please join us for Field Day 2011. You can begin your training experience using the club's high performance communications and support systems, located in the CCV garage on Rowan Street, off Dowling, at the new Seward Highway round-about.

Experienced operators meet there every Wednesday at 7:00PM to work on projects. These operators can schedule training on the same equipment that will be used for Field Day, or when we deploy for a real communications emergency.

Sincerely,

Keith Clark, KL7MM



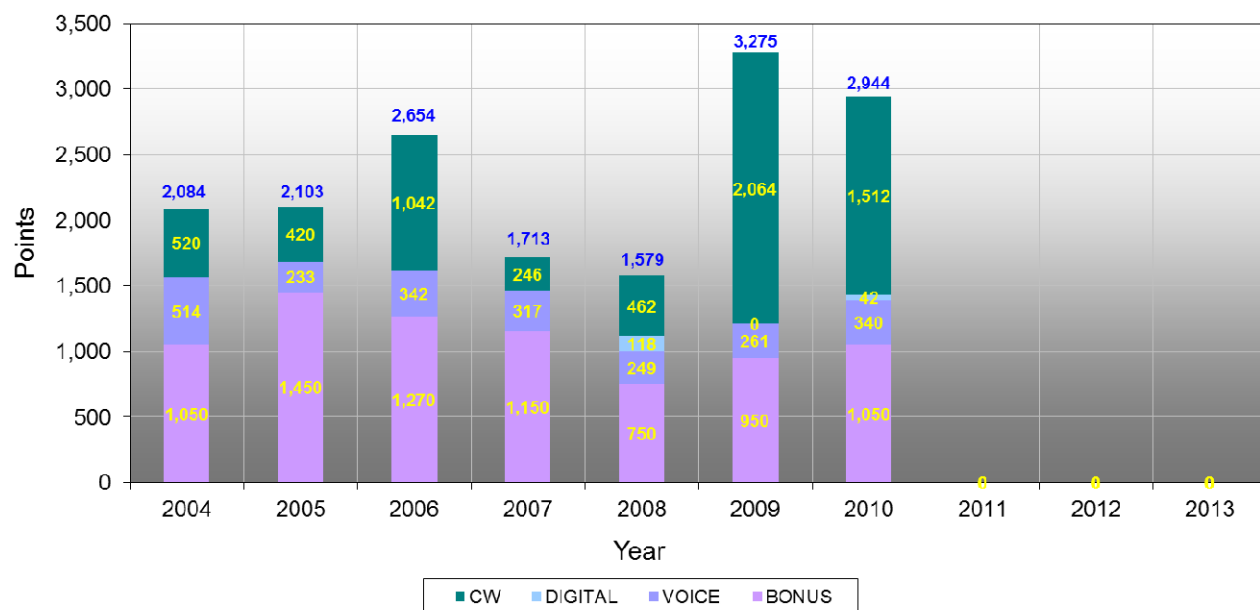
Elected Official
Assemblyman Ernie Hall (left) and
Keith Clark, KL7MM

Field Day Results

KL7AA Class 3A	Lead Operator	2004 QSO PTS	2005 QSO PTS	2006 QSO PTS	2007 QSO PTS	2008 QSO PTS	2009 QSO PTS	2010 QSO PTS	2011 QSO PTS
SSB Station	KL7MM	420 420	201 201	280 280	305 305	242 242	217 217	316 316	
CW Station	KL5T	260 520	210 420	521 1,042	123 246	231 462	1,032 2,064	756 1,512	
Digital Station	AL4S	--- ---	--- ---	--- ---	--- ---	59 118	--- ---	21 42	
G-O-T-A Station	KL7TS	81 81	4 4	50 50	--- ---	2 2	38 38	19 19	
Satellite Station	---	6 6	2 2	3 3	2 2	--- ---	1 1	--- ---	
Solar Power Station	KL7TS	5 5	26 26	9 9	7 7	5 5	5 5	5 5	
VHF Station	---	2 2	--- ---	--- ---	3 3	--- ---	--- ---	--- ---	
Subtotal		774 1,034	443 653	863 1,384	440 563	539 829	1,293 2,325	1,117 1,894	0 0
Youth Ops	---	---	100	20	---	---	---	---	
G-O-T-A Bonus	---	---	---	100	---	---	---	---	
NTS to SM / SEC	---	---	---	---	---	---	---	---	
NTS Messages	---	---	---	---	---	---	---	---	
W1AW Bulletin	KL5T	---	100	100	100	100	100	100	
Educational Activity	KL7MM	200	300	200	200	100	100	100	
Media Publicity	---	100	100	100	100	---	100	---	
Elected Official	KL7MM	---	100	---	---	---	---	100	
Served Agency	KL7MD	100	100	100	100	---	---	100	
Public Place	KL7TS	100	100	100	100	100	100	100	
Information Table	KL7MM	100	100	100	100	100	100	100	
Satellite QSO's	---	100	100	100	100	---	100	---	
Solar Power QSO's	KL7TS	100	100	100	100	100	100	100	
Generator Power	WL7BF	200	200	200	200	200	200	300	
Submit via the Web	KL7TS	50	50	50	50	50	50	50	
Subtotal		1,050	1,450	1,270	1,150	750	950	1,050	0
Infrared Station	KL2NV								
Weatherport Tent	KL7MM								
Computer Network	KL2AZ								
Claimed Score		2,084	2,103	2,654	1,713	1,579	3,275	2,944	0



KL7AA FIELD DAY Anchorage Amateur Radio Club Annual Effort by Mode



NCVEC Conference Report

By Jim Wiley, KL7CC

Here is a brief summary report of my recent trip to Gettysburg, PA, to attend the 2010 NCVEC (National Conference of Volunteer Examiner Coordinators (NCVEC) meeting. The meeting was held on Friday, July 23, 2010, at the Days Inn. The meeting commenced at 8:00 AM, with Larry Pollock, NB5X, of the W5YI VEC presiding as conference chairman.

The first item of business was the recitation of the Pledge of Allegiance, led by Gene Wright, WA6RZT, of the Golden Empire VEC. Following the pledge, we began discussions on several agenda items. The first item of business was a presentation by John Johnson, W3BE, of the Laurel VEC. John's topic was "Making sure you have what it takes to be a Volunteer Examiner."

Following John's presentation, we had a lively and very interesting talk by Laura Smith, the new FCC point person for the enforcement bureau. Laura took over the position recently held by Riley Hollingsworth. Laura's talk centered on getting along with your fellow amateurs, and how to deal with those who would ignore the rules. Her main topic was finding ways to defuse anger in confrontational situations, and how to deal with them. Her technique is to be non-responsive when confronted with a belligerent person, and only to respond when the dialog has resumed with a more civil tone. In other words, she tries to make the violator realize that their anger does them no good, and makes them realize that nothing will happen until they become more rational. She related a few humorous anecdotes that had taken place in the course of resolving various interference issues and related events.

Following Laura's talk, we then heard from Bill Cross, W3TN, who heads up the FCC's office that deals most directly with amateur radio matters. Bill spoke of various rule changes having to do with amateurs providing support for emergency drills and related items while being paid by their employer. He noted several instances where such activities would be either legal or against the rules, depending on particular circumstances. Bill then went on to discuss how the increasing demand for broad-band services (think cell phones and Wi-Fi connections) might impact spectrum demands and the amateur radio service. Bill mentioned that the key to retaining spectrum was to show use. In other words, "use it or lose it". Bill also mentioned that there is a movement to simplify the present part 97 rules. In some cases, this will mean that some rules that are scattered over several sections will be pulled together into one area, and in some other cases rules will be removed or simplified.

(continued on next page)

Bill also advised the VECs that there has been some confusion concerning the data that must be present on a license application form (the VECs use NCVEC form 05). All the FCC needs is a valid mailing address, which could be either a home address or a PO Box, including a PO Box rented by a mail forwarding company, such as Mailboxes USA. There were several other VEC related issues discussed, but none of major impact.

Following lunch, the afternoon session concerned itself with a FCC presentation of a new and updated version of the ULS and CORES licensing databases. The FCC personnel solicited suggestions from the group on how the new database could be better structured to allow increased flexibility when searching for data. We were able to make a few suggestions that the FCC personnel said would probably be included in the new programs. The updated public interface is scheduled for release early next year.

We also discussed the idea that the communications act itself will be up for review soon, probably next year. This is a really big deal, since modifications to the communications act (more properly called "The Communications Act of 1934") which is the "word of God," so to speak, when it comes to communications law in the United States. This act is the legislation that created the FCC itself, and is the instrument with which the United States interacts with other nations around the world. The last time the act was modified was in early 1990s. Remember that then there was virtually no Internet as we know it today, no Wi-Fi, no high-definition TV, just the beginnings of satellite direct broadcast, and almost no cell phones. One thing that came up was that this would be an appropriate time to include verbiage that would add protections against antenna restrictions contained in deeds and covenants, in a manner similar to that contained in the well known "PRB-1" ruling. It was noted that such actions must come from our representatives in Congress, our senators and assembly-people. In other words, if we want changes in these areas, we have to start the ball rolling in time for appropriate legislation to be incorporated into the changes that will affect the communications act.

The group then discussed several items of interest to the VECs themselves. We discussed ways to simplify the paperwork issues when dealing with large groups of applicants such as a class of graduating students. We also received a presentation from Willard Sitton, W4HZD, of the WCARS VEC, concerning amateur radio and the Boy Scouts. Willard made the point that the Scouts are a natural area for fostering interest in amateur radio, and offered some details of methods they have been using to this end.

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(NCVEC Report continued)

The QPC was represented by Roland Anders, K3RA, chairman. I am one of the member of that committee, having served as chairman for the previous 4 years. Roland discussed progress on the new General Class question pool and some of the challenges we are encountering. One issue concerned the editing for writing style and format, as well as parsing for typos and other minor errors of the new pool, a job that has formerly been done by Steve Sternitzke, NS5I, of the W5YI VEC. Unfortunately, Steve has had to offer his resignation due to other priorities. The ARRL offered the name of Nancy Hallas, W1NCY, as editor. Nancy has served as editor for several ARRL publications, including both technical and operating books. After some discussion, the NCVEC accepted Nancy's offer to assist the QPC for a small fee. The fee will be paid by NCVEC in cooperation with the ARRL.

Following the presentations, the meeting then held an election for officers and committee members for the upcoming year. The officers for 2010-2011 are Larry Pollock, NB5X, chairman; John Johnston, W3BE, vice-chairman; Michele Cimbala, WK3X, secretary; Ray Adams, W4CPA, treasurer. The question pool committee consists of Roland Anders, K3RA, chairman, with Jim Wiley, KL7CC (Anchorage VEC,) Perry Green, WY1O (ARRL VEC,) Larry Pollock, NB5X (W5YI VEC), and Mike Maston, N6OPH (SANDARC VEC) as committee members. Mike is new this year as a QPC member.

Finally, the conference decided that our next meeting would probably be some place other than Gettysburg. After having the meeting in Gettysburg for the past 10 years or so, we felt that it was time for a change. The location of the 2011 meeting will be decided later. Considering that Gettysburg was blessed (?) with 102 degree heat (real temperature not the heat index"), and 25 MPH dry winds - must be what the Sahara is like (HI) - I will welcome the change.

Also, as an aside, I had the opportunity to make a brief visit to the contest station owned by W3LPL (Frank Donovan), located in Glenwood, Maryland on Thursday, before the start of the conference. Had a nice eyeball QSO with Frank. This was the first time we had met in person, even though I have contacted his station several times during various contests. The station is just a few miles off the side of the route between Baltimore and Gettysburg. Impressive is the only word that fits. Something like a dozen 100 to 200 foot towers, a 160-meter 4-square array, 2 each 80-meter quads, 32 elements on 10 meters (4 X 8-el Yagis on a 200 foot tower), stacked 40-meter 3-element Yagis on another 200 foot tower, 4 each 6-element 20-meter Yagis, and many more. All on 10+ acres of Frank's own rolling Maryland countryside, plus the generous consent of his neighbors (one of whom is also a ham) giving a total of almost 20 acres of antenna fields. The operating location features 6 custom built 4-1000A amplifiers, one for each band 160 thru 10 meters (no WARC bands of course, as contesting is not allowed on those bands). (continued on next page)

(NCVEC Report continued)

Pretty they're not, but they work just fine. 6 meters has a kilowatt amp into 10 elements at 160 feet.

Most of the towers are fully rotating, so the whole stack of antennas goes around as one group. The W3LPL station has won first place in the world for many of the major contests. The combination of an excellent location, high power, well trained operators, wonderful antennas, and lots of practice makes for good results.

By Jim Wiley, KL7CC



A REALLY Big Dish:

This shows two of the 27 dishes that make up the Very Large Array (VLA) near Socorro, New Mexico.

Each dish is 25 m. (82 feet) in diameter. Data from all 27 antennas is combined to give the resolution of an antenna 36 km (22 miles) across, with the sensitivity of a dish 130 meters (422 feet) in diameter.

The dishes are on tracks so they can be moved to different configurations for research purposes.

For more information: <http://www.vla.nrao.edu/>

Upcoming Events



Anchorage Running Club's Big Wild Life Run —

Sunday, August 15, 2010

Coordinated by Keith Clark

Full Marathon, 1/2 Marathon, and 5 K event.

This is the club's first year supporting this event, and they want help so badly, that I actually received applause when I was introduced to the organizing committee.

We want to make a good impression — so please volunteer.

Contact Keith at aksunlite@aol.com, 243-0706 (home) or 277-3545 (work).

AARC Hamfest — Saturday, August 28, 2010

10:00 AM—4:00PM — At the Kincaid Park Chalet

Door prizes — HF Transceiver — several UHF/VHF radios, many other prizes. Must be present to win.

Programs and Speakers — VE Exam Testing

Volunteers needed — Contact: Kathleen O'Keefe KL7KO (kok@woodscross.net)

Multiple Sclerosis Bike Ride. — Saturday Sept. 11th, and Sunday Sept. 12th.

Where: Between Hope and Seward —

some positions at rest stops while others are mobile in support vehicles.

Free Dinner in Seward Saturday Night.

Contact Allen at 907-947-0827 or allenabbott90@msn.com.

August 2010






ARES DISTRICT 7 & 5

www.aresalaska.org



Anchorage Amateur
Radio Club
PO BOX 101987
9510-1987



Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 VE Testing	4	5 	6 General Meeting 7:00PM	7
8	9	10	11	12 	13	14 VE Testing
15 Big Wild Run	16	17 AARC Board Meeting 7 PM	18	19 	20	21 EARS General Meeting
22	23	24	25	26 	27 Mara Meeting 	28 AARC Hamfest
29	30	31				

ARES NETS:

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

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

*PARKA: meets at Peggy's restaurant, 11AM
Contact: Lil Marvin NL7DL, 277-6741
EARS: R1 North, Third Saturday of each month.
Contact: Ron Keech: KL7YK@arrl.net*

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.arrl.org/cce/> for more information.

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 to bring to the attention of the board of AARC. Current and newsletters from years past can be found on the club website at www.KL7AA.net

Who Do I Contact to Join AARC

Fred Erickson KL7FE
12531 Alpine Dr
Anchorage, AK 99516-3121
E-mail: 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

ANNOUNCEMENT:

AL7N is the Alaska Section Traffic Manager. Ed is looking for Code operators for passing formal NTS traffic throughout Alaska on the AK CW Net.

For more information Please contact:
AL7N@arrl.net

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



For Sale: TS-2000. Like New. Non-smoker. Non-mobile. Never been moved. Manual and box. Come by and operate. \$1150. Please contact John Bury/KL7QZ at 349-8754



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



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

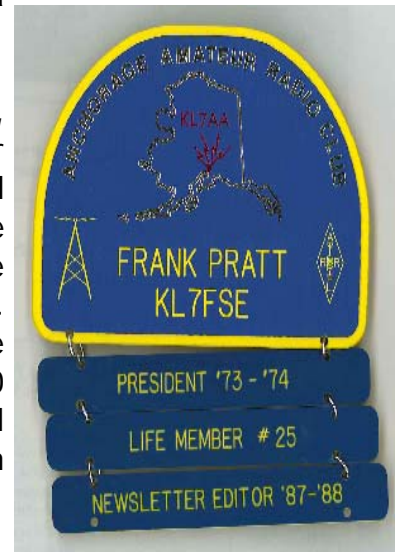
**HYGAIN TH-5 HF Antenna (5 element - 3 band)
Dismantled — If interested, contact Mike O'Keefe,
(KL7MD), KL7MD@arrl.net.**

AARC BADGES

The badge comes with your Name and Callsign engraved, the club logo on an arched 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.

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.



Slow Scan TV Transmitter, with Power Supply & Hub. \$50 or best offer. For more information or to see equipment contact KL7SP@arrl.net or 275-7474.

If you have equipment that you want to have listed for sale, please notify the editor at editor@KL7AA.net before the 20th of the month.



Data You Can Use:

Freq	Tone	Call	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
147.33 +	103.5	WL7CVF	Cross linked to 443.900	Very Wide Area **
443.900 +	103.5	WL7CVF	Cross linked to 147.330	Very Wide Area **
147.27 +	103.5	WL7CVG	Cross linked to 443.300	Very Wide Area *
443.300 +	103.5	WL7CVG	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.**

Nets in Alaska:

The following nets are active 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

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

2010 Board of Directors

President	Randy Vallee	KL7Z	president @ kl7aa.net
Vice President	John Orella	KL7LL	vicepresident @ kl7aa.net
Secretary	Paul Spatzek	WL7BF	secretary @ kl7aa.net
Treasurer	Calex Gonzalez	KL2BT	treasurer @ kl7aa.net
Activities Chairman	TJ Tombleson	KB8JXX	activities @kl7aa.net
Trustee	Keith Clark	KL7MM	trustee @ kl7aa.net
Membership Chairman	Fred Erickson	KL7FE	membership @ kl7aa.net
Newsletter Editors	Alice Baker Lara Baker	KL2GD AL2R	editor @ kl7aa.net
VEC Testing Chairman	Jim Wiley	KL7CC	vec @ kl7aa.net
Three Year Board Members			
3rd Year	Eric McIntosh	KL2FM	KL2FM @ arrl.net
2nd Year	Bruce McCormick	KL7BM	KL7BM @ arrl.net
1st Year	Tom Rutigliano	NL7TZ	NL7TZ @ arrl.net
One Year Board Members			
	TJ Sheffield	KL7TS	KL7TS @ arrl.net
	Michael O'Keefe	KL7MD	Mok @ gci.net
	Jim Wiley	KL7CC	jwiley @ alaska.net
	Susan Woods	NL7NN	NL7NN4606 @ yahoo.com
	Pat Wilke	WL7JA	W17ja @ clearwire.net
	Sean Jensen	KL2CO	KL2CO @ arrl.net
	Hugh McLaughlin	KL7HM	KL7HM @ arrl.net
	Kathleen O'Keefe	KL7KO	kok @ woodscross.net
	Allen Brier	N5XZ	N5XZ @ arrl.net



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 et:** 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

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.**

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

WINLINK	Callsign	Frequency
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

August 2010

MONTHLY EVENTS

1st 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.

1st 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.

1st 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

2nd 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+.

2nd 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.

3rd 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 or KL7YK@arrl.net

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

4th 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 Don Bush, KL7JFT, dbush@gci.net.

AARC web page & Email contact addresses:

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

Webmaster: webmaster@kl7aa.net

Membership: membership@kl7aa.net

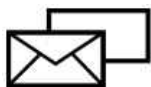
Newsletter: editor@kl7aa.net

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.



*ARRL Affiliated
Club for more
than 50 years*

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/>

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

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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

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