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Inside Highlights

- SAME E-Week**
- Scholarships.....1
 - Science Fair Winners.....2
 - March Meeting.....3
 - Feb Mt Highlights.....4
 - Young Members
 - Events.....5
 - SAME Camps6
 - Atkins Scholarship.....7
 - Sustaining Members/
Coming Events List.....8

Find Out More:

www.same.org
www.samejax.org

Streamer Grand Slammer & South Atlantic's Distinguished Post

EngAffect

Jacksonville Post

Affecting the Future through Engineering Partnerships

Jax Post Supports Engineering Future Through Scholarships

One of the most significant ways the Jacksonville Post promotes the future of engineering is through the scholarships awarded during the Engineers Week Kick-Off Luncheon and sponsoring the U.S. Army Corps of Engineer's Career Day.

During the 2012 kick-off event, held on February 17, 2012 at the University of North Florida (UNF) Center Banquet Hall, Jax Post awarded three deserving students.

More than 160 persons attended the kick-off event. Joe Cassidy, President of the Jacksonville Chapter of ASCE welcomed everyone and gave some brief remarks. Robert Jackson, 2012 Engineers Week Chairperson, provide remarks and introduced Joe Beck, Deputy Director of Public Works, City of Jacksonville and presented Mayor Joe Brown's Engineer Week Proclamation. This led up to the presentation of over 40 scholarships. Lauren Borochaner, Chairperson of the Jacksonville Post Scholarship Committee, presented the three SAME scholarships.

Mike Butler, Jr., served four years in the Marine Corps, earning the rank of E-5/ Sergeant. He is currently a junior studying building construction at UNF with plans to be a part of a design-build firm and take the Florida General Contractor's license exam.

Eric Boehringer is a junior at UNF majoring in Mechanical Engineering. While on active duty in the U.S. Navy,



ENGINEERS WEEK® 2012



Lauren Borochaner,
Jacksonville Post
Scholarship
Committee Chair

he completed his AA degree. He plans to pursue a career in the power generation field and earn a master's degree in his field.

The high school recipient is **Lindsey June Mitchell**, a senior at Allen D. Nease High School's International Baccalaureate Program, and is ranked in the top 1% of her class. She is a National AP Scholar with Distinction, a member of several honor societies and the 2011 St. Johns County recipient of the American Youth Character Award. Although she has not finalized her college selection, Lindsey intends to major in Chemical Engineering with a concentration in Applied Mathematics. Her favorite high school activities are Marching Band, Mu Alpha Theta competitions, and Varsity Soccer.

Congratulations to all!^

SAME Junior and Senior Engineering Winners will Compete at State Level Students Continue to Enthral with Science Fair Projects

By Al Walker

Bill Schaefer, USACE, and Al Walker, USACE, participated as SAME special awards judges at this year's Northeast Florida Regional Science and Engineering Fair held at the Morocco Shrine Auditorium on February 13, 2012.

This year's regional fair drew more than 400 juniors and seniors from the northeast Florida area. There were 25 middle and high schools represented by these students. Bill and Al reviewed senior and junior presentations and exhibits in the Engineering and Physics divisions.


The degree of preparation and knowledge exhibited by these students made it hard to narrow the choice down to the top senior and top junior in each category. However, after time spent with the budding scientists and engineers the final four chosen were:

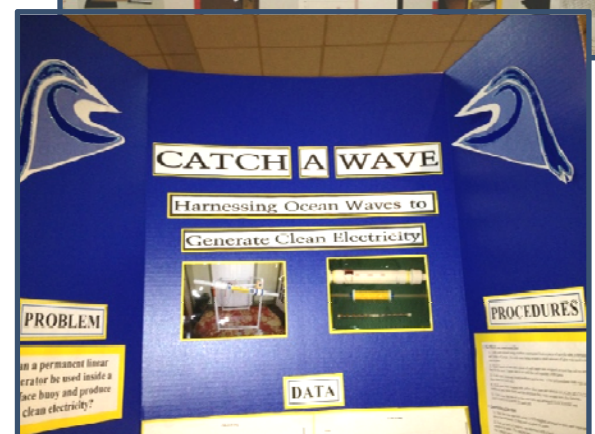
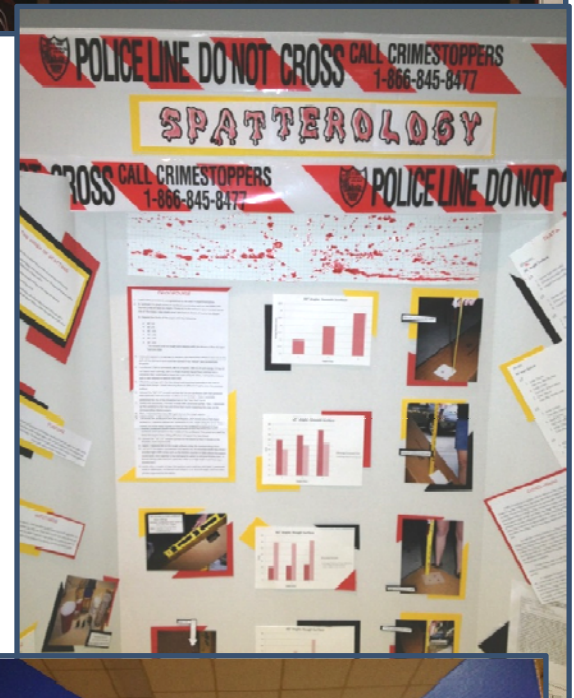
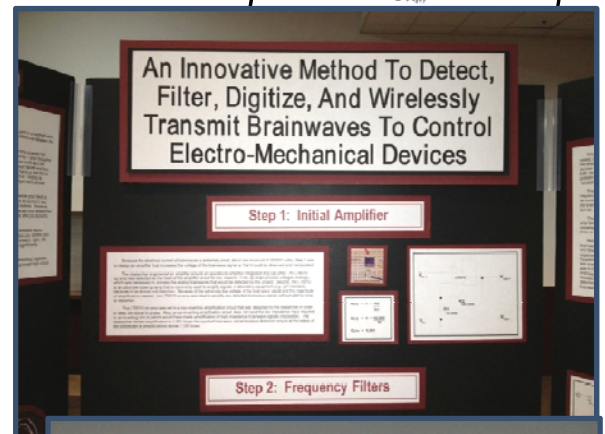
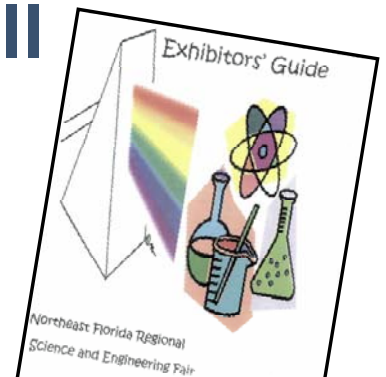
Junior Engineering – Lauren Whaley from James Weldon Johnson Middle School with "Catch A Wave", an engineering design to capture wave energy as electricity.

Senior Engineering – Rory Petersen from Darnell-Cookman High School with "An Innovation That Detects, Filters, Digitizes, And Wirelessly Transmits Brainwaves To Control Electronic-Mechanical Devices", a demonstration of how to capture electrical impulses from the brain to activate motors.

Junior Physics – Sarah Lendvay from St. Joseph Catholic Middle School with "Spatterology", a study of the impact characteristics of droplets (i.e., blood) to determine cause and effect.

Senior Physics – Patrick Glover from Bolles School with "Building A Better Spectrophotometer: The Effects Of Varied Aperture On The Accuracy Of A Single-Wavelength Spectrophotometer", an attempt to refine the accuracy and reliability of data from a spectrophotometer for potential use in identifying liquids.

Each of these four students as well as all of the participants in this year's competition is to be commended on their efforts. The four finalists were personally presented with a certificate and a check for \$50 from the Jacksonville Post Society of American Military Engineers during the Northeast Florida Regional Science and Engineering Fair awards ceremony by Bill Schaefer. 



March Opportunity

Network with SAME, ASCE and FES!

DATE: Wednesday, **March 20**, 2012


LOCATION: Latitude 30 –
10370 Phillips Highway
Jacksonville, FL 32256
Phone: 904-365-5555

AGENDA: 11:30 – 12:00 noon --Registration
and Social Time
12:00 – 1:15 p.m. Lunch/Program

TOPIC: JAXPORT Facilities Overview and
Update

COST: \$17.00

MENU: Little Italy Buffet to include:
Mixed Green Salad, Homemade Salad
Dressing, Focaccia Bread, Chicken Parmesan
w/Marinara Sauce and Angel Hair Pasta,
Meat Lasagna Layered with Sausage,
Ground Beef and Italian Cheeses,
5 Layered Chocolate Cake,
NY Style Cheesecake,
Rolls, Butter, Coffee (Regular and Decaf),
Ice Tea, Lemonade

RESERVATIONS RSVP to Darrell Setser
at dmssetser@tecinc.com by **noon, Friday,
March 16, 2012**. No reservations will be
taken after 12 noon on March 16th. No walk-
ups will be admitted, you **MUST** have a
reservation. No-shows will be billed for the
meal. We had over 10 no-shows for the
February 22nd luncheon that SAME had to pay
for. 


SPEAKER



Joe Miller, Colonel, US Army
(Retired), Senior Director,
Facilities Development
Engineering and Construction
Department, Jacksonville Port
Authority

Registration Now Required for Joint Meetings at Latitude 30

Joint SAME, FES, ASCE luncheon meetings are now being held at Latitude 30 at 10370 Phillips Highway in Jacksonville, Florida (close to I-95 and the Avenues Mall).

With the recent changes in Latitude 30's policy on walkups, it has been decided that we will not have any sign ups at the meeting. We regret this change but that is our new policy. Members are reminded that they **must register** for the luncheons in advance, or they will be turned away. We regret this policy but have no choice since Latitude 30 has stated that they will only prepare meals for the guaranteed amount. It is a restaurant, however, we order specific meals and Latitude 30 prepares for our menu and guarantee. 

CAPT Edelson Discusses Design and Construction in Afghanistan

CAPT John Heinzl, CEC, NAVFAC Southeast, President, Jacksonville Post presided over the luncheon meeting on February 22, 2012 with over 70 persons in attendance. CAPT Heinzl provided the SAME announcements and introduced the luncheon speaker, CAPT Mark Edelson, CEC, USN, Operations Officer for NAVFAC Southeast.

CAPT Edelson executes construction and other public works services for the Navy, Marine Corps, and Air Force in the southeastern United States and the Caribbean. He previously directed the \$6.8 billion construction program that NATO and the United States are conducting on behalf of the Afghan National Army. CAPT Edelson holds a B.S. in Civil Engineering from the Massachusetts Institute of Technology, a M.S. in Civil Engineering from Stanford University, and is a Professional Engineer in Virginia.

CAPT Edelson provided a presentation on "Design and Construction in Afghanistan". He specifically discussed the Afghan National Security Forces (ANSF) Infrastructure Program. The ANSF is an \$11.3 Billion program from 2006 to 2012. When he was in Afghanistan, he managed a \$2.6 Billion program during 2011 with over 250 projects.

The Afghan National Army (ANA) program will support 195,000 soldiers in 25 Brigades and 3 Air Wings. Besides barracks, dining facilities, maintenance bays, and warehouses, it also included various support construction involving schools, depots, hospitals and the Minister of Defense HQ. This was permanent construction that is to be occupied for the next 20 years. It was built to simplified U. S. standards and eventually standardized to Arch-Span construction. The engineering and contracting activities included USACE with 2 Districts (AED-N and AED-S). USACE had 1,000 employees that provided full engineering, legal, environmental and



contract staff. The other agent was the Air Force Center for Engineering and Environment (AFCEE). Air Force engineering, legal and contracts came from San Antonio, TX. There was a small Afgan presence that included liaison and project planning. The Arch-Span construction reduced construction time by up to 50%. There were some temporary facilities. Construction also involved sewer systems, power plants, etc that were built throughout the country. A reclaimed water system was used for irrigation purposes at many bases.

CAPT Heinzl presented CAPT Edelson with a Jacksonville Post Coffee Mug at the conclusion of the program. 🇺🇸

Young Member Events Update

January 26 – 28 -- Student Chapter President Hugo Lerma attended the **SAME Student Leaders Workshop** in San Diego, CA.

Wednesday, February 3 -- A **MFK event** was held on at the Haskell building. The kids were divided into four teams and challenged to make a bridge made of straws, tape and string capable of spanning at least a seven inch gap, supporting the largest load possible, while using as little material as possible. The winning team had a 19 inch bridge and was able to support four dollars worth of pennies while using the least amount of materials compared to their peers.

Thursday, February 16 – Student Chapter participated in the **UNF Spring Bash** with a booth set up to make students aware of the SAME opportunity.

Thursday, February 16 - **UNF Student Chapter/Young Member/Professional Social Event** held at Seven Bridges.

Friday, February 24 – Both the Army Corps of Engineers Engineering Career Day and SAME **Engineering Career Day** Student Luncheon continued to encourage engineering interest.

Saturday, April 7 – Volunteers are needed for the upcoming **UNF/SAME Mini Concrete Canoe Competition** to be held at the UNF College of Engineering Building - Time TBD. Also, looking for volunteers to mentor participating schools.


Thanks to Wendi Leanhardt and Lee Alford for volunteering at Orange Park and Creekside. Still



A student tests his canoe at a recent UNF/SAME Mini Concrete Canoe Competition


looking for volunteers for Clay, Raines, Ribault, Yulee high schools and Fathers Harbor and Trinity Christian academies.

Thursday April 19 – Students and mentors, don't forget the **UNF Student Chapter/Young Member/Professional Social Event** at Seven Bridges from 6-8:30 pm.

In the Planning Stages – With the huge success of the SAME summer camps for high school age students, the Jax Post outreach and communication committee has decided to **plan/develop camp events geared towards middle school age kids** for the summer of 2013. 

Thank you 
Sustaining Members
for your Commitment

EngAffect welcomes
Jacksonville Post your contributions...

Deadline is the 18th of each month, subject to editing. Contact the Editor at the Corps of Engineers, P.O. Box 4970, CESAJ-ACE-IT, Jacksonville, FL 32232-0019; email at christina.m.swanson@usace.army.mil; or call (904) 232-3065. Jax Post Website: <http://www.samejax.com> Or <http://www.samejax.org> 



What are *YOU* doing this summer? Rev up your plans with the ...
**SAME Army, Navy, Air Force or Marine Corps
 Engineering and Construction Camp Experience...**
and let SAME help foot the bill!

What's Up...

❖ At SAME Engineering and Construction Camps, high school students from across the country learn engineering solutions and skills from professional engineers while getting a taste of what it means to work for and with the military services. These exciting week-long camps take place during the summer months in a variety of settings—the colorful Colorado Rockies, the beautiful Southern California Coast, the historic Mississippi Valley or the surrounding beaches of Jacksonville, North Carolina.

❖ Student must have expressed an interest in pursuing a degree in engineering, architecture or related field.

❖ SAME Jacksonville Post will fund transportation cost and one-half the registration fee (1/2 of \$550) for USAF, Navy and Marine Corps Camps, Post will fund transportation cost for US Army Camp (student funds \$50 registration fee).

How To...

Submit all applications to Jax Post representative:
 Lauren Borocharner, P.E.
 SAME
 701 San Marco Blvd.
 Jacksonville, FL 32207

(904) 232-1122

Engineering and Construction Camps 2012

Application Guidelines at www.same.org/camps

CAMP	LOCATION	DATES	JAX POST APP DEADLINE	ELIGIBLE
US Army	Vicksburg, MS	10-16 June	16 March	Rising Junior or Senior
US Air Force	Colorado Springs, CO	6-12 July	20 April	Rising Sophomore Junior, Senior (plus interest in applying to service academy or ROTC program)
US Navy Seabees	Port Heuneme, CA	22-28 July	4 May	Rising Sophomore Junior, Senior
US Marine Corps	Camp Lejeune, NC	17-23 June	6 April	Rising Sophomore Junior, Senior



Above and Right: 2008 Summer Camp Selectees-- "Whoops...there goes the beam" exclaims Connor White!

Joel Torres and his team work on their beam assignment.

New Scholarship Opportunity: The Atkins Scholarship

During the meeting, Eugene Yerkes from Atkins, a Jacksonville Post Sustaining Member, and one of the world's leading engineering and design firms, presented CAPT Heinzl with a \$5,000 check from Atkins for the Jacksonville Post Scholarship Fund. This will be known as the "Atkins Scholarship" to go to a dependent of a Jacksonville SAME Post member who is a college student and is studying to be an engineer.

Thank you, Atkins, for your generous support. ^



Eugene Yerkes, left, representing Atkins, presents Jax Post President, CAPT Heinzl, with \$5,000 scholarship fund check.

UPCOMING...

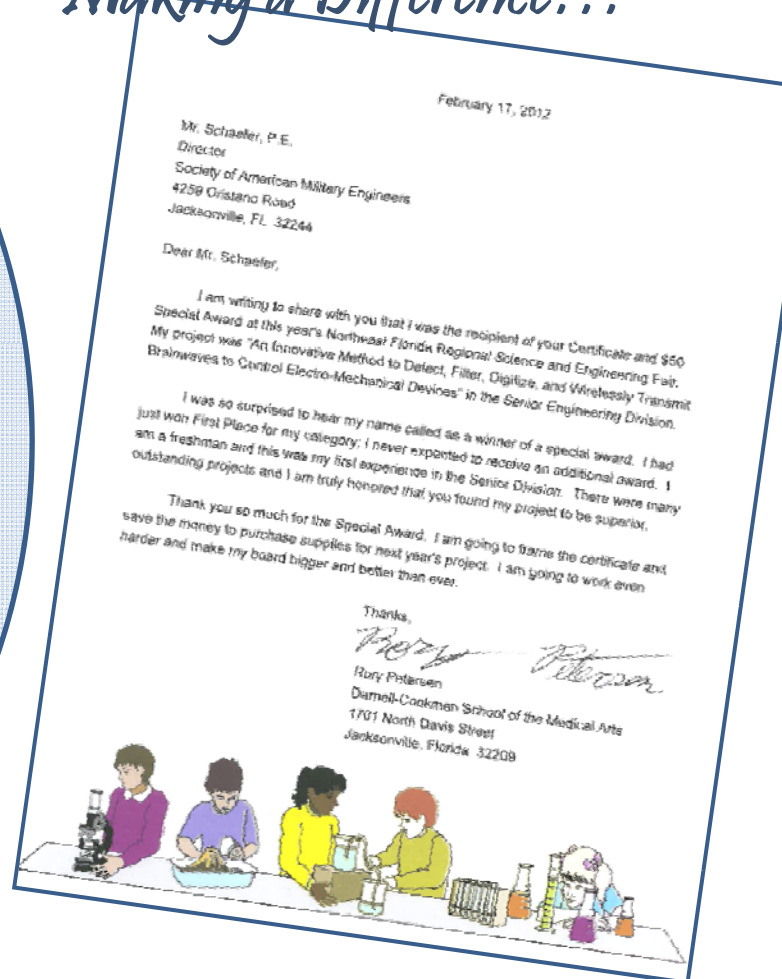
2014 JETC

May 20-23, 2014

Rosen Centre Hotel and Orange County
Convention Center
9840 International Drive
Orlando, FL 32819

YOU are cordially invited to be a part of this huge event by volunteering and making a difference! Contact Ron Hilton, 2014 JETC Overall Chair or Lee Swain, Sponsorship and Exhibition Hall Chairs for how you can help!

Making a Difference...



AECOM
Aerostar Environmental Services
Aerotek, Inc.
AKEA, Inc.
AMEC Earth & Environmental
American Fidelity Group Applied
American Patriot Construction, Inc.
Applied Software
ARCADIS
Architects Design Group
ASSET Group
Atkins
AVCON, Inc.
Ayres Associates
Balfour Beatty Construction
Barton Malow Company
Baslee Engineering Solutions, Inc.
Battelle
Bauer Foundation
Bergmann Associates
Bhate Environmental Assoc. Inc.
Brasfield & Gorrie, LLC
Brown and Caldwell
Bums & McDonnell
CAD Concepts, Inc.
Cardno TBE
Cardo ENTRIX
Carothers Construction, Inc.
Castle Engineering, LLC
CCI, Inc.
CDM Federal Programs Corps.
CEMS Engineering, Inc.
CH2M Hill
Charles Construction Group LLC
Charles Perry Construction
Civil Services, Inc.
Conti Federal Services, Inc.
Cooley, Dennis and Denmon Engineering, Inc.
CORE Engineering and Construction, Inc.
CTI and Associates, Inc.
DCK Worldwide
Dial, Cordy & Associates, Inc.
Dyer, Riddle, Mills & Precourt, Inc.
EAC Consulting, Inc.
ECC
ECS Group
Elkins Constructors, Inc.
EMCOR Government Services, Inc.
Energy Systems Group
Environmental Consulting & Technology, Inc.
Environmental Heritage Investors, LLC
Environmental Services, Inc.
FLUOR
Fugro Consultants, Inc.
Gannett Fleming, Inc.
Gate Precast
GCR, Inc.
GEC, Inc.
GeoSyntec Consultants
GLE Associates, Inc.
Golder Associates, Inc.
Government Services Integrated
Process Team LLC
Greenhome & O'Mara, Inc.
Greenman Pedersen, Inc. (GPI)
Ground Hound Detection Services, Inc.
Harvard Jolly Architecture
Hatch Mott MacDonald
HDR
HNTB
Huryn Justice General Contractors
Islands Mechanical Contractor (IMC).
J2 Engineering, Inc
Jacobs
JMZ Group, LLC
Jones Edmunds & Associates, Inc.
Keville Enterprises, Inc.
Kiewit Federal Group



2012 Jax Post Joint Luncheon Schedule

Date	Host	Topic
March 20, 2012	SAME	JAXPORT Overview Update
April 17, 2012	ASCE	
May 15, 2012	FES	
June 19, 2012	SAME	

New joint luncheon location: Latitude 30, 1-95 & Phillips Highway (US 1), 10370 Phillips Highway, in the Latitude Live room. Joint luncheons begin at 11:30 a.m. with lunch served around noon. The cost will remain the same \$17.00/person, **except when SAME is the host**, the cost will be \$10.00/person for Jax Post SAME Public Agency members (Navy, COE and COJ) and Jacksonville Post members of the UNF Student Post.

Special Events

July 2012 SAME Installation of Officers & Directors Dinner (TBD)

Field Chapters San Juan, Puerto Rico ♦ GITMO
Student Post University of North Florida

Kira, Inc.
Leo A. Daly
LG2 Environmental Solutions, Inc.
Lowe Engineers
MacDonald-Bedford LLC
Manhattan Construction Company
Mason & Hanger
Meskel & Associates Engineering
Michael Baker Corporation
Moffatt & Nichol
MWH
NAVFAC Southeast-Jacksonville
Neel-Schaffer, Inc.
Nobles Consulting Group, Inc.
Northrop Grumman
Odebrecht Construction, Inc.
Onyx Construction, Inc.
Parsons
PCL Construction Services, Inc.
Persaud Companies, Inc.
Pond & Company
Premier Communication Group, Inc.
Procurement Technical Assistance Center
Professional Services Industries, Inc.
Project Time & Cost, Inc.
R2T
Reynolds, Smith & Hills, Inc.
Robert L. Bowen & Associates, Inc.
R L Campbell Management Services, Inc.
Royal Concrete Concepts

Sauer, Inc.
Science Applications International Corp
Scif Global Technologies
Shannon and Wilson, Inc.
Siemens Industries, Inc
Singhofen & Associates Inc.
Southeastern Archeological Research, Inc.
Stanley Consultants, Inc.
Stellar Construction Company, Inc.
Suffolk Construction Company, Inc.
Taylor Engineering, Inc.
TEC Inc.
Tetra Tech
The Atlantic Group, LLC
The Crom Corporation
The Haskell Company
The R-A-M Professional Group, Inc.
The Shaw Group, Inc.
The Walsh Group
TLC Engineering
Transystems
URS Corporation
Van Wagenen and Beavers, Inc.
VHB/Vanasse Hangen Brustlin, Inc.
VoltAir Consulting Engineers
Weston Solutions, Inc.
Wolverton & Associates, Inc.
Woolpert
Zyscovich Architects, Inc.