



From the Flight Deck

Chuck Heightland, Section Chair

The National Engineers Week dinner is just around the corner and we are ready. The SDSU Student Branch has taken on the chore of setting up the AIAA display table. The display will consist of photographs and other memorabilia on loan from the family of Larry Bell, founder of Bell Helicopters, and an undeniable Aerospace Pioneer. The section's Vice Chair for Technical is busy putting together a Technical Symposium for this spring (Late March – April time frame). Every member should have received a Flyer announcing the symposium and making a Call for Presentations. Please think it over; if this is to be a success we need interested people to make presentations to interested attendees. Besides, isn't this the primary purpose of AIAA, the sharing of ideas, concepts, insights, and knowledge to further the Arts and Sciences of the Aerospace Profession?



The Reuben H. Fleet Scholarship program is moving forward. My direct letter announcement to San Diego's High School District Superintendents has produced several interested seniors that might otherwise not have known of our award program. There are still over 6 weeks left, if you know a deserving student why not sponsor them for consideration.

I would like at this point to remind everyone of the matching need for contributions to the Reuben H. Fleet Program. All donations to the AIAA San Diego Scholarship Fund are tax deductible to the extent allowed by law. One other not so small point before moving on — a \$5 or \$10 contribution may seem like it is too small and not worth the trouble. But, if every member of the section (all 450+ of us) would donate \$10 each, we could award several more scholarships to some very deserving students. Although our per-student funding is not large, who knows what it may take to motivate the next Ivan Getting, John Swihart or Bill Chana. You'll find a clip-out contribution form later in this Newsletter. Please take a moment to consider the benefit and encouragement an award to our young engineers represents. Please send in whatever amount you can personally afford. No donation is too small to be of help in funding this program.

Are you still active? That was the question from a new member of our section in an email message sent to my attention several days ago.

Well of course the section is still active, was my initial thought. We are supporting the upcoming National Engineers Week activities; we are finishing off plans for the spring tech symposium; we are assembling a roster of candidates for the AIAA Reuben H. Fleet Scholarship program; we are working on the annual San Diego Section Awards dinner. Yes, we *are* active.

In retrospect, maybe this was too shallow a reasoning process on my part for truly answering his question. Certainly some on the council are still active; Bill Chana is still active, he personally does more for this section than any ten others combined. Certainly Tom Chandik is still active, whenever I need help I know his hand will be either the first or second one in the air; also his advice (and especially the consideration and effort behind the advice) is always very timely and of great help to me. Certainly Hans Weber is still active. Hans answered my 'Call For Solutions' last fall and with the help of the SDSU student branch has put together a *top-drawer* display table for the engineers week dinner. Certainly Ivan Getting is still active, he has been inducted into the San Diego Aerospace Museum Hall of Fame for a lifetime of activity. Certainly Tim Lo, SDSU student branch chairman is active, actually Tim is hyperactive and it's not a result of diet. Mr. Lo has led the SDSU Student Branch into a new era of AIAA student activity. He has assembled a task force of students to attack the AIAA Design/Build/Fly (DBF) competition, and I'm not speaking of just the design and fab'ing of the vehicle. Through his leadership, resourcefulness, and hard work the students have pulled together a fund raising campaign that has raised over \$3,000 for DBF. Through his leadership SDSU Student Branch has increased the visibility of AIAA on the SDSU campus with several different outreach programs, and in his spare time he has excited his student membership with presentation and business meetings featuring local aerospace professionals. Managers, department heads, company owners take note; this young engineer is a graduating senior. Someone's going to snap him up. Maybe it should be you.

Certainly there are others in the San Diego Section that are active, but their numbers and accomplishments are just too numerous to mention in this article. Dr. George Faulkner for example is still active with his SDSU Student Branch and we've already seen their accomplishments.

Lest I go on infinitum, I guess the only question remaining is: "Are you still active?"

Membership News

Jim Peterson, Membership Chair

Section membership stands at 429 as of February 1st. We would like to welcome the following members to the San Diego Section:

New Members

Nino Abad	
James Abbott	Composite Optics, Inc.
George Barber	
Dr. J. R. Beyster	SAIC
Marcus Billings	Advanced Test & Analysis Engineering
CAPT James Camp	USAF
Emily Fung	UCSD
Kari Goulard	UCSD
David Griffiths	Wicks Development, Inc.
Tamara Grimmer	UCSD
Chet Haag	Photon Research Associates
Steve Harbater	TRW, Inc.
Nicolette Haritatos	
Eric Heining	Heining Enterprises
Jeffrey Hibshman	NAVAIR North Island
Christopher Hilton	SDSU
Michael Holland	SPARTA, Inc.
Michael Kostuck	Quartus Engineering
Steve Manganelli	NAVAIR North Island
Gregory Mehle	Composite Optics, Inc.
Ysha Mendelsohn	UCSD
Steven Miller	NAVAIR North Island
Andrew Mye	UCSD
Allison Nation	NAVAIR North Island
L. Merrill Palmer	BAE Systems
Lawrence Pratt	FAA
Paul Scanlan	L-3 Communications
Joseph Schmitt	Data Systems & Solutions
Justin Smith	UCSD
William Stahl	Orbital Network Engineering
Balachandar Varatharajan	UCSD
Guy Watanabe	UCSD
Joel Youngs	SDSU

Transfers-in

Scott Bartel	Blacksky
Peter Blaser	CD-Adaptco
Timothy Dwerryhouse	Carlsbad Design
Daniel Fink	Retired
Tim Johnson	USC
Vern Lochausen	Boeing
Joshua Robinson	UCSD
Dr. Edward Smith	

If you have changed your mailing address or have a new E-mail address, please call the **AIAA Headquarters Customer Service Center at 1-800-NEW-AIAA** and provide them with the current information. Remember,

mailing labels are printed using the information in the AIAA database. 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 at a lower rate.

If you have any questions about membership or advancing your membership grade, please contact Jim Peterson at (858) 279-1940, or email to: jdpete@pacbell.net.

AIAA Honorary Fellow Selected to IAHF

Bill Chana

AIAA Honorary Fellow, Dr. Ivan Getting of San Diego, will be honored March 16th when he is invested into the San Diego Aerospace Museum International Aerospace Hall of Fame. Dr. Getting earned his doctorate in astrophysics as a Rhodes Scholar at Oxford in 1935. In 1960 he was the founding President of the Aerospace Corporation, where he supervised the development of the Global Positioning System (GPS). He is the recipient of the AIAA Goddard Aeronautical Award, and has been recognized by the Section for his achievements.

Aerospace Lecture Series Huge Success

The 2001 San Diego Aerospace Museum/AIAA Aerospace Lecture Series was the most successful to date. Over 500 attended the first lecture by speaker BGEN Paul W. Tibbets, Jr., USAF (Ret.), the pilot of the Enola Gay. Total attendance for the four sessions was 1,070.

AIAA Evolution of Flight Art Contest

Due to several requests, the AIAA Evolution of Flight Campaign Art Contest deadline has been extended to April 1, 2002. For information on contest rules and entry forms, please visit http://www.flight100.org/what_intro.html. If you know any enterprising young student artists who may be interested, please pass them the following information.

WHO: Students from all over the world, ages 5-16.

WHAT: The 2nd AIAA Evolution of Flight Campaign Art Contest. Entries must be original artwork on an 8-1/2" x 11" sheet of white paper (no computer generated or three-dimensional art is eligible). Artwork should be based on the theme "2102 ... Life in Space". Imagine that in 100 years, mankind is living in space. Show examples of what you think "Life in Space" would be like - what would your school or home look like, would cars or food be different, what would vacations be like, what kind of pets would you have, or even show how society has benefited by living in space. Use your imagination! Winning artwork will be featured on the AIAA Evolution of Flight web site and in other AIAA promotional materials. Prizes will be awarded.

WHEN: Entries must be postmarked by 1 April 2002.

Entries postmarked after April 1, 2002 will not be considered in the contest.

HOW: Complete your artwork and write your first and last name and age on the front of your entry in the bottom right corner in black marker ink. Have your parent or guardian fill out and sign the AIAA Entry/Parental Contest form and mail the entire package to:

Evolution of Flight Campaign Art Contest
Attn: Kimberly Grant
1801 Alexander Bell Drive, Suite 500
Reston, VA 20191-4344

WHY: AIAA wants to excite and engage children of all ages in the upcoming centennial of the first successful, manned, controlled, heavier-than-air, powered flight by Orville and Wilbur Wright on December 17, 2003.

Launched in 1998, and operating in partnership with The Boeing Company, GE Aircraft Engines, Lockheed Martin Corporation, Northrop Grumman, Pratt & Whitney, Raytheon Company, Rockwell Collins and Snecma, AIAA's Evolution of Flight Campaign will celebrate the legacy of flight and serve to help define the next 100 years of aerospace innovation.

Impending Bylaws Revision

Bill Chana, History & Bylaws Chair

As required by the current Section Bylaws, this is the second notice to membership of a proposed Bylaws change prior to implementation. The Council established a "Bylaws Revision Ad Hoc Committee" to review the Section's Bylaws. The review has been completed and recommended changes incorporated. The revised Bylaws were submitted to the Council at its January meeting. Two Council members recommended further revisions, which are under review by the Ad Hoc Committee.

AIAA Section members can request a copy of the revised Bylaws by writing to the Section Secretary, Byron Lowry, P. O. Box 881464, San Diego, CA, 92168. The Council must approve any suggested amendments recommended by members. Following final approval by the Council, the Bylaws will be submitted to the AIAA Region VI Director for approval and submittal to the Institute's Board of Directors for their approval.

AIAA's Class of 2003 Ambassadors Visit San Diego

Chris Root, AIAA Education & Precollege Outreach Chair

Remember those AIAA Ambassadors you read about in the last newsletter. Well they have come and gone, but memories of their visit to San Diego will not soon be forgotten. A quick recap: Class of 2003 Ambassadors were selected by AIAA as a result of an essay contest and are a key component of AIAA's Evolution of Flight Campaign. This astute group has been treated to

educational field trips including the Advanced Space Academy at the U.S. Space and Rocket Center in Huntsville, Alabama; the U.S. Air Force Academy and the United Airlines Flight Training Facility in Colorado; and a VIP visit of Boeing Company in Seattle. Now our very own hometown can say we've been part of their lesson plan.

Their 3-day whirlwind visit began on Thursday December 6th, with a tour of the Naval Air Depot at historic NAS North Island, the "Birthplace of Naval Aviation." Later that same day, the Ambassadors participated in a tour of the USS Constellation Aircraft Carrier while in port. On Thursday evening, the San Diego Section members got a chance to meet and hear from each of these ambassadors during a reception dinner at The Windsock Grill, which overlooks Lindbergh Field. AIAA Distinguished Lecturer, William F. Chana, served as keynote speaker discussing the history of the Delta Wing. On Friday morning, December 7th, the Ambassadors observed the 60th Anniversary of the attack on Pearl Harbor at the San Diego Aerospace Museum followed by a VIP tour of the museum and restoration area. Later that afternoon the UCSD Student Chapter of AIAA graciously hosted a behind the scenes tour of the Engineering department's Earthquake Lab, low speed wind and water tunnels, CADAM lab, Vibrations lab, autoclaves, and EarthCam control room. Our special thanks goes out to Cesar Javellana, UCSD's AIAA Student Chair, and his chapter members for putting together this UCSD visit during final's week. To round out the Ambassadors trip, Saturday they headed up to Legoland for a little fun and some friendly competition in the Lego Mind Storm's Workshop.



Ambassadors at Naval Aviation Depot North Island, In Front of An F/A-18 Undergoing Depot Level Maintenance

The San Diego Section of AIAA takes great pride in playing a role in one of the more visible activities of AIAA's Evolution of Flight Campaign and inspiring the future leaders of aerospace.

To learn more about the AIAA Class of 2003 Ambassadors, and other Evolution of Flight activities, visit: http://www.flight100.org/activities_intro.html.



**Ambassadors and Ship's Crew
On USS Constellation Flight Deck**

Professor Massoud Simnad (1920-2001)

Bill Chana

Professor Simnad, 81, died in his sleep on December 15, 2001. In 1983, Professor Simnad was awarded the Section's award for "Outstanding Contribution to the AIAA San Diego Section." He was a full professor at UCSD and, in the early 1980's, he was the UCSD Faculty Advisor to the AIAA Student Branch. Several of his students were awarded AIAA San Diego Reuben H. Fleet Scholarships.

Dr. Simnad died in Charlottesville, Virginia, where he had moved late last year from La Jolla. He was scheduled to resume teaching in the spring semester. He had been an adjunct professor since 1981 in the department of mechanical and aerospace engineering. He was a native of Iran and became a U. S. citizen after accepting a guest fellowship in 1949 at the Carnegie-Mellon University in Pittsburgh.

Section Events Calendar 2001-2002

2001

- Sep 27 Dinner Meeting – Aerospace Systems Engineering, Dr. J. Snoderly (joint with INCOSE)
- Oct 9 SDAM/AIAA Aerospace Lecture Series – “The Return of the Enola Gay”, Paul Tibbets
- 18 AUVSI - Titan Corp., UAV Activities Brief.
- 25 SAMPE - Advanced Materials Forum
- 30 SDAM/AIAA Aerospace Lecture Series - “Pacific Dive Bomber Pilot”, Jerry Coleman
- Nov 13 SDAM/AIAA Aerospace Lecture Series – “The China-Burma-India Theater”, John Rossi & James Dalby
- Nov 29 Dinner Meeting – “ATLAS Rocket”, Dick Martin
- Dec 4 SDAM/AIAA Aerospace Lecture Series - “A Pacific War Symposium”
- 6 Class of 2003 Ambassadors Reception – “Delta Wing”, Bill Chana
- 7 SDAM, “Remembering Pearl Harbor” Fly-over Aerial Salute

2002

- Feb 22 National Engineers Week Banquet
- Apr 20 Tentative – Technical Symposium

Mark Your Calendar Now!

**43rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics,
and Materials Conference**

10th AIAA/ASME/AHS Adaptive Structures Conference

4th AIAA Non-Deterministic Approaches Forum

3rd AIAA Gossamer Spacecraft Forum

22 –25 April 2002

**Denver Marriott Tech Center
Denver, Colorado**

For more information on this event go to

www.aiaa.org

Mail this contribution form to: AIAA San Diego, P.O. Box 881464, San Diego, CA 92168.

AIAA San Diego – Reuben H. Fleet Scholarship Contribution

Please mark the appropriate box below and enclose your check. Make checks payable to “AIAA San Diego Section” and write “Scholarship Fund” in the memo field.

\$5 \$10 \$20 Other _____

Name: _____ Phone: _____

Address: _____

2001 - 2002 San Diego Section Council

Position	Name/Company	Work Phone	Email Address
Chair	Chuck Heichtland, THG Engineering	(760) 728-9239	heichtlandc@tha-enar.com
Vice Chair - Planning	Dan Hearn, Intel Recce Fund	(619) 462-8932	dhearn@cts.net
Vice Chair - Technical	Penelope Ulander, Naval Aviation Depot, NI	(619) 545-3935	Ulanderpj@navair.navy.mil
Secretary	Byron Lowry, Lockheed Martin Systems Int.	(619) 435-4327	Lowry.Byron@H60FIT.nasni.navy.mil
Treasurer	Colin Etheridge, Solar Turbines	(619) 544-5136	Etheridge_Colin_J@solarturbines.com
Program Arrangements	Tom Chandik, General Dynamics (ret.)	(619) 276-8961	
Field Trips	Jim Leland, Naval Aviation Depot, NI	(619) 545-2710	LelandJM@navair.navy.mil
Newsletter	Mike Lazar, Northrop Grumman Corp.	(858) 618-4208	mlazar@ryanero.com
Flyers	Angie Crenshaw, Naval Aviation Depot, NI	(619) 545-7962	CrenshawA@navair.navy.mil
Internet Webmaster	John Ogden, Weldmac Engineering		engineering@weldmac.com
Community Relations	Quentin Goss, USAF (ret.)	(858) 451-6213	Qigoss@worldnet.att.net
Public Policy	Vacant		
History & Bylaws	Bill Chana, W. F. Chana Associates, Inc.	(858) 488-7183	
Region VI Delegate	Keith Glassman, Naval Aviation Depot, NI	(619) 545-3736	GlassmanKF@navair.navy.mil
Membership	Jim Peterson, General Dynamics (ret.)	(858) 279-1940	Jdpete@pacbell.net
Honors & Awards	Doug Armstrong, USAF (ret.)	(858) 451-5637	Drdouqarm@aol.com
Professional Society Liaison	Warren Johnson, BFG Aerospace (ret.)	(858) 278-1317	Wmjohanson2@earthlink.net
Young Professionals	Mark Ringlein, SAIC	(858) 826-9064	mark.j.ringlein@saic.com
Education/Pre-College Outreach	Chris Root, Naval Aviation Depot, NI	(619) 545-0626	RootCB@navair.navy.mil
SDSU Faculty Advisor	George Faulkner, SDSU	(858) 270-6604	DGfJR@aol.com
SDSU Student Chair	Tim Lo		
UCSD Faculty Advisor	Robert Skelton, UCSD AMES Dept.	(858) 822-1054	bobskelton@ucsd.edu
UCSD Student Chair	Cesar Javellana		
AIAA SAN DIEGO SECTION	P.O. Box 881464, San Diego CA 92168		



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