

Volume I, Issue II DECEMBER 1999 – JANUARY 2000

FROM THE FLIGHT DECK

Byron Lowry, Section Chair 1999-2000

Good news from AIAA headquarters, our San Diego Section was recently voted a second place award as an Outstanding Section. We were second to the Houston Section. Congratulations are in order for last year's chair, Mike Lazar, and the rest of the Section Council. Our membership director, Jim Peterson was recognized nationally for his efforts. One tangible benefit to our Section of this recognition is the award of 73 free trial memberships to be used to attract new members. These trial memberships are open to anyone that has not previously been a member of AIAA and run for nine months beginning in January, through September. If you know of some potential candidates for this offer please have them contact Jim Peterson or me for nomination.

Planning continues for this year's Region VI Student Conference to be sponsored by the Student Section of SDSU. Enclosed with this newsletter you will find a solicitation from Colin Etheridge asking for volunteers to judge papers and presentations. We will also be assisting George Faulkner and his student team in soliciting financial and logistical help to make this conference a success.

Regretfully, we have lost the services of Majid Kabiri as Vice Chair-Technical. He has moved out of the area. His enthusiasm and technical support will be missed. Of course the search is on to replace him. Volunteers?

I welcome your comments, suggestion and concerns. Introduce yourself at our functions, or call me at (619) 435-4327, E-mail at byron.lowry@lmco.com or write to our P.O. Box so we can build a successful year.

American Institute of Aeronautics and Astronautics –San Diego Section- P.O. Box 881464 – San Diego CA 92168

National Engineers Week 2000: Call for Award Nominations

The National Engineers Week (NEW) San Diego Committee is seeking nominations for four awards to be presented at the National Engineers Week Banquet. The awards are Engineer of the Year, Outstanding Engineering Educator of the Year, Engineering Project Award, and Outstanding Service Award. The Engineering Project Award has categories for Civil, Transportation, Electrical, Mechanical, and Aerospace Engineering.

The Aerospace Engineering Project Award recognizes an outstanding engineering project brought to fulfillment through design and production which benefits the general public. Any project constructed or produced in San Diego County is eligible for nomination. A project representative must agree to accept the award in person at the Annual National Engineers Week Banquet.

To nominate someone, please provide the project name, company or organization, project location address, and telephone number(s). On ONE PAGE OR LESS, describe the significance of the project. Include engineering achievements, special obstacles overcome, and the public benefit. Brochures and photographs are encouraged.

Descriptions of the other awards offered along with their nomination requirements are available online at <http://ptuccillo.tripod.com/index-1.html>. All nominations must be mailed or FAXED to: NEW AWARDS CHAIR, Pete Tuccillo, 9404 Genesee Avenue, Suite 140, La Jolla, CA 92037, Work Phone (619) 453-8919, FAX (619) 453-9652, E-mail pete.tuccillo@parsons.com. Nominations must be postmarked by February 9, 2000.

EDITORS' NOTE:

It looks like we made it to issue No. 2 so it appears things are going well. Of course, we are always interested in any suggestions (or criticisms) you may have regarding *The San Diego Flyer*. Email or write us. Information to contact us is printed on the last page.

Best wishes for a safe and memorable holiday season!

Tracie Okada and Chris Root

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Ryan Employee Receives 1999 AIAA Aircraft Design Award

-- Article by Lynn Chance, excerpted from Northrop Grumman's The Integrator, Oct 18, 1999 issue. Used by permission.

Hermann Altmann, chief engineer for ISA's Ryan Aeronautical Center and for the Center's Global Hawk program, was recently selected to receive the American Institute of Aeronautics and Astronautics Aircraft Design Award for 1999. The award, given to only one engineer nationwide each year, was presented to Altmann from his leadership on the Global Hawk program. Significantly, Altmann's nomination for the award was submitted to the AIAA at the insistence of the customer of Global Hawk – the U.S. Air Force.

Altmann, who has spent the last six years of his career at Ryan, has been an engineer for nearly three decades. Still, in all that time, it never occurred to him that he might be singled out for an award as prestigious as AIAA's.

"It's one of those things you don't even think about as you're coming to work each day," Altmann said. "It's doing the job that counts – anything beyond that is just gravy."

Altmann added that "doing that job" has brought a great deal of satisfaction to him over the years, and he specifically credited the entire Global Hawk team for making his work so pleasurable.

"We try to work as a true team on the program," he said, "and there's a lot of esprit de corps among all of us. We're close and take full advantage of each others' unique talents and abilities; unless you have that camaraderie going for you, nothing positive happens. This is the best team I have had the pleasure and honor to form and serve."

Altmann's award was presented Oct. 21 at the 1999 World Aviation Congress & Exposition Award Luncheon held in San Francisco. Altmann's wife, Ellen Barry and daughter Miriam, a student at UC Berkeley, accompanied him to the event. At the ceremony, Altmann received an engraved bronze medal, a citation certificate, and a rosette pin.

AIAA SAN DIEGO SECTION CALENDAR

December 1999

1. SDAM – Historical Lecture Series, Marie and Elgin Long
5. Aircraft Carrier Tour, USS JOHN STENNIS,
NAS - North Island (Encore)

January 2000

- 27 Dinner Meeting – Bill Chana, "Roger- Over and Out"

February 2000

16 Young Member's Mixer @ Aeroclub, India St.

20-26 National Engineers Week

NEW 2000 Banquet – James Benson of SpaceDev

March 2000

TBD

April 2000

7-9 AIAA Regional Student Conference, SDSU

8 Professional/Student Conference Event @ SDAM

TBD Science Fair

May 2000

TBD SD Section Awards Dinner, AIAA Distinguished Lecturer

More events to be announced as they develop

Stay Tuned!

MEMBERSHIP NEWS

Section membership stands at 482 as of November 1st. We would like to welcome the following members to the San Diego Section:

New Members

Frank Deichsel H&F Aeronautical Technologies

William Dunbar UCSD

Javier Escobedo

Carmelo Finocchiaro Adv. Tech Enterprises

Jim Gledhill SDSU

Victor Hugo SDSU

Kyle Indermuehle SDRC

Richard Lee

Christopher Martys NASA LaRC

Michael Minnier Cal Poly State Univ.

CDR John Nunlet Dept of the Navy

Steven Ogg The Boeing Co

Sunshine Russell NADEPNI

CDR Robert Santos Dept of the Navy

Eric Sarabia SDSU

Philip Smith Integrated Space Systems

Mark Storer Marconi Integrated Systems

Li-Ping Sung UCSD

Anthony Tran Dept of the Navy, SPAWAR

LCDR Philip Turner Dept of the Navy

Jason Wieland UCSD

Cara ZyllaMarconi Integrated Systems

Transfers-in

Xleonard Dest International Launch Services

David Howes

Amy Ruzauskas

Frederick Samain Retired

John Swihart Swihart Consulting

If you have moved or changed jobs recently, please call the **AIAA Headquarters Customer Service Center at 1-800-NEW-AIAA** and provide them with the current information. You may also renew your membership via telephone at the same phone number, using a credit card. If you have become unemployed or retired, you may renew your membership at a lower rate.

UPGRADE YOUR AIAA MEMBERSHIP: Deadlines for membership upgrades are approaching. It is time to nominate your colleagues for the following grades: Associate Fellow, Fellow, and Honorary Fellow. Deadlines are:

- Associate Fellow - nomination forms due 15 April 2000; references due 15 May 15 2000
- Fellow & Honorary Fellow - nomination forms due 15 June 2000; references due 15 July 2000.

If you are an eligible section member who would like to upgrade your membership to Senior Member, Associate Fellow, or Fellow grade; or if you would like to determine your current status/eligibility status then you should contact Mr. James Peterson, San Diego Section Membership Chair for more information.

If you have any questions regarding membership or advancing your membership grade, please call Jim Peterson at (858) 279-1940 or e-mail him at jdpete@pacbell.net.

REGION VI's YEAR 2000 FELLOWS: Historically, Fellow selection is limited to candidates demonstrating strong potential for leadership and distinguishing themselves in the field of aerospace. For every 1000 voting members of the Institute, one Fellow is selected. The Region VI Fellows for the year 2000 are:

- James O. Arnold, NASA Ames Research Center, San Francisco Section
- Gary T. Chapman, University of California at Berkeley, San Francisco Section
- Donald L. Cromer, Lt. Gen. United States Air Force, Retired, Vandenberg Section
- James A. Franklin, NASA Ames Research Center, San Francisco Section
- Chul Park, Elorete Institute, San Francisco Section
- Max F. Platzer, Naval Postgraduate School, Point Lobos Section
- Frank J. Redd, Utah State University, Utah Section
- Robert Rosen, NASA Ames Research Center, San Francisco Section
- Byron K. Wood, The Boeing Company, San Fernando Valley Section

The San Diego Section congratulates each of you!

Call for Judges – Region VI Student Conference 2000

The San Diego State University AIAA Student branch will be hosting the Annual AIAA Region VI Student Conference from 6th to 8th April, 2000. This event provides an opportunity for students to present the results of their research activities to an audience made up of fellow students, faculty members of the region's 26 Universities with AIAA Student Chapters, and a team of judges drawn from the Aerospace industry. In addition to experiencing the pressures and rewards of a professional conference, students compete for cash prizes which a panel of judges award to the best three papers in undergraduate and graduate categories.

Students submit written papers of their presentations approximately one month before the conference for evaluation. These papers are reviewed by a group of Technical Judges, who evaluate them on the basis of technical content, originality, practical application, style and form. The point scores assigned are then combined with scores assigned by a panel of Audio Judges for presentation style and performance. Students with the highest scores are then awarded the prizes.

The success of the conference depends to a large extent on the dedicated service of the Technical and Audio judges, comprising volunteers from all areas of the Aerospace industry. We need enough Technical judges so each will score no more than five papers containing twenty pages of text. We also need enough Audio judges to make up a panel of between 3 and 5 members at each session.

If you are interested in participating in this important event for students, please contact:

Mr. Colin J. Etheridge,

Judging Chair -Region VI Student Conference 2000

P.O. Box 881464

San Diego, CA 92168

Colin can also be reached by phone (619) 544-5136; or fax (619) 544-5500; or via email etheridge_colin_j@solarturbines.com. Please provide information on your area of expertise and years of experience. He will then send you an information packet, containing what you need to become set up. Your help will be greatly appreciated and you will have the opportunity to interact with some of the best upcoming Aerospace students in the region.

SDSU Student Chapter News

The fall semester at SDSU has been a good one. There have been weekly meetings, alternating between general meetings with a program of some sort and meetings of the officers only. Planning for the April 2000 Region VI Student Conference has progressed. The decision was made to hold all activities at the Hacienda Hotel in Old Town and a contract with the hotel has been made. There will be more information regarding the conference as it nears; however, for your planning purposes, we will be holding a joint event with the AIAA San Diego Section at the S. D. Aerospace Museum on Saturday April 8th. We hope to see you there.

UCSD Student Chapter News

The UCSD AIAA Student Chapter conducted a Community Outreach event UCSD Medical Center in Hillcrest- Children's Ward on December 17th. Fifteen UCSD Aerospace engineering students paired up with patients aged 4-12 years to build a simple airplane model (no glue knives,

paint required) and then spent time explaining to them how an airplane or the space shuttle works and answering their questions. Spending an hour with these kids building a snap-tite model really lifted their spirits before the holidays and just maybe gave them the spark to become future aerospace engineers.

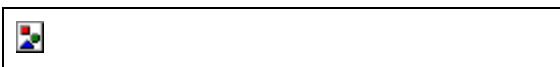
A special thanks to the San Diego Aerospace Museum, which provided the models at cost, and museum passes to students and patients who participated in this special program. According to Dr. John Kosmatka, UCSD Student Faculty Advisor, the Student Chapter hopes to make this an annual event and expand the program to include more hospitals and participants in the coming years. Way to go UCSD!

VOTE FOR
WILLIAM F. CHANA
(Fellow)
Director-at-Large

AIAA San Diego Section Council 1999 – 2000

Position	Name/Company	Work Phone/Fax	Email Address
Chair	Byron Lowry, Lockheed Martin Fed Sys	(619) 435-4327	Byron.lowry@lmco.com
Vice Chair - Planning	Penelope Ulander, Naval Aviation Depot, NI	(619) 545-3935	Ulanderpi@navair.navy.mil
Vice Chair - Technical	VACANT		
Secretary	Keith Glassman, Naval Aviation Depot, NI	(619) 545-3736	GlassmanKF@navair.navy.mil
Treasurer	Hongyu Wang, Solar Turbines	(619) 544-5110	Wang_Hongyu_x@solarturbines.com
Program Arrangements	Chuck Heightland, THG Engineering	(760) 728-9249	Thg_engr@pacbell.net
Field Trips	Jim Leland, Naval Aviation Depot, NI	(619) 545-2710	LelandJM@navair.navy.mil
Publications	Chris Root, Naval Aviation Depot, NI	(619) 545-3941	RootCB@navair.navy.mil
Publications	Tracie Okada, Naval Aviation Depot, NI	(619) 545-3923	OkadaTM@navair.navy.mil
Community Relations	Quentin Goss, USAF – Retired	(858) 451-6213	Qigoss@worldnet.att.net
Public Policy	Tom Chandik, General Dynamics – Retired	(619) 276-8961	
History & Bylaws	Bill Chana , W. F. Chana Associates, Inc.	(858) 488-7183	
Region VI Delegate	Mike Lazar, Teledyne Ryan Aeronautical	(619) 291-7311 x-1149	MLazar@tdryan.com

Membership	Jim Peterson, General Dynamics – Retired	(858) 279-1940	Jdpete@pacbell.net
Honors & Awards	Colin Etheridge, Solar Turbines	(619) 544-5136	Etheridge_Colin_J@solarturbines.com
SDES Liaison	Warren Johnson, BFG Aerospace– Retired	(858) 278-1317	Wmjohson2@earthlink.net
Education/Student Activities	VACANT		
Young Members	Sunshine Russell, Naval Aviation Depot NI	(619) 545-7627	RussellSC@navair.navy.mil
SDSU Faculty Advisor	George Faulkner, SDSU	(858) 270-6604	DGfJR@aol.com
SDSU Student Chair	Richard Gunderson		Rgunder@home.net
UCSD Faculty Advisor	John Kosmatka, Prof., UCSD AMES Dept.	(858) 534-1779	Jkosmatka@ucsd.edu
UCSD Student Chair	Josh T. Hu	(858) 549-1723	Jthu@ucsd.edu
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Pre-College Outreach	Thane Coxon	(760) 599-8760	Thanec2362@aol.com
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