

Describe any events and programs specifically designed for students and/or teachers K-12 that are not shown above. This can involve events such as conducting paper airplane contests, sponsoring essay contest, building flight demonstrations, providing scholarships, and having a mentor program. (max 500 words)

1. The section distributed "The General Chuck Yeagar Story" DVDs to Konawaena High in Hawaii, Sequoia Middle School in Newbury Park, Countyside Prep School in Northridge, Foothill Technology High School in Ventura, Waialua High and Intermediate School in Hawaii, and Chaminade College Preparatory in West Hills. Below is a letter distributed with the DVD.

The San Fernando Valley Section of the AIAA is proud to bring to your institution "The General Chuck Yeagar Story" DVD through our affiliation with the Engineers' Council. AIAA is committed to promote education in engineering and sciences by attempting to provide that spark of excitement in young minds, encouragement to think of possibilities rather than problems, and to dream the big dreams; for these are the people that will develop the vision for the future of mankind.

Thank you for being a part of the future. Please contact us if there are some programs that we may be able to help with. We are always looking for new ideas to get involved.

2. The section awarded a \$500 scholarship to Mr. Michael Konislian, with a major in Aerospace Engineering at North Hollywood High Magnet for winning the Essay Contest topic - Should we send someone to Mars? Mr. Konislian was also invited and accepted to be a guest at the Engineer's Week Awards Banquet hosted by the Engineers' Council.

EDUCATOR ASSOCIATE PARTICIPATION

Number of Educator Associates as of 31 Mar 04:

Explain how your Section recognizes the Educator Associates. Describe how the Educator Associates involve themselves with your Sections activities. Note their participation level with the Section. (max 500 words)

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ST. LOUIS

PRECOLLEGE

The **Harry Staubs Precollege Outreach Award** is presented to sections' that have developed and implemented an outstanding precollege (K-12) outreach program that provided quality educational resources for the Nation's K-12 teachers in the areas of science, mathematics, and technology.

Harry Staubs Award Precollege Outreach Activities

EVENTS

Date	Name	Speaker
25 Sep 04	Children's Carnival	
Speaker Affiliation:		
Meeting Type:		Other
If "Other", what type:		Booth
Attendance:		2000
Description of Event:		
<p>The St. Louis section purchased a booth at the Children's Festival held on Saturday, 25 September, in Edwardsville, IL. The carnival was very well attended, over 150+ contacts were made, and we distributed 50+ Educator Associate packets. The ping pong ball experiment to demonstrate Bernoulli's Law was set up for visitors to try. The kids enjoyed trying to move the ball from one glass to the next without using their hands - and were amazed when they did it! The new AIAA banner was hung behind the tented booth and flight videos played throughout the carnival. Tim Williams and Karen Copper hosted the booth.</p> <p>The children also enjoyed picking up AIAA Evolution of Flight posters, balsa flyers, foam shuttles, AIAA tattoos, Careers in Aerospace and sheets with numerous website relevant URLs, and Educator Associate packages were distributed at the event.</p> <p>Joint Sponsorship? With what group(s)?: Children's Museum, Edwardsville, Illinois</p> <p>Describe any publicity for the event:</p> <p>In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events. The following advertisement paragraphs were extracted from the Boeing News Now St. Louis editions. In addition, announcements for all PCO events were included in local community calendars on the St. Louis Post Dispatch web, http://www.stltoday.com/stltoday/calendar/pickers.nsf/SS/Home-Calendar?OpenDocument&from=20050319&to=20050523 and the local television station KMOV's website at http://www.kmov.com/community/stlcalendar_frameset.htm</p> <p>See flyer, http://mesun4.wustl.edu/~aiaa/cc2004.pdf</p> <p>Explain how this event supports Pre-College Outreach:</p> <p>The booth give the section an opportunity to reach out to the community - all ages. Our goal was to make contacts with educators as well as children. Many older people stopping by our booth picked up EA packets for their children or neighbors who are teachers. Scout leaders inquired about the section providing members to speak at den/pack meetings.</p> <p>Students were intrigued by the Bernoulli challenge of moving the ping pong ball from one glass to the other without using their hands.</p> <p>We also were introduced to Boeing employees who had recently been relocated to the St. Louis area. Our booth introduced this engineer to our AIAA section.</p> <p>It was great exposure for the section and also very fun.</p>		

Date	Name	Speaker
14 Dec 04	Women Engineers As Mentors	
Speaker Affiliation:		
Meeting Type:		Other
If "Other", what type:		Meet & Greet
Attendance:		83
Description of Event:		
<p>Fifty seven female high school students in their junior or senior year were invited to an AIAA "Meet & Greet". Twenty-three of the attendees were students in Mrs. Aurelia Weil's "Introduction to Engineering" class. The students were from the Cor Jesu and Incarnate Word Academies. The students were required to interview the women engineers to learn about education decisions, why they chose engineering as a career and what career opportunities they were experiencing.</p> <p>Twenty-two female engineers at Boeing volunteered to participate. Eight of these engineers are AIAA members. AIAA membership literature was given to the non-members and Educator Associate packages were given the the teachers who accompanied the students.</p>		

The students were distributed evenly among the engineers (no more than 3 students per engineer) and the dialog began. After an hour, the engineers moved to another group of students, so the students had the opportunity to learn of another engineers experiences.

The students and the engineers enjoyed the opportunity to discuss education and career decisions, gain advice, etc. This is an activity definitely worth repeating.

Cookies and soda/water were served.

Joint Sponsorship? With what group(s)?:

Describe any publicity for the event:

E-mail messages were sent to the math & science teachers at the two schools. AIAA members have daughters who attend the schools, so were familiar with the teachers.

Explain how this event supports Pre-College Outreach:

An important role we have as professionals is to mentor and develop those following in our footsteps - so they don't trip in the same hole in the road... Sharing insight from experience can help the students make better informed decisions. Working in the defense industry, one of the things we share with students is that the use of drugs can prevent them from obtaining a security clearance - which can impact what programs to which they could be assigned. Basically, choices made as a teen can have long reaching consequences as an adult...

The event was very supportive and encouraging for the students to continue their interests in math and sciences. Meeting a variety of professional women who are using their knowledge in math and science to do some awesome work was an inspiration to many of the students.

Date	Name	Speaker
27 Jan 05	Shadow Craft - A World of Secret Flight	Scott Miller
Speaker Affiliation:	AIAA Distinguished Lecturer	
Meeting Type:	Dinner Meeting	
If "Other", what type:		
Attendance:	115	
Description of Event:		
During the social hour, video presentations of student projects were on display.		
Each sponsoring organization welcomed the audience and shared any upcoming event information for their group. A table with membership information and displays were set up for folks to partake.		
Scott Miller presented his insights on Shadow Craft — A World of Secret Flight A great deal of aircraft development in America has taken place in secrecy. The U-2, SR-71 Blackbird, B-2 Spirit Bomber, and F-117 Stealth Fighter are some now high-profile examples of once hidden efforts. If you believe the recent and rampant rumors, there are more secret aircraft currently hiding in the shadows. The existence of these rumors, at minimum, provokes the public interest and generates lots of questions. For example, what goes on in "Area 51" and what specifically has happened or might now be happening in the secret or "black" world? What new technologies and missions are associated with the rumored planes, where are they built and based, and how many are operational? Is it actually possible to build a visually stealth airplane? Are some of the aircraft unmanned? Does the hypersonic vehicle popularly called "Aurora" really exist? There are obviously many questions, with elusive and interesting answers. The presentation will summarize many of the rumors and review publicly available evidence that suggests the existence of secret aircraft projects. The viability of the rumors and evidence will be discussed and some additional ideas will be offered. Everyone loves a mystery. Who knows what craft lurks in the shadows, hinting at an exciting world of flight? Everyone enjoyed the presentation and many questions were asked.		
Joint Sponsorship? With what group(s)?:		
This dinner was a co-sponsorship with the AIAA St. Louis section and the student chapter at Parks College, and St. Louis sections of American Helicopter Society, Society of Automotive Engineers, American Society of Mechanical Engineers, and Experimental Aircraft Association		
Describe any publicity for the event:		
Flyers distributed to AIAA members and within Boeing. Notices were sent to the Boeing retiree club, SAGES. Announcements were placed in local on-line calendars.		

Explain how this event supports Pre-College Outreach:

Opportunity to experience some future technical application and to meet and be inspired by the engineers currently working in the field

Date	Name	Speaker
16 Mar 05	Wright Flyer Simulator at Missouri History Museum	Kevin Kochersberger

Speaker Affiliation: AIAA Distinguished Lecturer

Meeting Type: Other

If "Other", what type: Display

Attendance: 1200

Description of Event:

AIAA and the Missouri History Museum co-sponsored the Discovery of Flight's Bihrl Applied Research Wright flyer simulator at the museum on March 16 - 22. The simulator display coincided with a lecture by AIAA distinguished lecturer Kevin Kochersberger on March 19. The simulator gave the "flyer" the opportunity to experience the feel of the Wright Flyer. The contoured body, control stick movement and lateral shifting of the body to control the aircraft gave the flyer an appreciation of what Orville and Wilbur must have experienced. This was the simulator on which Kevin learned to fly the replica 1903 Wright flyer.

The simulator and display were set up in the museum's Bank of America Atrium. In addition to the simulator, table top displays included basic information on flight; AIAA membership information, AIAA Educator Associate packages and monitors displayed the Wright Flyer Experience films. Over 1200 people stopped by the display and approximately 700 people "flew" the simulator over the six day period. Many of the St. Louis section members brought their children, grandchildren and scout groups to fly the simulator. AIAA "Careers in Aerospace" booklets were given to students who indicated a keen interest in pursuing a career in aerospace.

Announcements were published in the daily Boeing News Now, the section newsletter, a press release was sent to the greater St. Louis media and an e-mail notice was sent to all St. Louis Section members via e-mail.

Region V Category III funds were granted to help underwrite the costs of this event. The Missouri History Museum was pleased to provide the facilities in exchange for our contribution of the simulator and lecturer.

See flyer at <http://mesun4.wustl.edu/~aiaa/AIAAmar05flyer.pdf>

Joint Sponsorship? With what group(s)?:

Discovery of Flight Foundation, Bihrl Applied Research, Missouri History Museum

Describe any publicity for the event:

In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events. The following advertisement paragraphs were extracted from the Boeing News Now St. Louis editions. In addition, announcements for all PCO events were included in local community calendars on the St. Louis Post Dispatch web, <http://www.stltoday.com/stltoday/calendar/pickers.nsf/SS/Home-Calendar?OpenDocument&from=20050319&to=20050523> and the local television station KMOV's website at http://www.kmov.com/community/stlcalendar_frameset.htm (no specific examples shown, as the calendars do not show events prior to the current date)

Some examples of the internal Boeing announcements follow:

AIAA and the Missouri Historical Society: Fly the Bihrl Wright Simulator
Do you have what it takes to fly the 1903 Wright Flyer? Then you'll want to try flying the Bihrl Wright Flyer Simulator. AIAA and the Missouri Historical Society have arranged to have the Wright Flyer Simulator available to the public from Wednesday, March 16 to Tuesday, March 22, from 10 a.m. to 6 p.m., during regular museum hours in the Missouri History Museum's Bank of America Atrium. For more information, see the flier

Explain how this event supports Pre-College Outreach:

Students were encouraged to:
fly the simulator
learn about the history of first flight and the re-enactment in 2003
learn about the principles of flight
get jazzed about flight!

Date	Name	Speaker
24 Apr 05	Yes, We Can	Margaret Ringenberg

Speaker Affiliation: AIAA Distinguished Lecturer

Meeting Type: Dinner Meeting

If "Other", what type:

Attendance: 24

Description of Event:

AIAA presented AIAA distinguished lecturer Margaret Ringenberg. The event was free for students and advertised to encourage the attendance of students. Mrs. Ringenberg shared her experiences during 64 years in the air. Her stories included; adventures and challenges she faced as a member Women Airforce Service Pilots, her experiences and insight as a pilot and flight instructor, who has logged over 40,000 hours since 1943 in both military and private aircraft., the excitement and challenges she faced in numerous air races around the world, and lastly her motivational thoughts on aiming high and achieving goals. Unfortunately, the attendance did not include children, but those adults in attendance listened like children at story time as Mrs. Ringenberg shared her remarkable life opportunities through aviation. See flyer at <http://mesun4.wustl.edu/~aiaa/AIAApr05flyer.pdf>

Joint Sponsorship? With what group(s)?:

Boeing Women in Leadership

Describe any publicity for the event:

In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events. The following advertisement paragraphs were extracted from the Boeing News Now St. Louis editions. In addition, announcements for all PCO events were included in local community calendars on the St. Louis Post Dispatch web, <http://www.stltoday.com/stltoday/calendar/pickers.nsf/SS/Home-Calendar?OpenDocument&from=20050319&to=20050523> and the local television station KMOV's website at http://www.kmov.com/community/stlcalendar_frameset.htm (no specific examples shown, as the calendars do not show events prior to the current date)

Some examples of the internal Boeing announcements follow:

AIAA and BWIL present AIAA Distinguished Lecturer Margaret Ringenberg: ?Yes, We Can!?

The American Institute of Aeronautics and Astronautics (AIAA) and Boeing Women in Leadership (BWIL) invite you to hear AIAA distinguished lecturer Margaret Ringenberg share her experiences during 64 years in the air. Her stories are sure to inspire young and not-so-young alike.

The event will take place on Thursday, April 28, at 5 p.m. in Building 100 Auditorium . Dinner will begin at 5 p.m., and the program will begin at 6 p.m.

We invite you to come hear her talk about:

? The adventures and challenges that faced the pioneers of female aviation as Women Airforce Service Pilots.

? Her experiences and insight as a pilot and flight instructor, who has logged over 40,000 hours since 1943 in both military and private aircraft.

? The excitement and challenges she faced in numerous air races around the world.

? Motivational thoughts on aiming high and achieving goals.

Admission will include sandwiches, chips and drinks. Tickets must be purchased by Friday, April 22.

For more information, see the flier. Or go to the AIAA St. Louis Section Web site and follow the links to the calendar.

Explain how this event supports Pre-College Outreach:

This event was offered free of charge to students to encourage parents to bring their children to hear Margaret's story. Her story covered education, accepting opportunities, ever expanding knowledge and taking on new challenges bravely. A truly inspiring individual.

Date	Name	Speaker
07 May 05	Aerospace Trivia Night	Bob Dowgillo
Speaker Affiliation:		
Meeting Type:		Other
If "Other", what type:		Fund Raiser
Attendance:		43
Description of Event:		
Trivia Night - PCO Fundraiser		
As far as we know, AIAA offers the only Aviation & Space Trivia Night. The trivia event was held in McMillan Cafe on the campus of Washington University. Mike Swartout, Education Chair, arranged for members of the Washington University AIAA Student Chapter to help set up tables and chairs for the event. Each trivia participant won an attendance prize, thanks to the generous donations from Boeing, NASA, AIAA, St. Louis Rams, USAA and others. The second place team donated their winnings back to the section to support precollege outreach activities.		

Here are a few of the questions asked:

1. Wally Funk & Jerry Cox were associated with what early "manned" space program?
2. What aircraft was used to ferry James Bond's Aston Martin across the English Channel in "Dr. No"?
3. What is the name of the organization you could join if you survived an emergency bail out from a disabled aircraft?

Trivia Answers:

1. Project Mercury
2. Carvair
3. The Caterpillar Club was established in the early 1920's and is named for the silk worm, which produces the material used to make parachutes.

The trivia night garnered \$240 for 2005-06 precollege outreach activities

See flyer at <http://mesun4.wustl.edu/~aiaa/TriviaFlyer05.pdf>

Joint Sponsorship? With what group(s)?:

Student Chapter at Washington University/St. Louis - the student chapter arranged for the use of McMillan Cafe on campus at no charge. Students set up the tables and chairs for the event and also performed teardown afterwards. Their participation was essential in yielding a profitable event.

Describe any publicity for the event:

In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events. The following advertisement paragraphs were extracted from the Boeing News Now St. Louis editions. In addition, announcements for all PCO events were included in local community calendars on the St. Louis Post Dispatch web, <http://www.stltoday.com/stltoday/calendar/pickers.nsf/SS/Home-Calendar?OpenDocument&from=20050319&to=20050523> and the local television station KMOV's website at http://www.kmov.com/community/stlcalendar_frameset.htm

Explain how this event supports Pre-College Outreach:

The proceeds from this fun fund-raiser supports pre-college outreach activities. The public is invited to participate in the trivia night... although some have been a bit daunted by the strict adherence to all questions being aviation/aerospace related - no matter how trivial. It is, after all, a trivia night! It's good fun for a good cause!

Date	Name	Speaker
19 May 05	Honors & Awards Banquet	Kevin Dolliole
Speaker Affiliation:	Dir. Lambert Int'l Airport	
Meeting Type:	Dinner Meeting	
If "Other", what type:		
Attendance:	45	
Description of Event:		
The annual Honors & Awards banquet is a special night for our section. It is the most formal event of the calendar year. Many members choose to bring spouses to this dinner, to mix and mingle and get a glimpse of the activities surrounding our industry.		
Two Young Professional Awards were presented. Dale Pitt presented Darin Haudrich his award and Chad Winkler received his award from Bill Bower. Each nominator shared with the audience the exemplary work the young men had performed leading to their nomination for this prestigious award.		
The Lindbergh Award: In recognition of a distinguished contribution in applying aerospace technology to improving the quality of human life. This year's recipient was the USTRANSCOM at Scott Air Force Base. This unit of the military transports supplies to the services in 75% of the world and the medical unit transport wounded soldiers to appropriate locations for their best medical care. Brig. Gen. Tim Loftus accepted the award.		
Technical Contribution: In recognition of an outstanding contribution to the advancement of the aerospace sciences in a technical discipline by a Section member or team of members. Michael Bland was honored with this award. Bill Getz presented the award after reading his nomination letter.		
Section Service: In recognition of an outstanding contribution to the Section's activities by a member was presented to Trent Duff for his efforts in expanding the AIAA outreach to young members.		

Tom Mroczkowski explained our role in judging at the Science Fair. The Science Fair winners were announced and acknowledged for their accomplishments.

We publicly recognize and acknowledge our council, committee members and all who have made this year a success for the section.

Our keynote speaker was Kevin Dolliole, the newly announced Director of Lambert International Airport. He shared the current status of the airport expansion, impact of the recent reduction of flights for American Airlines to the community, and the plans for the near future economic development that the airport expansion will facilitate.

Section Chair, Karen Copper, presented Vice Chair, Dale Pitt, with the traditional gavel plaque signifying a turning over of the section to the new council. Dale presented Karen with the national AIAA section chair certificate.

Joint Sponsorship? With what group(s)?:

Describe any publicity for the event:

In addition to the flyers being posted on bulletin boards and in the AIAA Gateway newsletter, announcements were published, as example shown below, in the Boeing daily electronic news distributed via e-mail to all Boeing employees. AIAA members were also e-mailed notices of all section events.

Explain how this event supports Pre-College Outreach:

The public acknowledgement of the student accomplishments on their Science Fair projects is important to support and encourage the students to continue in their discovery and learning.

KINDERGARTEN THROUGH 12TH GRADE TEACHER TRAINING WORKSHOPS, PROGRAMS AND EVENTS

Describe any workshops specifically designed for teachers K-12 to help promote the education of science, mathematics, or related technology field that are not shown above. Explain the development of course materials, if applicable. Note how it was planned, publicized, how many teachers attended, and feedback. (max 500 words)

Karen Copper gave a presentation of "Engineers as Mentors" at first AIAA Precollege Outreach Passport to the Future Educator Workshop in Fort Lauderdale, FL.

Karen Copper gave a presentation "Engineers as Mentors" and "AIAA Passport to the Future" to 23 educators at the NASA Connect workshop on July 26. The workshop was held at the NASA Education Resource Center at Southeast Missouri State University in Cape Girardeau, MO. Jackie Wortmann is the coordinator of the MO NASA ERC. The presentation focused on the teamwork aspects of aircraft production, the varied math and sciences used in the design, testing and building of aircraft. Numerous film clips were shown and explained, including wind tunnel flutter test, drop test, computer modeling and digital assembly demonstrator. The teachers were excited to see the development and production side of the aircraft industry. Many of the educators completed EA membership forms that day that were then submitted to Lisa Bacon.

Classroom Participation –

Twelve AIAA members from The Boeing Company visited area schools sharing their education and work experiences with over 1000 students during Engineers Week.

Mike Heller, AIAA Mechanics and Control of Flight Award for 2005, presented a version of his award winning project to high school physics kids.

A World in Motion - AIAA members Mark Holly, Ben LeGrand and Karen Copper were active volunteers in the A World in Motion program at McKinley Jr. Academy. Karen each presented a cost analysis module to more than 240 7th grade students preparing them for of their AWIM project. Mark fixed or replaced all equipment that was not functioning properly. Mark and Ben participated in the three judging sessions at the school and the final presentation by the 4 top teams to Jim Young, VP Engineering at The Boeing Company on May 11.

Project Lead the Way - The St. Louis AIAA Section solicited volunteers from our membership to participate on the Boeing Project Lead the Way team. Section members Nathan Dudley and Virginia Vasey-Glandon participated.

Describe any events and programs specifically designed for students and/or teachers K-12 that are not shown above. This can involve events such as conducting paper airplane contests, sponsoring essay contest, building flight demonstrations, providing scholarships, and having a mentor program. (max 500 words)

Women Engineers Meet & Greet -

On 14 December fifty-seven girls, in their junior or senior year, from the Cor Jesu and Incarnate Word Academies met and interviewed twenty-one women engineers from Boeing in the Prologue Room. Two to three girls were randomly joined by

one of the engineers to discuss career paths, class selection, what an engineer does, etc. After an hour, the engineers rotated to a new group of students to allow the students to meet and hear of another engineer's experiences.

Expanding Your Horizons in Math & Science Conference -

The St. Louis section sought volunteers from our membership and the Boeing organization to participate in the 2005 conference. Female students, in grades 7 – 10, attended this conference, sponsored by the Math/Science Network of Greater St. Louis on March 17. All female AIAA members in the St. Louis Section were invited to participate in the conference. Karen Copper, Virginia Vasey-Glanden, Kristine Kimbrell, Jessica Kolta, Deborah Radasch and Julie Rieffel participated in the Career Panel discussions, sharing their education and work experiences and answered students' questions.

Advanced Unmanned Systems Market Analysis -

David Buis developed and implemented a pilot program exploring the concept of teaching high school students about a product and having the students conduct research for marketing that product. CAT III funds were solicited to purchase needed materials for the students to perform the required research activities. The purpose of the project was to evaluate the benefits of providing a real world problem to high school students. Benefits to business include low cost help, fresh ideas, and community involvement. Benefits to students include participation in learning of actual products, encouragement for continued education, and identifying career options.

Approximately 30 students were involved in the project. Students were highly engaged and did an excellent job of researching their selected market areas. Teachers helped motivate and focus the students' attention ensuring proper learning was achieved. Teachers tailored the material to maximize student learning and ensure successful product outcome. This project was highly successful for both the students and business.

St. Louis Public Schools 8th Grade Career Fair -

St. Louis section developed and manned the Boeing engineering booth at the fair held May 10 and 11. Seven volunteers represented a diverse background of engineering application: laboratory test and evaluation, stress analyst, designer, operations analyst, propulsion and aerodynamics.

Over 9000 students attended the career fair; approximately 650 stopped by Boeing/AIAA booth. Students had two career choices to explore at the fair. Many students were insightful and we believe we conducted the first interviews of future employees! Students indicating an interest aerospace were given the AIAA "Careers in Aerospace" booklet.

Science Fair –

Seven AIAA members judged over 500 projects at the student Greater St. Louis Science Fair. Five \$75 awards and 7 books were presented for exceptional aero related projects. The five winning students and a guest were invited to our section's honors and awards banquet.

Flyers for all events may be seen at URL noted below

EDUCATOR ASSOCIATE PARTICIPATION

Number of Educator Associates as of 31 Mar 04:

21

Explain how your Section recognizes the Educator Associates. Describe how the Educator Associates involve themselves with your Sections activities. Note their participation level with the Section. (max 500 words)

The Educator Associates receive copies of the section newsletter, event flyers are mailed, which contain information on upcoming events and receive any e-mail communications sent to the St. Louis section members. In addition, any PCO national opportunities that arise related to education, such as the Educator Workshop in Fort Lauderdale in July 2004 and the upcoming Educator Workshop in Tucson were sent via e-mail.

AIAA Educator Associate packages were distributed at every opportunity. In addition, e-mail notices were sent (in addition to the items mailed via USPS) to the educators regarding Section activities and the Educator Workshop in Fort Lauderdale, Florida to be held in July.

We made contact with numerous school systems within the greater St. Louis metropolitan area and the St. Louis Archdiocese for communicating with math and science teachers within their private school system. This allowed increased

publicity of PCO activities.

The St. Louis Area Science Education Consortium

The St. Louis Section Precollege Outreach Chair continues participating in the development of a consortium of Professional Engineers, Educators, University Educators, Industry and School Boards. This consortium would be looking at the spiral effect of education from all perspectives. The end user defining their employee knowledge base requirements, the university requirements to meet industry needs in graduates, the education student's needs to educate the students, the teacher's needs to understand real-life application of the math and science basics, the students engagement in the math and science topics at an early age and sustained engagement through career choice. A materials and educational development center would be created to provide hands on materials, teaching curriculum, training of the educators on the activities, maintenance of the kits, professional development for the curriculum, and mentoring by science/engineering professionals. A network of the consortium members would parlay the strengths of each member to the benefit of our youth and ensuring future technical excellence. Work continues on this effort.

The utilization of the St. Louis AIAA section as a resource for Boeing was strengthened by communications with Randy Maier of the Boeing St. Louis Community Relations department. The alliance emphasized the AIAA Workforce 2025 strategic plan and it's alignment with Boeing Vision 2016. Randy indicated a desire to tap into AIAA as a resource for these education outreach activities. This occurred with the request for volunteers to support various projects noted below and with Karen Copper leading the development and staffing of the Boeing booth at the St. Louis Public Schools 8th Grade Career.

Uploaded Files:

PCO publicity.pdf	VIEW >
Career Fair.pdf	VIEW >
PCO Mentoring.pdf	VIEW >
Engineers as mentors.pdf	VIEW >
Product Design.pdf	VIEW >

URL Links

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http://mesun4.wustl.edu/~aiaa/calendar0405.htm	VIEW >

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