



North Winds

VOICE OF THE ANCHORAGE POST

January 2010 Edition

CALENDAR OF EVENTS

The Society of American Military Engineers
(SAME) Meeting XX January 2010
Anchorage Moose Lodge
BOD Meeting XX January 2010
0630 @ Country Kitchen Restaurant

ALL NEWSLETTER ARTICLES ARE DUE TO THE EDITOR BY THE 10TH OF EACH MONTH

This month's sponsor is:



President's Column

"I would like to extend a hearty New Year to all of our members! It is difficult to imagine that we will be actually writing "2010" on our correspondence in the coming year. I would like to thank all of our members, sustaining and individual alike, for the tremendous support that you provided to the post during 2009. As a result of many volunteers and the generous donations of our members we continue to demonstrate that this post is focused on supporting the many activities that help design, build, operate and maintain our infrastructure that is so critical to the vitality of our economy. In 2009, this support took many forms from supporting engineering and science students, to assisting the University of Alaska's Architect Engineering Club on a trip to build for Habitat for Humanity, to sending high school students to summer construction camps.

As many of you know one of our largest events of the year is upon us- the annual Art Raffle and

Scholarship Banquet. This year in addition to recognizing our new board, we will be awarding a record amount of students scholarship grants. Thanks to all that support this program so generously and look forward to seeing you at the banquet."

Should you like to comment, please pass on your thoughts to our secretary, Jaci Mellot, at jaci.mellot@hdrinc.com

Thanks for all you do for our post.
Tim Gallagher
Post President

PROCEEDINGS:

The following were present:

Mr. Tim Gallagher, Maj. Tom Fenoseff, Ms. Kathy Jacobson, Mr. John K. Magee, Ms. Vivian Tokar, Ms. Nicole Knox, Mr. Pat Coullahan, Mr. Bill Kontess, Ms. Jaci Mellott, Mr. Skip Koch, Mr. Andy Larson, Mr. Ted Trueblood

Mr. Tim Gallagher –President opened the meeting at 0645.

- Treasurer: Ms. Kathy Jacobson
 - On track
 - Banquet: Layout and final meal selections confirmed with Eagan Center
 - Seminar: To date, 16 reservations have been received
 - 2010 budget was approved

- Newsletter: Mr. Andy Larson
 - Need newsletter sponsors
 - Needs timely input to meet the deadline
- Programs: Mr. Dave Bennett
 - Possibly construction law topics for February 2010
 - Schedule separate program workshop (Mr. Gallagher, Mr. Bennett, Maj. Thomas Fenoseff, Mr. Tom York)
- Seminars:
 - See Treasurer's Report
- Awards: Mr. Skip Koch
 - Post will continue to support UAA Senior Class project
 - Mr. Koch requested guidance on how to select the nomination when more than one candidate is available
- Scholarships:
 - See below
- Membership:
 - Reviewed expiring members and status of contact
 - Mr. John Magee to contact USKH
 - Second Vice President, Cpt. Dan Fox, to take over memberships
 - Mr. Andy Larson has taken over email management
- Banquet: Mr. Ted Trueblood
 - Letter from point of contact on Banquet (display booth)
 - Ms. Kathy Gardner to make contact: status report
- Talley Fund:
 - See below
- Streamers: Major Tom Fenoseff
 - Streamers are in good shape
- After Action:
 - No update

- Golf Tournament:
 - Mr. Larry Opperman is the champion for this event in 2010
 - Tournament will be held on June 11, 2010
 - Camp Event: Mr. Chris Turletes
 - No update
 - Other:
 - No update
 - Goals:
 - No update
- Mr. Tim Gallagher, President, closed the BOD meeting at 0752.

Banquet

Banquet Display Space available: Want to put up a display at the annual Banquet on Jan 23rd? We have some spaces left. The space is free and a great opportunity to show the Post membership who you are and what you do for DOD in Alaska and around the world. If you are interested please call Chris Turletes at 244-8063.

CONTRIBUTING TO THE MISSION

The Anchorage Post distributes an average of \$22,000 annually for scholarship and donations through the efforts of our sustaining and individual members. These donations foster and support the education of our young engineers and scientists. The Anchorage Post would like to thank Weston Solutions for their generous donation in September to the Benjamin B. Talley Fund and to our annual scholarship award program. Weston's donation joins other sustaining members and individuals who have consistently supported this program. The Anchorage Post Board of Directors extends our most sincere appreciation and thanks to Weston Solutions and the SAME, Anchorage Post membership.

The annual banquet is fast approaching, and announcements and reservation fliers will soon be appearing in the *North Winds* newsletter, as well as in your email inbox. If you would like to join or

continue in the scholarship donation effort, please contact either Kathy Gardner (gardnerk@alyeska-pipeline.com) or Kathy Jacobson (kjacobson@akmaa.com).

CPM Schedule Training

The Anchorage Post is sponsoring Critical Path Method (CPM) Construction Schedule Training on February 19 at the Captain Cook Hotel. Cost for this training course is \$125 for non-military and \$50 for military personnel. The goal is to demystify CPM scheduling. After this course you will have a higher proficiency reviewing schedules; will be able to use schedules as a management tool and increase project success; and reduce or eliminate delay claims. This course is currently being taught to the US Army Corps of Engineers, Alaska District.

Talley Fund

We had eighteen eligible applicants for the General Benjamin B. Talley scholarships this year. All 18 will be awarded scholarships. One UAA Engineering Graduate Student award, 12 awards to UAA students, 2 to UAF students, 1 to a UH student, 1 to a BYU student, 1 to a Creighton student and 1 to a CU student. There are 5 women and 13 men applicants. 12 Engineering students, 1 Marine Science, 2 in Construction Management, 1 Geological Sciences, 1-Physics, 1-Chemistry. Three are either serving in the Guard or Reserve or are veterans. Seven are repeat winners.

SAME Scholarships

This year the SAME Anchorage Post and sustaining member firms will award over \$18,000 in College scholarships. These scholarships are the fruit of the Post's efforts in fundraising. So thanks to the Endowment Fund, the Post sustaining and individual members and committees that through a variety of activities such as the raffle, golf tournament, seminars, matching donations and Regional Conferences keeps our scholarship program viable.

Notice

Campers wanted: Anchorage Post is looking for 3 High School students interested in a week long adventure learning about Military Engineering and Construction at one of the three SAME sponsored Engineering and Construction Camps. <http://posts.same.org/camps/>. The Army camp application is due in March, the AF camp application is due in April and the Navy Camp application is due in May. Interested students should call check out the web site and call Chris Turletes at 244-8063 to discuss. The Post will sponsor one student for each camp. Campers must apply thru the Anchorage Post and we pay the camp registration and provide a transportation stipend.

Newsletter Sponsorship

Sponsorship opportunities are available for the 2010 North Winds monthly newsletter. All sponsors will have their name and logo on the front page of the Newsletter and up to a two page flyer attached to the North Winds. For 2010, we will continue our practice of allowing sponsors five minutes at the monthly luncheon to pitch their firm.

The North Winds Newsletter welcomes articles of interest and photos for the Newsletter. Please submit articles and photos with captions concerning SAME activities to the editor by the 10th of each month.

Officers

President	COL(R) Tim Gallagher
1 st Vice President	Ms. Vivian Tokar
2 nd Vice President	Lt Col Dean Hartman
3 rd Vice President	MAJ Thomas Fenoseff
Jr. Vice President	Ms. Nicole Knox
Secretary	Ms. Jaci Mellot
Treasurer	Ms. Kathy Jacobson

A contact list is attached.

Board of Directors

Military Unit Rep (USACE)	COL Kevin J. Wilson
Alternate Military Unit Rep	MAJ Bryan Erickson
Military Unit Rep	Lt Col Ron Pier
Seat A (Camps, Scholarships)	Mr. Pat Coullahan
Seat A	Mr. Ted Trueblood
Seat A	Mr. John K. Magee
Seat A (Golf Tournaments)	Mr. Everett Mabry
Seat A	Mr. Chris Turletes
Seat B	Ms. Kathleen Gardner
Seat B	Mr. Craig Lance
Seat B	Ms. Trish Opheen
Seat B	Mr. Jamie Spell
Seat B	Mr. Tom York
Seat C (Publicity)	Mr. Andy Larson
Seat C (Awards)	Mr. Skip Koch
Seat C	Mr. Steve Schwicht
Seat C	Mr. Bill Kontess
Seat C (Scholarships)	Mr. Bruce Steely
Membership	Maj Erik Sell
Newsletter	Ms. Carla Spires
Webmaster	Mr. Tad Dean

All members should check the web page to verify your email address is correct at:

www.same.org/custom/postrosters

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Your North Winds Newsletter is published by:



235 East 8th, Suite 210

Anchorage, AK 99501

Newsletter Editor: Ms. Carla Spires

cspires@northwind-inc.com

Phone: (907) 277-5488



Post Mailing Address:

S.A.M.E.

P.O. Box 6149

Elmendorf AFB, AK 99506-6149

Post website:

<http://www.sameanchorage.org>

Enterprise Engineering, Inc.

Celebrating Nineteen Years in Alaska

EEI has been providing multidiscipline engineering to Alaska clients for 19 years. Today, EEI provides engineering, inspection and construction phase services around the world and throughout Alaska. We've completed projects at most DoD facilities across the state, and we've also expanded our client base to include commercial developers. EEI counts companies like BP, Tesoro, and Delta Western as valued clients.

With more than 30 years specializing in POL design, inspection, and construction, EEI provides the highest quality of engineering services. We pride ourselves on the quality and responsiveness of our work. It's a commitment that EEI takes personally.

www.eeiteam.com



Fueling the Military Mission Worldwide

EEI is a local firm with a worldwide reputation. From our offices in Anchorage, Alaska and Freeport, Maine we work on Department of Defense projects throughout the world. At EEI we attribute our success to one fundamental theme—successfully meeting client needs.

USCG Aviation Fueling System in Sitka

Enterprise Engineering Inc. (EEI), was the Prime POL Design Engineer on this Design / Build project for White Mountain Construction (WMC). The project involved replacing the majority of the fuel system at USCG Base Sitka, Alaska. The existing hydrant system consisted of two tanks, a pumphouse, and hydrant pits with hose reels. The equipment did not meet current military criteria for aviation fueling systems and many of the system components were obsolete and presented a potential environmental risk. The underground piping and the hose reel pits were abandoned and replaced with aboveground piping and a new hose reel and 75 foot pantograph for both overwing and underwing helicopter refueling. In addition to the helicopter refueling point a truck loading rack with a pantograph arm and separate meter was also provided. The truck off-loading rack was reconfigured and the existing concrete secondary containment was expanded to provide parking and containment for the USCG's refueler. The

pumphouse was completely reconfigured and new API 1581 5th Edition filter separators will be installed.

To facilitate the Design / Build approach EEI performed the site investigation and, working with WMC and the USCG, refined the project scope and developed the concept level design. Once the design direction was established, EEI performed hydraulics for pump sizing and worked with WMC to develop a piping and facility layout. The new piping layout had to fit within the existing pumphouse structure and connect to the existing tank piping. To minimize construction costs the piping system was designed to provide flexibility whereby the filter separators can be used for issue, receipt or tank-to-tank fuel polishing. The facility was equipped with a defuel pump and an additive injection system. To protect the equipment from the normal heavy Sitka precipitation, a shed roof was provided over the helicopter fueling pantograph.

ENTERPRISE
ENGINEERING, INC.

Seward Long Term Care Facility

EEI is more than fuels system engineering. Our Anchorage office is home to a thriving civil group that includes civil and geotechnical engineers and land and hydrographic surveyors. Our clients include commercial developers, the Municipality of Anchorage, ADOT&PF, and several agencies that service rural Alaska.



NFESC Pipeline Integrity Management Centrally Managed Program

A Better Tool to Fund and Maintain Critical POL Infrastructure Systems

Partnering with NFESC

Enterprise Engineering, Inc. was retained by NFESC to develop an Integrity Management Program for facilities handling of DESC capitalized petroleum products at US military installations. The project is a new Centrally Managed Program (CMP) with the goal of reducing the risk of POL piping system failures by completing a planned and methodical pipeline integrity assessment of an installation's POL piping system. Based on this assessment, an Integrity Management Plan – POL Pipelines is developed which is customized for each installation and addresses that installation's unique requirements.

The Integrity Management Plan incorporates applicable portions of API 570 and includes identification of deficiencies and remedies to facilitate continued operation and sustainment. The Plan will provide the installation, MAJCOMs, Service Control Points, and DESC with a better tool to fund and maintain critical POL Infrastructure Systems.

As a part of this effort, EEI works with the installation to develop Life Extension projects which are integral to piping integrity. These projects range from more rigorous follow-on API 570 Inspections, hydrostatic testing and coating repairs, to extensive facility repair projects. The identified projects are then entered into the SRM database as a validated deficiency.

A Worldwide Mission

Engineers at EEI travel around the United States and the World. Project locations for this project and others include:

Japan · Korea · Cuba · Guam · Diego Garcia · Kwajalein · Wake Island · Taiwan · Spain · Germany · Greenland · Hawaii · Alaska · New York · Texas · Florida · California · Maine · Washington · Oregon



Working as a subconsultant to Architects Alaska, EEI's civil group recently completed work on the Seward Long Term Care Facility.

The facility is comprised of four individual 7,400 square-foot housing structures and a 17,500 square-foot Commons Building. EEI provided civil and geotechnical engineering for the project along with survey, platting and planning services.

Civil design involved extensive grading of the very steep 7.5 acre site to accommodate the residence and commons buildings, central roadways and walkways, and parking areas. Utilities were also extended to the site including water, sanitary and storm sewer mains and services. Geotechnical engineering reports provided recommendations for ground improvements and foundation design.

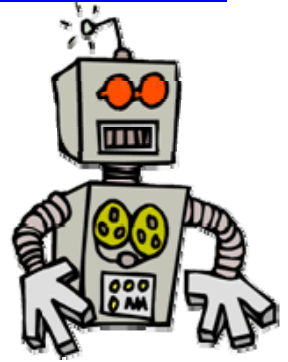
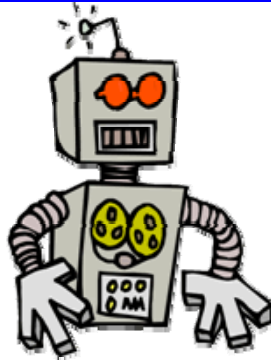
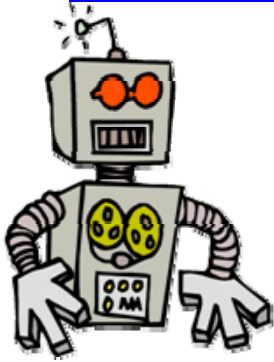
Wake Island Fuels System Modernization

A pre WWII strategic fuel stop that was renovated during the Vietnam area and subsequently allowed to degrade, the Wake Island fuels system needed to be modernized. With this as the goal, EEI provided extensive programming, engineering assessments, design services, and construction management services. EEI reviewed all components of the fuels system including piping, storage tanks, a truck rack, hydrant system, and fueling pier. The first round of projects (Phase I) was authorized and \$30 million of construction was completed by 2006.

Shortly after acceptance of Phase I, a super typhoon devastated the island, and a second round of projects (Phase II) was put on hold while the mission of Wake Island was reviewed by the Air Force.

The Air Force authorized the Phase II projects in 2008. EEI reviewed the pre-typhoon design documents, and in a very short time frame was able to update 10 design and 5 demolition projects. The design projects will be completed in 2010.

SAVE THE DATE! -- 2009 FIRST LEGO League Tournament



YOU'RE INVITED! to join us at Dimond High School on January 16, 2010 and help celebrate the work of our next generation of scientists and engineers!

Over the next few months, elementary and middle school students across the state will be studying transportation in Alaska as part of this year's FIRST LEGO League (FLL) Challenge "Smart Move". FLL is a global program created to get kids excited about science and technology. Geared for ages 9-14, FLL utilizes theme-based Challenges to engage kids in research, problem solving, and engineering. This year's challenge, "[SMART MOVE](#)" challenges kids to find innovative solutions to transportation issues in our state. The cornerstones of the program are its Core Values, which emphasize contributions of others, friendly sportsmanship, learning, and community involvement.

The season culminates in an exciting tournament celebrating their achievements and hard work. Several teams will also be selected to represent Alaska in world and national level competitions. They will be judged in four categories: Research Project, Teamwork, Robot Design and Programming, and Robot Performance.

If you have time, watch this short video clip, "[Get in the Game](#)" to get a better idea of what FLL is all about and the excitement and energy to expect on tournament day.

In order to make this event a success, we need a LOT of support from people like you. Please look through the volunteer role descriptions on the next two pages and let us know how you would like to help!

Who: EVERYONE! You do not need ANY experience to volunteer—there is a role for everyone!

What: Anchorage Robot Rally – FIRST LEGO League State Championship

When: Saturday, January 16, 2010

Where: Dimond High School (2909 W 88th Ave, Anchorage, Alaska)

Please contact us at akfllvolunteer@gmail.com if you have ANY questions about volunteering –

We look forward to hearing from you.

THANK YOU!

Ashley Kampsen
Nichole Rowland



FIRST Lego League

Anchorage Robot Rally – Saturday, January 16, 2010

Volunteer Positions

THANK YOU!!! Volunteers are the key to our tournament success!

This year, we will need *at least 70* volunteers to fill all of the necessary positions for the tournament. If you are interested in volunteering, please read the descriptions below to help decide what role you'd like to help in.

Contact akflvolunteer@gmail.com to sign-up or to request more information.

JUDGES (45) - Robot Design Judges (15), Teamwork Judges (15), Research Project Judges (15)

The judging panel should reflect a cross section of the population and be objective with all judging decisions. These men and women serve as role models to the participants through their actions and frequent interactions during the event, most significantly during the team presentations. Technical Judges should have some programming and design experience. Research Judges should have some background in the science behind the challenge (this year is Smart Move). Judges must commit to attending an hour-long training session in addition to the entire tournament day, starting with morning orientation and remaining through the closing ceremonies. All judges will be provided with a Judges' Handbook with current judging standards and awards descriptions.

Judge Assistants (15)

Judge assistants queue waiting teams in the judging area and make sure that the individual judging rooms stay on schedule. These volunteers get to experience the quieter side of the tournament and are invited to step into the judging areas to see a session or two. This is a great role for someone who is interested in judging, but not ready to jump into it quite yet.

Referees (8)

Referees must commit to a 1-2 hour training session before the event in addition to individual time spent reviewing the game rules before the competition. Referees must also commit to the full tournament day, arriving for the morning orientation and remaining through the closing ceremony.

Field Resetter (8)

Field resetters are responsible for resetting the table after each competition match. This volunteer needs to be familiar with the game rules and robot missions.

Timekeeper (4)

Timekeeper starts and resets clock for each match and monitors transition time to keep the tournament running on schedule.

Team Queuer (8)

These volunteers make sure that teams are ready to go in the competition area. This is a great way to be close to the robot action and have a chance to meet all the teams. Queuers are generally on their feet all day.

Scoresheet Runner (4)

Scoresheet runner takes the scoresheets from the referee to the scorekeeper at the end of each match. This is a great role for younger volunteers that aren't on a team but want to be close to the action!

Score Keeper (2)

This volunteer calculates team scores for each match based on scoresheets filled out by the referees. It would be great to have someone who is spreadsheet & number savvy for this role!

Pit Manager (1)

This volunteer is the key to keeping the tournament on schedule! He/She needs to be a strong leader with great organizational skills. This person will coordinate with the Head Team Queuer and the Judging Assistants, with the help of the other queuers and pit runners, to get all the teams where they need to be at the right time. This position should be filled with someone who has experience volunteering at an FLL tournament.

Pit Runner (5)

These volunteers need to wear their sneakers and be ready for a long day on their feet! The pit runners assist the pit manager with helping teams get to the right place at the right time. This is a great way to get to know the teams and get a complete tournament feel—perfect for a first time volunteer!

Practice Table Manager (8 – 2 shifts of 4)

These volunteers will monitor the practice tables in the pit area to ensure that all the missions remain in tact and participants are following FLL Core Values while using the table. This is a great role for a parent and/or first time volunteer.

Registration (4)

These volunteers help at the beginning of the tournament to sign teams in, collect participant forms and explain the schedule and pit area map to teams.

Info Table (2)

These volunteers are available throughout the day to provide programs, schedules and general information on FLL to spectators, VIPs and media representatives. This table will also serve as lost and found and have basic medical supplies for the event.

Play-by-Play Announcer (2)

This person is the visible, audible host for the event and should be well-spoken, enthusiastic, and have knowledge about FIRST Lego League and the season's Challenge and its rules. The Emcee should be particularly familiar with FLL Core Values and communicate those throughout the day and must have a LOT of energy!

DJ (1)

The DJ keeps the energy of the tournament going by playing high-energy, age-appropriate music throughout the tournament. The DJ will work with the technical director and the emcee to coordinate music with announcements. The DJ is also responsible for bringing a recording of the national anthem for the opening ceremony.

Opening Ceremonies Greeter (4) / Closing Ceremonies Greeter (4)

These volunteers will help with crowd control and guiding teams and spectators to seats for the opening and closing ceremonies. No experience needed!

Photographer (1) & Videographer (1)

We want to document these great events! Unfortunately, the lighting in the tournament area makes this a rough role for an amateur. Please let us know if you have experience and can help! Ideally, we'd like to make videos & photos of the event available for sale to help raise funds for next year.