



The Bay Connection

Newsletter of the San Francisco Section of the American Society of Mechanical Engineers

November/December 2000

Volume 7

Message from the Chair

by *Manuchehr Shirmohamadi*

In September we had an active month. Our dinner meeting on fuel cell (thanks to Rich Myhre) was a great success as we had good attendance, great food, and a lively Q&A. We also had our first free-dinner raffle! Congratulation to the winner! The baseball event, I am told, was great as well, especially since the A's won! October events included an executive committee meeting and our dinner meeting on Prop. 35. By the time you receive this newsletter, we've had our October meeting and I'm hoping the topic would have been a good source of information for those undecided.

We are shifting into second gear as we're getting ready for November and December events! We'll be starting with our joint event with Mt. Diablo section (November 1st) on what promises to be a lively and interesting lecture on the "Black Bird" (SR-71). Thanks to Manuch Nikanjaam, our new program chair, we are then having a tour of the NUMMI plant (December 11th) which promises to be interesting, educational and fun. This is going to be a very popular event and since NUMMI allows limited numbers for the tour, you want to sign-up for it early! For 2001, we're going to have a number of activities that I'll be presenting to you in the next newsletter. At this time, however, I should mention that we have managed to sign up Jon Kriegel, an ASME Distinguished Lecturer, to talk about the Chandra X-Ray Telescope on January 10th.

We are receiving comments and suggestions about programs from our membership! These suggestions are becoming our guide in deciding what activities we should program. Please keep them coming by letting any of the executive committee members know your ideas about new programs and your preferences. Finally, as volunteers, our biggest reward (and joy) is to see and meet you in person in our activities. So, on behalf of all of us in the executive

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SR-71 Blackbird Pilot Colonel Graham is Our November Mtg

CALENDAR OF EVENTS

Nov 1 Dinner Meeting "SR-71 Blackbird" 6pm at the Oakland Marriott City Center

Nov 9 SCVS Small Business Forum 6:30pm at Harry's Hofbrau, 399 W. El Camino in Mountain View, for info call (650) 563-9077

Dec 5 S.F. Executive Committee Meeting 6:30pm at Material Integrity Solutions, 3254 Adeline St. Suite 200, Berkeley

Dec 11 NUMMI Plant Tour at 5pm, 45500 Fremont Blvd., Fremont

Jan 10 (date tentative) Distinguished Speaker Meeting with Jon Kriegel on the Chandra X-Ray Observatory

All of the Bay Area ASME Events were not available for this publication. Check our website at sf.asme.org for the latest dates, locations and times.

We are proud to offer you a "coup" of a guest speaker on the evening of November 1, 2000. We will have Colonel Graham, the author of SR-71 REVEALED, THE INSIDE STORY on hand to discuss his adventures. Colonel Graham was an actual pilot from 1974 to 1981 on the SR-71 Blackbird, a Mach 3+ plane now exclusively used by NASA.

Date: November 1st

Location: Oakland Marriott City Center, 1001 Broadway (510) 451-4000

Dinner: Chicken

Cost: \$30 per person

Time: Social at 6:00, Dinner at 6:30, Presentation at 7:30.

RSVP: (415) 721-4478 for voice or email to rsvp@sf.asme.org

So, keep this date reserved! Checkout the website "habu.org" for SR-71 history and information.

DON'T MISS THESE EVENTS COMING UP . . .

November 1st Dinner Meeting

SR-71 Pilot Speaks at the Oakland Marriott City Center (details on page 1)

December 11th NUMMI Tour

5pm at the NUMMI Plant in Fremont (details on page 4)

January Distinguished Lecturer

Jon Kriegel on the CHANDRA X-Ray Observatory (details on page 2)

Message from the Chair

(continued from page 1)

committee, we thank you for encouraging us by your participation and we look forward to meeting more of you in our future events.

Mentoring for ASME Student Members

ASME International is happy to announce that they are launching a new e-mentoring program for ASME student members.

Here's how it works. ASME member engineers register to become mentors on our site. After you submit your information, it is posted (without name and contact information) on the special e-mentoring site for students to look at. Student members will then look at the information, register and choose a mentor (top 3 choices). They will be matched by ASME and contact information will be sent to both parties. After a mentor has been matched, his/her information will be removed from the database.

Please take a look at the site at www.asme.org/ementoring and spread the word. Once sufficient mentors are registered, the site will be advertised to students. If you are unable to make the commitment to mentor, you can still help students and young engineers online by answering questions on the Online Q and A at www.asme.org/youngengineers/QnA.html. With your help, this program will be a great success.

Small Grant Solicitation Posting on Website

Solicitation #00-03 of the Energy Innovations Small Grant Program has been posted on the Commission's website. Applications must be submitted by October 31, 2000. Please go to: "<http://www.energy.ca.gov/contracts/smallgrant>" for more information.

Distinguished Lecturer Series Presents The Chandra X-Ray Observatory

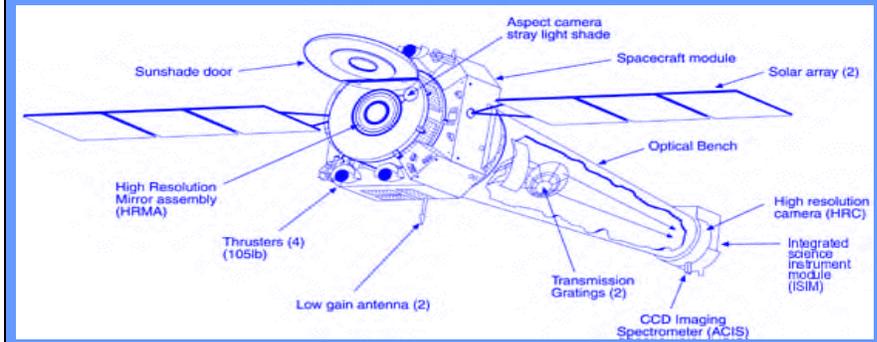
NASA's premier X-ray observatory was named the Chandra X-ray Observatory in honor of the late Indian-American Nobel laureate, Subrahmanyan Chandrasekhar. Known to the world as Chandra (which means "moon" or "luminous" in Sanskrit), he was widely regarded as one of the foremost astrophysicists of the twentieth century. NASA's Chandra X-ray Observatory celebrates its initial year in orbit with an impressive list of firsts. Through Chandra's unique X-ray vision, scientists have seen for the first time the full impact of a blast wave from an exploding star, a flare from a brown dwarf, and a small galaxy being cannibalized by a larger one.

This talk in the lecture series exposes the audience to the satellite telescope's intended uses and its place in the evolution of our knowledge of the Universe. Launched in July 1999, the Chandra is being used to study the X-ray properties of distant galaxies, neutron stars, black holes, quasars and other high-energy sources. This Telescope represents a 100 X improvement over previous imaging and information gathering capability, and will help to unlock the secrets of the Universe.

Our speaker, Mr. Jon Kriegel, was part of the design team at Eastman Kodak Company, where the telescope was designed, fabricated and assembled. This presentation covers the technological advances made in creating the most perfect reflective surfaces ever produced; in establishing strain-free mounts for 450 pound mirrors; in assembling and aligning multi-story components, in Class-100 clean-room conditions, and other "solutions" which advanced the state-of-the-art called mechanical engineering.

Tentative Date: January 10, 2000

Check our website at sf.asme.org for updates to this scheduled special event. Time, cost and location will be available soon!



San Francisco Section MEMBER SERVICES

Interested in volunteering with the San Francisco Section? Contact the Chair directly, attend an executive committee meeting or talk to a committee member at one of our events. For voicemail, call (415) 721-4478 or email the webmaster at sf.asme.org and get involved with your Section!

Want to advertise in "The Bay Connection"? We have multiple rates available; \$50 eighth page, \$100 quarter page, \$200 half page, or \$400 for full page ads. Contact us through our website at sf.asme.org or call the San Francisco voice mail number at (415) 721-4478.

ASME International San Francisco Section

ARTICLE C.5.1.2 of the Constitution of the American Society of Mechanical Engineers (revised to March 18, 2000) states: The provisions of the Constitution and By-Laws and Society Policies established by the Board of Governors of the Society shall govern the procedure of all units of the Society but no action or obligation of such units shall be considered an action or obligation of the society as a whole. This provision shall be imprinted on any publication issued by such units.

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Have a "Letter to the Editor?" We value your contributions! Email or fax any comments, suggestions or news items to the numbers above, or "snail mail" to ASME SF Section Newsletter 1500 Oliver Rd #K PMB291 Fairfield CA 94533

Join in the 2000-01 Membership Drive!

The ASME 2000-01 Membership drive was launched this July. This year's theme is "The Introduction of a Lifetime". When you introduce a potential new member to ASME, everybody wins. If you need a refresher course on membership benefits, visit www.asme.org/member/benefits. Visit our website at www.asme.org/membershipdrive and encourage your colleagues to investigate ASME membership. Order membership information by phone at (212) 591-8324.

Recent Grad? Upgrade Your ASME Membership NOW!

Receive an Upgrade to Associate Member upon Graduation – at the student rate, with help from Region IX.

Get the great ASME magazine – Professional Development Courses Available – Professional Papers and Journals Available – Network with local practicing Mechanical Engineers – Industry job contacts – Technical information.

Region IX will pay half of the dues (\$20.00) for the first year of Associate membership upon graduation. You only pay \$20.00, the same as your student dues.

APPLICATION PROCESS FOR REGION IX UPGRADING ASME STUDENT MEMBERS:

Minimum Applicant Qualifications: ASME Student Members, graduating from a Region IX school and upgrading to ASME Associate Member. Time limit: ASME Western Regional Office must receive the applicant's dues statement, \$20.00 check, and request letter by December 31st of the ASME Student Member's graduation year.

Application couldn't be easier! To apply, send the applicant's dues statement, check for \$20.00 and request to Region IX matching contribution to the ASME Western Regional Office at the address below. If you have any questions, please call the WRO at 800.624.9002. Please be sure to update your address, phone number, email address, and other pertinent information. Send to:

**ASME Western Regional Office
119-C Paul Drive
San Rafael, CA 94903**



The American Society of
Mechanical Engineers
S.F. Section, c/o Western Regional Office
119-C Paul Drive

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San Francisco Section Newsletter

NUMMI Tour on December 11th

ASME San Francisco Section

Join us for an exiting tour that will include:

- ?? A company overview (History of GM/NUMMI joint venture, NUMMI facts and figures).
- ?? Pictorial description of the automobile building process in sequence, from stamping, body/weld, paint, plastics and assembly.
- ?? Tram ride. Visitors will be driven through different areas in the plant while the tour guide narrates what they see. This includes part of the passenger line, body/weld, stamping, and truck.
- ?? Presentation by Mr. Doug Schiel, Quality Assurance Manager, followed by questions and answers and dinner in the cafeteria.

This event is limited to **24 people**, so please make your reservations early. Preference will be given to ASME members. RSVP by voicemail to (415) 721-4478 or email to rsvp@sf.asme.org.

Directions from the North: Take the second Fremont Blvd exit off the 880 freeway (after the Automall parkway exit), turn left and go over the freeway. NUMMI will be on your right. Enter through Main Gate #5.

Directions from the South: Take the Fremont Blvd exit off the 880 freeway (before the Automall parkway exit), turn right and you will see the NUMMI plant on your right. Enter through Main Gate #5.

Arrive between 5:00 and 5:30 p.m. Tour will start at 5:30 and anyone arriving late will be left behind.

The New United Motor Manufacturing, Inc. (NUMMI)
45500 Fremont Blvd., Fremont, CA 94538

