

SECTION ANNUAL REPORT 2010-2011

The Annual Report is the Business Report for the Section and must be received before a Section can receive its rebate for the next year. It covers activities from June 1, 2010 to May 31, 2011. Although any member can aid in filling out the report, submission can only be made by the serving chair of the section year listed above. Supporting materials such as newsletters, programs, advertising, etc. may be attached, but the total pages should be no more than 12, and must all be in one document (it may mean that the entire report is submitted in pdf format). Larger or extra pieces of supporting material, such as newsletters, multiple flyers, banquet programs, etc. should be archived on the section's SharePoint site with links in the report document as needed. Please do not use fonts smaller than 10 point. This report must be submitted by **June 30, 2011** in order to be considered for any section awards.

Section Name: _St. Louis_____

Section Size: _Large_____

Section Organization

1. List the names of the Section Officers and any additional members of the section council.
2. Number of council/officer meetings held during the year: Average attendance:
3. Percentage of membership voting in last election of Section Officers:
4. List any activities targeted at officer training or development including attendance at the Regional Leadership Conference:
5. Estimated membership located within 1 hour of the meetings:
6. Number of Chapters within the Section: Chapter Names:
7. Describe how your section supports members outside the local area (if any):

Meetings, Programs and Events

1. Describe the Section's general meetings. Include date, meeting type (e.g. dinner meeting, field trip, lunch and learn, etc.), speaker, organization, topic, location, and attendance. You may further break down your attendance if you would like (AIAA members, nonmembers, students, etc). Also include the focus (young professional, public policy, technical, career and workforce development, STEM K-12, etc. or just general), any publicity used for the event, and if it was jointly sponsored and if so, by whom.

Membership Activities

1. Describe any membership recruitment/retention activities (This section may be copied as needed for use in the Membership Award Form).

Education

1. List the student branches within the section and describe any section activities related to these branches.
2. Describe actions taken to establish new student branches.
3. Describe involvement of the section with the Region Student Conference.
4. Describe any professional continuing education programs (this section may be copied as needed for use in the Career and Workforce Development Award Form).
5. Describe any precollege outreach programs instituted/continued this year (this section may be copied as needed for use in the STEM-K12 Award Form).
6. Does your section have a scholarship fund? Describe how funds are raised, and how scholarships are awarded.

Public Policy (This section may be copied as needed for use in the Public Policy Award Form.)

1. Describe activities that inform the public and section members about public policy.
2. Describe activities that provided interaction with government officials.
3. Did your section participate in Congressional Visits Day or August is for Aerospace? If so, describe.

Honors and Awards

1. Describe any local section awards given to members and supporters. Please note if award is new this year.
2. List members nominated by the section for AIAA or regional honors and awards. Please include nominee, award, and status.

Technical Activities

1. How many local members are members of an AIAA Technical Committee? Describe how they interacted with the local section or local technical committee(s).
2. Describe **local** technical committees, their function and activities for this year.
3. Describe any technical symposia or short courses not described in detail elsewhere in this report.

Communications (This section may be copied as needed for use in the Communications Award form.)

1. Number of newsletters published this year: What article received the most attention or interest this year?
2. Describe any section publications other than a newsletter, including content, frequency and distribution.
3. How does the section utilize electronic communication, such as email notification, social media (such as Facebook, LinkedIn or Twitter), etc?

The following questions are for those sections with active websites.

4. Do you use the AIAA SharePoint site to host your section's homepage? If not, do you host a Web site elsewhere?
5. How often is the site updated, and do you have a webmaster?
6. What is the most utilized feature of the Web site?
7. Do you use it to promote upcoming section activities?
8. Describe any new or unique features added this year.

Section Organization

Chairman Rob Sutton
Vice Chairman..... Brad Sexton
Secretary..... Ashley Cox
Treasurer Chris Tavares
Advisors Dick Moomaw, Scott Stevenson, Forrest Utsman, Gary Fears-II

Committees

Programs & Arrangements Rob Sutton
Career Enhancement..... Nick Eckstein
Historian..... Fred Roos
Honors & Awards OPEN
Membership Darin Haudrich
Newsletter Dave Morgan
Pilot Education Trent Duff
STEM K-12 Karen Copper
Public Policy..... Mark Holly
Public/Retirees John Mohr
Publicity..... Karen Copper
Service Projects OPEN
Technical Specialist Meetings Frank Youkhana, Brad Sexton
Webmaster..... John Donigan
Young Members..... Joe Henits
Strategic Planning Larry Brase

Council meetings held in 2010-2011: 8

Average council meeting attendance: 16

Percentage of membership voting in last election of Section Officers: 21%

Leadership training: Regional Leadership Conference-Rob Sutton, Darin Haurdrich, Karen Copper, Larry Brase

425 members located within 1 hour of the Section meetings

Chapters within the section: 1 Professional-St. Louis, 4 Student-Missouri University of Science and Technology, St. Louis University-Parks, University of Missouri, Washington University-St. Louis

The St. Louis Section uses electronic communications extensively to inform non-local members of Section events and to publicize events in their area. Non-local members are welcome to submit articles for the monthly newsletter and for posting on the Section website. The Section council organizes its members to support activities at remote locations that support its members and advance the goals of AIAA.

Meetings, Programs, and Events

Dinner meetings:

The Section strives to offer dinner meeting to its members each month from September through May. Programming for these dinner meetings ranges from local speakers with interesting topics to aerospace company executives and AIAA Distinguished Lecturers.

"Reflections on St. Louis' First Air Show – A Century Ago!" by Dr. F.W. Roos , 28 October 2010, *Attendance-24, Publicity-Newsletter*, section website announcement, Boeing local events posting

"Phantom Ray" by Mr. Craig Brown, 16 December 2010, *Attendance- 43, Publicity-Newsletter*, section website announcement, Boeing local events posting

"General Aviation: Past, Present and Future" by Ramesh K. Agarwal, 17 March 2011, *Attendance-15, Publicity-Newsletter*, section website announcement, Boeing local events posting

"Inventing the Joint Strike Fighter" by Dr. Paul Bevilaqua, 4 April 2011, Joint Meeting with St. Louis University Student Section , *Professional section attendance-16, total attendance-85, Publicity-Newsletter*, section website announcement, Boeing local events posting

"The Story Behind the Hubble Space Telescope" by Mr. Robert Zimmerman, 26 May 2011, *Attendance-43, Publicity-Newsletter*, section website announcement, Boeing local events posting

Technical Specialist meetings:

The St. Louis Section Technical Specialist meetings are offered at least once a quarter with the intent to provide members with topics of interest that are of greater technical depth than the typical dinner meetings. With a number of excellent universities within the St. Louis Section, our Technical Specialist meetings have become a fixture of our Section programming and provided Section membership with exposure to topics outside their day-to-day professional experiences.

"From Parachutes to Whales –Applying the Unsteady Aerodynamics of Inflation to the Study of Lunge Feeding by Whales" by Dr. Jean Potvin , 9 December 2010, *Attendance-15, Publicity-Newsletter*, section website announcement, Boeing local events posting

"Long Endurance Multi-Intelligence Vehicle: A Technical Review of the Army's New Eye-In-The-Sky " by Dr. Brandon Buerge , 24 February 2011, *Attendance-22*, *Publicity-Newsletter*, section website announcement, Boeing local events posting

"Boeing's Vision for Unmanned Aircraft Systems" by Eric ("Scam") Mathewson, Col, USAF (Ret), 30 March 2011, *Attendance-12*, *Publicity-Newsletter*, section website announcement, Boeing local events posting

"Applications of Computational Fluid Dynamics n the Medical Field" by Dr. Mark McQuilling, 21 April 2011, *Attendance-17* , *Publicity-Newsletter*, section website announcement, Boeing local events posting

STEM movie nights:

The STEM movie nights hosted by the St. Louis Section are presented to offer a family-oriented exposure to aerospace-related movies to adults and children alike. The movie selection varies from educational documentaries to mainstream feature films.

"Star Wars", 18 June 2010, *Attendance-70*

"The Empire Strikes Back", 23 July 2010, *Attendance-35*

"Return of the Jedi", 20 August 2010, *Attendance-50*

"Flyabout", 24 September 2010, co-sponsored with The Women in Aviation St. Louis Chapter, Women With Wings, *Attendance-27*

"Those Magnificent Men in their Flying Machines", 12 November 2010, *Attendance- 32*

"The Great Waldo Pepper", 11 March 2011, *Attendance-12*

"For All Mankind", 15 April 2011, *Attendance-33*

"Twelve O'Clock High", 20 May 2011, *Attendance-30*

All newsletter and publicity documents are posted on the Section Sharepoint site at:

<https://info.aiaa.org/Regions/MW/SL/default.aspx>

Click on the "Newsletters" or "Announcements" tab for the corresponding document. An example of the Section Newsletter and a dinner meeting announcement are included at the end of this document.

Membership Activities

While the St. Louis Section participated in no activities that were specifically focused on recruiting membership, a number of on-going programs have been put in place to help foster recruitment. Potential new members are offered free admission to their first dinner meeting (~\$20 value). In addition, student members are offered a highly reduced dinner meeting rate to encourage their participation in Section activities and Professional Section membership after graduation. An AIAA desktop display is exhibited at our dinner meetings and aerospace-related activities in the community. Publicity of AIAA events is distributed in the Boeing-St. Louis/St. Charles news and events which reaches the entire Boeing-St. Louis/St. Charles employment each week.

Education

Missouri University of Science and Technology

St. Louis University-Parks, co-sponsored April dinner meeting

University of Missouri

Washington University-St. Louis

During the 2010-2011 Section year, the St. Louis Section continued their very successful Family Film Night series. The Family Film Night is intended to expose the entire family to aerospace related topics and use documentary and feature films to build a bridge between the Section membership and the general community that is not as familiar with aerospace. The St. Louis Section also participated in a career night this year at St. Louis Community College and supported a Boeing Prologue Room meet and greet for college-bound high school students.

Public Policy

The 2010-2011 was a light year for public policy activities in the St. Louis Section. The Section did not participate as a Section in the Congressional Visits Day or August is For Aerospace.

Honors and Awards

The St. Louis Section continued its history of recognizing local individuals and organizations for their contributions to the field of aerospace through Section awards presented at the May awards banquet. The awards ranged from contributions to humanitarian efforts to section service and from technical contribution to technical management.

Technical Contribution Award presented to Larry Brase-Jr. in recognition of his leadership at Boeing in the field of structural dynamics and loads.

Technical Management Award presented to Innoventor Incorporated in recognition of Innoventor's design and development of universal tooling systems utilized in the production and lean manufacturing of the F-35.

Lindbergh Award presented to the 18th Air Force from Scott AFB in recognition of supporting relief efforts to disasters in Haiti and Japan.

Civic Service Award presented to George Roman in recognition of his personal commitment to fostering relationships between the aerospace industry, organized labor, and the community.

Section Service Award presented to Dale Pitt in appreciation of outstanding service and commitment to the St. Louis Section of the AIAA.

While a number of St. Louis Section members have received AIAA awards in the past year including Dr. Ramesh Agarwal and Dr. Jim Mace, the Section did not submit those nominations. However, as always, we are proud of the rich continuing contributions of our membership to the field of aerospace.

Technical Activities

Two Section members participate in AIAA Technical Committees with one of those members being David Riley, the Director of the Aerospace Sciences committee.

The local Section does not have any technical committees nor has the Section offered any symposia or short courses in the past year.

Communications

Newsletters published this year: 12

All Section announcements are posted on the Section Sharepoint site and most are individually emailed to the Section membership using the most recently updated membership email list from AIAA.

The St. Louis Section uses the AIAA Sharepoint site for its Section homepage hosting.

The Section Website is updated as new information develops that requires dissemination to the Section membership. Our webmaster posts new announcements and information as it is provided to him. On average the website is updated once per week with new information.

The most utilized feature of the website is the homepage announcements section with the newsletters link as the next most utilized feature.

Financial Summary

Beginning Total Balance of all cash on hand as of June 1, 2010 \$ _____

Checking Account: \$ _____

Savings Account: \$ _____

Other (please specify): \$ _____

Section Rebate: \$ _____

Other Income _____

(please specify – advertising, etc): \$ _____

Expenses: \$ _____

Estimated Ending Balance as of May 31, 2011 \$ _____

No corporate donations were received this year.

No meetings or functions were underwritten or financially supported this year.