Society of SAME American Military Engineers

An Original Post, Chartered in 1920

Vol. 53 No. 1

January 2013

Streamer Grand Slammer & South Atlantic's Distinguished Post

EngAffect Jacksonville Post

Affecting the Future through Engineering Partnerships

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Inside Highlights

2012 Review.....1
January Mtg.....2
Jax Post Supports Osprey Team Event.....3
December Mtg Highlights.....5
Trivia Night Benefits Wounded Warriors.....6
Joint Engineering January Social.....7
SAME 2013 Events.....8
SAME Continuing Education.....9
E-Week 2013.....10
Sustaining Members/ Coming Events List...11

Find Out More:

www.same.org
www.samejax.org

Here's to a Productive 2012...

A Quick Review of 2012









2012 was a very good year spreading the engineering message: *from top, left, clockwise*: Dwyn Taylor takes over as new Jax Post president; Wendi Leanhardt explains an activity to Mentoring Families and Kids participants; Concrete Canoe Competition; Engineering Career Day.



Above: During the JETC 2012 Post Awards the entire South Atlantic Region Streamer Winners are on stage with CAPT John Heinzel (*3rd from right*), ADM Mossey (*far left*), and Diana Dawkins (*HQ SAME, far left at podium*).

January Opportunity

DATE: Wednesday, **January 23**, 2013

LOCATION: Ramada Inn –Mandarin
3130 Hartley Road
Jacksonville, Fl 32257

AGENDA: **1130 - 1200 Registration and Socializing**
1200 - LUNCH

TOPIC: **Jacksonville Harbor Mile Point Navigation Project**

Mile Point is located approximately four miles west of the Atlantic Ocean along the St. Johns River just east of the confluence of the St. Johns River and the Intracoastal Waterway (IWW). The project purpose is to address difficult crosscurrents exiting the IWW into the St. Johns River and the federal navigation channel. The U.S. Army Corps of Engineers proposes to reconfigure the existing training wall and redirect the crosscurrents to be more in line with the St. Johns River and the federal navigation channel. The presentation will provide an overview of the project aspects including engineering and environmental features and current status.

SPEAKER



Steve Ross
Senior Project Manager
U.S. Army Corps of Engineers
Jacksonville District

COST: $17.00 ($20 w/o reservation)

MENU: Chicken Parmesan, Oven Roasted Vegetables, Fettuccini, Apple Pie Ceasar Salad, Rolls, Butter, Coffee, Tea, Lemonade

RESERVATIONS: *RSVP to Ron Hilton, rhilton40@att.net by noon, **January 18 , 2012.*** Please make your reservation if you are planning on attending. Walk-ups will pay $20.00. Please provide exact amount when paying cash and if paying by check make the check payable to "SAME" **.**

PROFESSIONAL DEVELOPMENT HOURS (PDH)

This luncheon will earn 1 PDH. For Florida Professional Engineers, if you desire PDH credit, please provide your name as it appears on your PE License (first. middle initial, last) and your Florida Professional Engineer License number when you make your reservation in order to get the 1 PDH credit. As you know, there is no self reporting in Florida. A PDH certificate will be provided for other states for attendees to pick up.

Jax Student Chapter Builds Aircraft, Competes in Famous Flugtag Event

By Christina Swanson, Editor

The SAME Jacksonville Post recently helped members of the University of North Florida's (UNF) Student Chapter achieve one of man's eternal dreams--human flight--by sponsoring their participation in the famous Red Bull Flugtag (flying day) Miami glider competition.

With competitions scheduled world-wide, UNF/SAME's involvement in this extreme event took place at downtown Miami's Bayfront Park on November 3, 2012. Ninety-thousand people viewed the 30 teams' hand-built aircraft that were judged not only on the length of their flight but on the creativity and originality of the aircraft itself.

But we're getting way ahead of the true feat — designing and building a unique glider from scratch in less than two months time.

Every aspect of the design and construction, from crafting the wings out of pine, foam, and cotton cloth and spraying with polycrylic, to building the red-oak fuselage and welding its supports, was an extracurricular challenge that tested the students' engineering know-ledge along with their team-building skills.

Continued on Page 4



Crafting Ozzie's wings.



Pilot Brock Pickett shows off "Ozzie" at Miami's Bayfront Park prior to testing her glide length at the Red Bull Flugtag Competition.

Jax Student Chapter Builds Aircraft, Competes in Famous Flugtag Event

Continued from Page 3

"Many long nights were spent constructing the glider, even down to the day of the event," said Gabriel Todaro, Jax Post Student Chapter Secretary. He estimates that it took at least 500 man-hours to complete while the team learned a lot about basic aerodynamics and the UNF technical laboratory.

Joining Todaro on those late evenings were the other members of the Osprey Team, (all UNF students and Jax student chapter members): Jason Quijano (team captain and chapter president), Samuel McMullen, Jean Paulo Magat (chapter treasurer), Michael Hersberg, Brock Pickett, Juan Becerril and Tyler Bailey.

Jax Post and UNF mentors also aided in the challenge as unofficial Osprey Team contributors. Mike List played a large role in designing the aircraft, UNF's fabrication laboratory tech Jean Loos taught the students the proper way to use the machines and tools, Samuel McMullen provided his spray-painting genius while Vivian Schneider built Ozzie's head out of paper-mache. Behind the scenes were Mark Tumeo, who helped with funding, and SAME representatives Tim Gysan, SAME Leadership and Mentoring Committee Chair and Dr. Christopher Brown, faculty sponsor, who provided support.



Working on the fuselage are Juan Becerril, left, Brock Pickett, and Sam McMullen.

During the day of the event, the Osprey Team got to show off their aircraft to the public, even down to wearing Osprey masks and wings to rev-up the crowd and personify their osprey nature.

Continued on Page 5



Ugghh...getting up the platform to test Ozzie's flight distance at the Red Bull Flugtag.



Right: The Osprey Team are all members of the UNF Jax Post Chapter.

Ramos Shares Roofing System Strategies, Pond Earns SAME Award

Dwyn Taylor, Vice President, Stellar Commercial, and President, Jacksonville Post, presided over the luncheon meeting on December 12, 2012, with 28 persons in attendance. Taylor welcomed everyone and led the group in the pledge of allegiance to the flag and John Adams, Taylor Engineering, provided the invocation.

After a great lunch, Dwyn Taylor presented Michael Panczykowski, AIA, Senior Vice President with Pond and Company, the 2012 Jacksonville Post Medium Sustaining Member firm award. Pond and Company was founded in 1965. It is a full-service architecture and engineering consulting firm providing architecture, engineering, planning, construction and construction management services to government, corporate and private sector clients throughout the world. You can go to www.pondco.com for additional information.

Taylor then introduced the speaker, Raymond Ramos, President, Atlanta Post SAME, and President and Founder, Raymond Engineering in Conyers, GA. The title of his presentation was "Roofing: the Good, the Bad and the Ugly" and primarily reviewed issues that Raymond Engineering has seen on roof systems due to design, construction and maintenance problems.

The Department of Defense has millions of square feet of roofing on it's installations throughout the world. Yet, all too often, they are only of interest when they start to leak, usually at the most inappropriate time and at the most inconvenient places in the building. Factors that affect the performance of roofs include design or lack thereof, installation, lack of maintenance, abuse, or issues that are the result of a change in the use of the building.

The presentation showed what can go wrong with a roofing system, why it occurred, and what could have been done to mitigate/prevent it from occurring. The presentation did not get into a lot of details as to the solutions, with the purpose being to make everyone aware of what can happen with roofing assemblies

Ramos concluded his remarks and answered several questions from the audience. He was presented a SAME mug by President Taylor as appreciation.



Raymond Ramos, President, Atlanta Post SAME, shares roofing system strategies.



Jax Post President Dwyn Taylor, left, presents Michael Panczykowski, AIA, Senior Vice President, Pond and Company, the 2012 Jacksonville Post Medium Sustaining Member firm award.

Trivia Night Benefits Wounded Warriors

The first ever SAME/CMAA Trivia Night brought together Jacksonville Post professionals, young members and UNF student chapter members for a very successful mentoring experience. Donations were collected from attendees to benefit the Wounded Warrior Project.

Eight teams of four competed in the trivia competition. The pace of the trivia event gave the perfect opportunity for students to speak with the Post professionals to gain insight into life after college.

The members of the winning team, lead by UNF Professor and SAME Student Chapter faculty advisor Dr. Chris Brown, each took home $25 gift cards. The event raised $150 towards the Wounded Warrior Project.



Strategy....strategy...



The winning team is all smiles...



Hurry, I know I know that answer....

Jax Student Chapter Competes in Flugtag Event

Continued from Page 5

Like typical flight engineers, the team's goal was focused on distance traveled, and they flapped their wings in glee when learning they had finished in the top ten in this category. Overall, the Osprey Team finished tenth in the competition flying 36 feet (measured where the pilot lands) which was about the sixth farthest flight and with average marks in creativity, scoring a 5.25 (out of 10).

"We could have flown father if a gust of wind hadn't caught one side of the glider which caused one side to lift out of the wheel base resulting in the craft coming off the platform at an angle instead of being level," said Todaro." Although it was designed to be fairly self-correcting and manages to level itself back out, by that time it is too late and our pilot wisely decided to abandon ship." There were a lot of lessons learned creating the craft from wing positioning including angle of attack and dihedral and the importance of precision in weight distribution when building the aircraft.

"The greatest lesson learned is that the most important part of the contest is just getting the craft off the platform correctly," said Todaro. "We built the wheel assembly last, at the last minute, and this was our downfall."

"The entire process turned out to be a great journey of discovery and we were proud to be a past of such a historic contest," said Todaro. It was mind-bending to go from 'winging it' to 'this might actual fly' to taking off!"

Joint Engineering Society January Social!



This month featuring Engineers Without Borders!

JANUARY 24th: Mellow Mushroom in Tinseltown!





5% of all sales goes towards Engineers Without Borders fund raising efforts. LOTS of drink and food specials!!

SAVE THE DATES:

February 13th: E-week Happy Hour - Whisky River

March 21st: World of Beer

April 18th: Possible Riverside Pub Crawl

Please note that it is not necessary to be a society member, engineer, or younger member to participate. Everyone is welcome! Come out, bring friends, have a great time, and meet new people!

2013 Calendar of Events



January 2013

Post Leaders Workshop — **January 24-25, 2013**
Renaissance Glendale Hotel & Spa
9495 W. Coyotes Blvd.
Glendale, AZ 85305

Student Leaders Workshop — **January 25-26, 2013**
Renaissance Glendale Hotel & Spa
9495 W. Coyotes Blvd.
Glendale, AZ 85305

February 2013

Transition Workshop & Job Fair — **February 7-8, 2013**
Embassy Suites BWI
1300 Concourse Dr.
Linthicum, MD 21090

2013 Pacific and Northwest Joint Engineer Training Symposium (JETS) — **February 27 - March 1, 2013**
Hosted by SAME Anchorage Post
POC: Alan Quesnel
Anchorage Alaska

March 2013

DOD and Federal Agency FY14 Program Briefings — **March 26, 2013**
Bethesda MD

Fellows Luncheon and Investiture — **March 27, 2013**
Bethesda North Marriott Hotel, Bethesda, MD

April 2013

International Business Opportunities Webinar Series — **April 9-19, 2013**
Virtual

Continuing Education Program — **April 29-30, 2013**
POC: Belle Febbraro
Millenium Seoul Hilton, S Korea

May 2013

Pacific Joint Engineer Training Symposium — **May 1-3, 2013**
POC: Ann McLeod and John Hawthorne
Millenium Seoul Hilton,
S Korea

SAME Joint Engineer Training Conference & Expo — **May 21-24, 2013**
Co-Hosted by SAME HQ and the San Diego Post
San Diego Convention Center

July 2013

Rocky Mountain SAME Joint Engineer Training Symposium — **July 23-25, 2013**
Hosted by : SAME Denver Metro, Frontier and Pikes Peak Posts
POC: Cindy Lincicome 303-319-0190
Jim Brackett 719-596-8114
Denver, Colo

August 2013

Post Leaders Workshop — **Aug 6-8, 2013**
Embassy Suites Alexandria
1900 Diagonal Rd.
Alexandria, VA 22314
POC: Kashae Williams
Diana Dawkins
Alexandria, VA

SAME/DBIA Federal Project Delivery Symposium — **Aug 20-22**
Capt. Michael Blount, P.E., F.SAME, USN (Ret.), Balfour Beatty
Gaylord National Convention Center
Nat'l Harbor, MD

EngAffect Jacksonville Post *welcomes 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*

DOD Specific Continuing Education In Your Area

Looking for educational opportunities closer to home? The SAME Continuing Education Program may have just what you need!

In an effort to bring timely educational opportunities direct to members, SAME Posts and Military Installations may select courses of specific interest to their local members and serve as the host for the training. SAME HQ does the rest, bringing high-quality education direct to members.

SAME has planned a vast array of continuing education courses for 2013—all geared to provide in-depth information for professionals working in the DOD marketplace. In addition, SAME has six courses offered through our Strategic Partners including the Design-Build Institute of America (DBIA), the Construction Management Association of America (CMAA), and the Society for Marketing Professional Services (SMPS). All courses provide PDHs and many provide additional continuing education units or learning units that have been approved by other organizations and certification programs.

Posts or Installations may select one course or several courses. The benefit is that local members get access to education that meets their specific needs—and they get it at a location that is conveniently located near their home or office.

Posts or Installations interested in hosting educational sessions can contact Belle Febbraro, SAME Webinar and Course Manager, at 703-924-2616 for assistance in providing the following courses.

2013 SAME Courses

Competing Successfully for DOD Architect-Engineer Contracts

1 Day, 8 PDHs, 8 AIA LUs

Get an overview of the DOD A/E Evaluation and Selection Process with a special focus on key aspects of planning, preparing and submitting winning proposals. Whether a seasoned veteran of A/E contract competitions or new to the game, you can learn more about improving your chances of completing successfully.

Best Value Source Selection for DOD Projects

2 Days, 16 PDHs and 16 AIA LUs

Contracting and project management personnel will learn how to plan and execute from start to finish an effective and efficient Federal Acquisition Regulation (FAR) Part 15.3 best value source selection. Acquisition planning, market research, development of technical evaluation factors, subfactors and standards, and RFP structure are covered. The proposal evaluation process, exchanges with offers, debriefings and protest avoidance are also discussed as well as lessons learned from past source selections.

Early Contractor Involvement (ECI)

1 Day, 8 PDHs and 12 AIA LUs/HSW/SD

Enhance your understanding of: The adaptation of FAR Clauses 16.403-2 and 52.216-17 to construction including key terminology and concepts; structure of the bid schedule; calculation of the profit range and significance of initial target profit in the bid; recommended RFP evaluation criterion; expectations of all stakeholders during Design Phase (Preconstruction Services); negotiating Firm Target Price and Firm Fixed Price; Earned Value Management System requirements; and lessons learned thru all phases of project delivery.

Energy Management for DOD Installations

1.5 Days, 12 PDHs and 12 AIA LUs/HSW/SD

Strategies for DOD installation owners to improve energy usage, current DOD energy management policies, and goal and date reporting will be reviewed. Attendees will learn the best practices for creating energy and water saving opportunities at DOD installations, including renewable energy, energy storage and financing energy investments.

Increasing the Sustainability of Existing DOD Buildings

1 Day, 8 PDHs, USGBC Certified for 7.5 GBCI CE hours and 8 AIA LUs/HSW/SD

Recent Executive Orders require that 15 percent of the buildings currently owned by each federal agency and military service meet the guidelines for High Performance and Sustainable Buildings. This course gives facility managers, designers and facility engineers the tools needed to asses and implement sustainability and energy improvements at their facilities. The course uses the well-developed LEED for Existing Buildings Rating System as a framework for applying overall building sustainability.

Contracting and Ethics for Small Business

1 Day, 8 PDHs

Gain a better understanding of the government contracting process and learn the basics of contract formation. Attendees will better understand government contracts from the client perspective. Expect a comprehensive overview of the available avenues and advantages afforded to small businesses through set-asides and how to maximize that advantage. Ample time will be given for questions and answers. Practical exercises also will help bring all these concepts together to ensure attendees take back knowledge they can immediately put into place to assist with their marketing and teaming efforts. A guest speaker from a local firm will attend lunch.

Mentor-Protégé and Joint Venture Agreements

1 Day, 8 PDHs and 8 AIA LUs

This facilitated workshop will teach networking approaches for identifying and selecting teaming partners and teaming strategies for winning Federal Small Business Set-Aside contracts. Attendees will receive information on Mentor-Protégé and Joint Venture Agreements. Topics include the "matchmaking" aspect of business relationships, the components of a Mentor-Protégé Agreement following SBA guidelines, RFP requirements for long-term and sole-source contracts, and more. If you want to establish a Mentor-Protégé or a Joint Venture professional relationship, this hands-on course is for you.

Strategic Partner Courses

SMPS–The Basics of Business Development in the A/E/C Marketplace

1 Day, 6.5 PDHs, 6.5 CEUs

Gain the special skills, techniques and tools necessary to develop and maintain a successful business development program for your professional services firm. Enhance your performance, expand your knowledge and build a strong network of contacts.

SMPS–Managing and Leading a Successful Business Development Team

1 Day, 6.5 PDHs, 6.5 CEUs

Get proven management tools and business development (BD) strategies to generate more business for your firm. Whether you work for a one-office shop or global corporation, you will be able to identify BD potential in others, engage technical staff in BD strategies, motivate presentation teams and effectively manage client relationships. Designed for those responsible for the success of a BD plan or team.

DBIA–Fundamentals of Project Delivery

1 Day, 8 PDHs, 8 AIA LUs/HSW/SD

Obtain a general overview of the attributes of all the major project delivery systems, procurement methodologies and contracting approaches.

DBIA–Principles of Design-Build Project Delivery

1 Day, 8 PDHs, 8 AIA LUs/HSW/SD

Learn more about the use of design-build as a project delivery method, with a focus on essential concepts and characteristics, as well as critical elements of the RFQ/RFP process and overall project management.

DBIA–Design-Build Contract and Risk Management

1 Day, 8 PDHs, 8 AIA LUs/HSW/SD

Learn how to apply effective contracting language and insurance, bonding and surety products and strategies for successful design-build project delivery. The course emphasizes providing relevant legal, contracting, insurance and risk management knowledge—with strategies for applying this knowledge to the evaluation of your existing risk mitigation measures.

CMAA–Professional Construction Management Course

3 Day, 24 PDHs, 24 AIA LUs, 2.40 CEUs

Learn about construction management (CM) core competencies and CMAA's body of knowledge. This course will benefit anyone—from entry level to highly experienced—seeking to acquire sound basic CM skills, continuing education, or preparation for the CCM examination.

Interested in hosting a CEP course? Contact Belle Febbraro, SAME Webinar and Course Manager, at 703-924-2616 or bfebbraro@same.org.

E-Week 2013



01/19/13	Builders Care Event
02/09/13	Boy Scout Merit Badge Workshop
02/13/13	Happy Hour @ Whiskey River
02/15/13	E-Week Kick-off Luncheon and UNF Vendor Showcase
02/18/13	E-Week Golf Outing
02/22/13	Mathcounts Student Competition
03/02/13	Awards Banquet & Dinner Dance

For E-Week Sponsorship Package information,
please contact Brett Manzie, PE
Email: Brett.Manzie@CH2M.com
Phone: 904-527-5904

Please continue to check official Engineers Week website
at www.nefl-eweek.org for additional event information

Jacksonville Post Sustaining Members

Accutest Laboratories
AECOM
Aerostar SES LLC
Aerotek, Inc.
AKEA, Inc.
AMEC Environment & Infrastructure
American Fidelity Group Applied
American Patriot Construction, Inc.
ARCADIS/Malcolm Pirnie
ASSET Group
Atkins
AVCON, Inc.
Ayres Associates
Balfour Beatty Construction
Barton Malow Company
Baslee Engineering Solutions, Inc.
Battelle
Bauer Foundation Corp.
Bergmann Associates
Bhate Environmental Assoc. Inc.
Brasfield & Gorrie, LLC
Brown and Caldwell
Burns & McDonnell
Cardo TEC, Inc.
Cardno TBE
Carothers Construction, Inc.
Castle Engineering, LLC
CCI, Inc.
CDM Smith
CEMS Engineering, Inc.
CH2M Hill
Civil Services, Inc.
CORE Engineering and Construction, Inc.
CSA Group
CTI and Associates, Inc.
DCK Worldwide
Dial, Cordy & Associates, Inc.
Dougherty Sprague Environmental, Inc.
Dyer, Riddle, Mills & Precourt, Inc.
EAC Consulting, Inc.
ECC
Elkins Constructors, Inc.
EMCOR Government Services, Inc.
EnSAFE, Inc.
Environmental Consulting & Technology, Inc.
Environmental Services, Inc.
FLUOR
Fugro Consultants, Inc.
Gannett Fleming, Inc.
Gate Precast
GCR, Inc.
GEC, Inc.
GeoSyntec Consultants, Inc.
GLE Associates, Inc.
Golder Associates, Inc.
Government Services Integrated Process Team LLC
Greenhorne & O'Mara, Inc.
Greenman Pedersen, Inc. (GPI)
Ground Hound Detection Services, Inc.
Hatch Mott MacDonald
HDR
HNTB
Huryn Justice General Contractors
Islands Mechanical Contractor (IMC).
ITSI Gilbane
J2 Engineering, Inc
Jacobs
Jones Edmunds & Associates, Inc.
Keville Enterprises, Inc.
Kiewit
Kira, Inc.
LG2 Environmental Solutions, Inc.

2013 Jax Post Joint Luncheon Schedule

Date	Topic	Location
Jan 23	Jacksonville Harbor Mile Point Project	Ramada Inn-Mandarin
Feb 27	Military Projects throughout Southwest Asia	Ramada Inn Mandarin
Mar 27	TBD	
May 29	Readiness & Emergency Mgt	Ramada Inn Mandarin
Jun 26	TBD	
Aug 28	TBD (CMAA to co-host)	
Sept 25	TBD	
Oct 23	TBD (DBIA to co-host)	
Nov 27	TBD	
Dec 18	Breakfast Event TBD	

Special Events

Feb 22	Engineering Career Day	Prudential
May 2	Executive Forum	TBD
May 3	Jax Post Golf tournament	TBD
July 24	Installation of Officers/Dirs	TBD

See the complete schedule of events for 2013 on the web site.

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

Lowe Engineers
MacDonald-Bedford LLC
Manhattan Construction Company
Manson Construction Co.
Mason & Hanger
Meskel & Associates Engineering
Michael Baker Corporation
Moffatt & Nichol
MWH
NAVFAC Southeast-Jacksonville
NewFields Government Services, LLC
Nobles Consulting Group, Inc.
Odebrecht Construction, Inc.
Parsons
PCL Construction Services, Inc.
Pond & Company
Premier Communication Group, Inc.
Procurement Technical Assistance Center
Project Time & Cost, Inc.
Reynolds, Smith & Hills, Inc.
Richard L. Bowen & Associates, 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
Taylor Engineering, Inc.
Tetra Tech
The Atlantic Group, LLC
The Carol Group
The Crom Corporation
The Haskell Company
The R-A-M Professional Group, Inc.
The Shaw Group, Inc.
The Walsh Group
Timberwind Construction LLC
TLC Engineering
Transystems
URS Corporation
Van Wagenen and Beavers, Inc.
VoltAir Consulting Engineers
Weston Solutions, Inc.
Wolverton & Associates, Inc.
Woolpert
Zyscovich Architects, Inc.