

# AIAA SAN FRANCISCO SECTION



## IN4M-LETTER

VOLUME XLIV, NUMBER 1  
SEPTEMBER-OCTOBER, 2002

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS SAN FRANCISCO SECTION  
P. O. BOX 1548, MOUNTAIN VIEW, CA 94042 <http://www.aiaa-sf.org>

### Oakland North Field Designated as Historic Aerospace Site

In recognition of its role as the staging point for many events in aviation history, AIAA has designated Oakland Municipal Airport, now the North Field of Oakland International, as a Historic Aerospace Site. This month, the airport celebrates its 75 anniversary. Activities surrounding the celebration include:

- AIAA SF section dinner meeting (September 26) focusing on the history of Oakland North Field. (See article below.)
- AIAA Historic Aerospace Site Dedication (September 29) at the Oakland North Field Terminal Building. (See page 7.)
- Oakland International Airport 75 Anniversary Reshow (September 28-29).

Thursday, September 26, 2002

#### Western Aerospace Museum, Oakland, CA Oakland Airport and the Dawn of Trans-Pacific Flight

Ron Reuther, former director, Western Aerospace Museum

The year was 1927. Oakland Airport was established. It was a pivotal year in commercial aviation history, and Oakland Airport played a starring role as those historical events unfolded. As soon as Charles Lindbergh touched down in Paris, city fathers in Oakland scrambled to complete their construction of a world-class airport in Oakland. Before they could even finish the hangers, the brand new runway had immediately become the staging point of choice for the earliest pioneering efforts to cross the Pacific by air.



Above, Western Aerospace Museum, in Oakland.

The list of aviation luminaries to make their mark at Oakland Airport reads like an aviation hall of fame: Hegenberger and Maitland, Smith and Bronte, Charles Lindbergh, Sir Charles Kingsford-Smith, and of course, the first lady of aviation, Amelia Earhart, who called Oakland Airport "my favorite."

*Oakland, continued on page 7*

Thursday, October 24, 2002

#### Wyndham Sunnyvale Hotel, Sunnyvale, CA Convair B-58: World's First Supersonic Bomber

Larry Rinek, Director of Consulting, Industrial Technologies, Frost & Sullivan

The Mach 2+ Convair B-58 Hustler, the world's first supersonic bomber, and considered quite advanced when first flown in 1956, made an important contribution to U.S. military aviation history. As a front-line USAF intercontinental strategic nuclear medium-weight bomber, the B-58 served America well as a deterrent force from 1960 to 1970. Not used in combat, the B-58 nonetheless did play a useful role in the Cuban Missile Crisis of 1963.



Relatively small, fast, and sleek, the Hustler exhibited the feel and performance of a supersonic jet interceptor. The B-58 was sensa-

*Convair B-58, continued on page 7*

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## Chairman's Perspective Goals, Grassroots, Getting Involved

(Editor's note: In June 2002, Seth Kurasaki became the new chairman of the AIAA San Francisco section.)

In the history of the San Francisco Section, we have seen many events unfold before us. None have had the impact as much on us so recently as the 9/11 tragedies which continue to impact our lives in ways that we did not think possible earlier. How we let the recent events affect us is actually of our own choosing.

Because of this highly visible event, our elected representatives are now making decisions in the air transportation area that will affect us directly and in varying other ways. Whether it's creating new technology, limiting critical jobs to Americans, dealing with crowded terminals, deficit spending, rushed legislation, or something else, the impacts will be felt for many years to come and some but not all of the decisions will be welcome by everyone.

The question posed before us is what, if anything, do we want to do about it?

Like the weather, many of us talk about it but feel they can't do anything about it. Others know that they can if they want to. Your San Francisco Section has several ongoing venues that will allow you to create such an impact – if you want to.

We have a trial program going on right now to help you conveniently access information that may be useful in making your decisions and to air your views. It's called the *Grassroots Program*. Through the Grassroots Program, you can air your views, obtain relevant information, and communicate with your elected representatives through the power of the Internet that other Sections don't have available to them now. Our Public Policy Director, Todd Farley, will be hosting a series of workshops in the near future and the dates of these workshops will be posted in the AIAA newsletter. If you're interested, contact him at (pub-pol@aiaa-sf.org). Whether you like it or want to see it improved, let us know.

In addition, every year we send a small contingent to Washington DC to meet with our representatives at what the AIAA calls Congressional Visits Day. They meet face to face to air issues with our representatives that we consider important. For example, the European Community will be trying to take the aeronautics lead away from the US by 2020. But this developing crisis, which started with Airbus, does not garner front page news. The future impacts are becoming deleteriously clear and their growth in market share of passenger airliners will have major repercussions on American aerospace research and industries. As you can also expect, legislation will become a part of addressing this concern. If you want do something about this, or provide another issue on something in this area, let us know too.

Another area we are active in is the NASA Ames Research Center – AIAA San Francisco Section Galileo Memorial Scholarships. Every year, we try to select promising High School students in the eight San Francisco Bay Area county public high schools who express an interest in pursuing careers in science and technology and provide them a scholarship to help them in pursuit of their goals. Finding talented and interested students pursuing science and technical careers, and who can write winning essays, are diamonds that we need to discover and polish. They will be needed

to maintain and protect US long term interests. Our funding of this program is not unlimited and we have a desperate need to continuously replenish these funds so that we can continue this worthwhile endeavor. We can use some help here.

Baby Boomers have started to leave the workforce and others will follow shortly. Their replacements will not only be sorely needed in the science, technology, and engineering areas but the teaching area also. I spoke with several High School teachers and was told that, in California alone, over 220,000 teachers will need to be found in the next several years to replace those retiring. Schools are even offering jobs to college students still two years away from graduation in the hopes of filling positions that will be vacated. Will these future teachers be able to teach our next scientists and engineers so that we can continue with our technological advantage to foster and maintain national interests?

In these times of change our Section Goals remain the same:

- To provide a forum for you to express your views.
- To provide information on space, aviation, politics, current events, and other things of interest to the membership via the Grassroots Program, our dinner meetings, Congressional Visits Day, symposiums, and other local events to enlighten, entertain, and communicate.

So I ask that you join us actively, not just because you need the membership to present your research papers, find out what's happening in the latest technology, or advertise your company, but because you want to do something more.

The 100<sup>th</sup> anniversary of the Wright Brothers first powered flight will be upon us in about eighteen months from now and it will likely be a grand event. But anniversaries are a celebration of the past. We also need to continue the course for the future and your inputs are a big part in helping us steer that course.

Come to any of our dinner meetings and feel free to air issues that you feel are important. Visionaries are welcome.

Seth Kurasaki, Section Chairman  
AIAA San Francisco Section

## New Section Officers Elected

The new chairman of the AIAA San Francisco Section is **Seth Kurasaki**, who automatically moves from vice-chairman in accordance with the section by-laws.

The following officers were elected to the term running from June 2002 to May 2003.

Vice-chairman **Fanny Zuniga** was formerly the treasurer and programs director of the section.

Secretary **Roger Martinez** continues as secretary, and was previously programs director of the section.

Treasurer **Rick Kwan** is also newsletter editor and on-line systems administrator.

## May 2002 Dinner Meeting Retrospective Under African Skies

(Editor's note: This article, which is based on the May 2002 dinner meeting, talks about the summer 2001 expedition of Under African Skies. A new expedition was just completed for summer 2002.)

During the summer of 2001, Kevin Hand organized an expedition in twelve African countries in conjunction with the total solar eclipse. Kevin, a graduate student in the mechanical engineering department at Stanford, spoke about his experience at the AIAA San Francisco section on May 23. A group of graduate students, scientists, and educators visited by bus 14 primary schools, 20 secondary schools, and three universities. Regrouped under the name *Cosmos Education*, their goal is to promote science and technology education in developing countries. Through demonstrations, games, and discussions, they inspired local students and teachers.

The level of organization, quality, and funding varied tremendously from school to school but they always welcomed the members of Cosmos Education. Teaching material was provided, including thousands of pairs of special sunglasses to safely observe the eclipse. Some of the most interesting visits were impromptu stops including one school where the teachers were on strike and the students forced to play soccer.

The African members of Cosmos Education were essential role models for the young students. They demonstrated that it is possible to pursue a career beyond their village, beyond their dreams. The Africans graduate students also provided a much needed translation service. Although English was widely used, a



**Kevin Hand** provides multimedia presentation on 2001 expedition.

local language is sometimes the only means of communication.

A three-day conference in Lusaka, Zambia concluded the expedition. Teachers and principals met to exchange ideas and receive training. The last day of the conference coincided with the total solar eclipse.

When not traveling abroad, Cosmos Education focuses on identifying the schools' needs and sending them teaching materials.

### Additional Information

- Cosmos Education website includes photos and multimedia presentations from expeditions:

<http://www.cosmoseducation.org>

(This article was initially prepared by Bruno Geoffrion.)



Galileo Award winners presented with scholarships and certificates. From left, AIAA SF section chair **Gano Chatterji**, 2nd place for **Andrew Baumgartner** accepted by sister **Megan**, 1st place **Karl Schulze**, 3rd place **Shruti Saini**, NASA Ames assistant to the director **Jack Boyd**.

### Pre-College Outreach

## Galileo Memorial Scholarships Awarded

Winners of the 2002 Galileo Memorial Scholarship were announced at the May 2002 dinner meeting of the San Francisco Section. This year, the awardees are:

- 1st place: **Karl R. Schulze**, Amador Valley High School, Pleasanton, in Alameda County.
- 2nd place: **Andrew D. Baumgartner**, Marin Catholic High School, Kentfield, in Marin County.
- 3rd place: **Saini Shruti**, Merrill F. West High School, Tracy, CA. Saini is the daughter of a NASA Ames employee.

Established as a collaborative effort between NASA Ames Research Center and the AIAA San Francisco Section, the scholarship program is a memorial to the NASA crew members who perished on the Ames Galileo I aircraft on April 12, 1973. It is open to high school seniors who intend to pursue a career in engineering, mathematics, or physical or natural sciences. Applicants are from the Bay area counties served by the AIAA SF Section, or are children of NASA Ames employees and contractors.

At the dinner meeting, members have the opportunity to meet the winners, who are selected from a highly competitive pool of applicants.

And this year, we even brought in a special cake. (See below.)



## Section Honors and Awards

The AIAA San Francisco Section announced Engineer of the Year Awards and singled out many of its members for various recognitions at the Celebration of Flight Banquet, held at the Hiller Aviation Museum, San Carlos, on June 27.

### Engineer of the Year

The AIAA San Francisco Section announced Engineer of the Year awards in the following categories.

- In Project Management, to **Gary C. Teater** of Lockheed-Martin  
In recognition of the contributions made to the Nation's Defense through Fleet Ballistic Missiles (FBM) and THAAD Missiles.
- In Aeronautics, to **Bruce Storms** of AerospaceComputing  
For his contribution to airframe noise reduction through aerodynamic measurements of the Flap Edge model, co-development of the Flap Tip Fence and experimental noise measurements that have provided the basis for new airframe noise models.

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## Technical Committee Nominations Open

Nominations for AIAA Technical Committees are now open. Nominations close November 1 and new members take office in May. Young professionals are especially encouraged to apply for TC membership. Self-nominations are accepted.

Technical Committees organize conferences, create and update standards, publish design guides and journals, conduct professional development courses, and administer awards and scholarship programs. Membership usually requires a commitment to attend three committee meetings each year and to complete assignments between meetings.

Participation in AIAA technical committees is an excellent professional development activity. Active participants not only stay current with the state of the art in their discipline through TC activities but also learn leadership skills. Members build lasting relationships with peers who may also be customers, suppliers and competitors. Young Professionals may join a technical committee as an associate member - and they don't count against the TC's limitation of 35 members. Young Professionals can contribute to technical committees even without extensive background in the discipline - if they are willing to contribute to successful TC operations.

Find the nomination forms or nominate online at <http://www.aiaa.org/about/index.hfm?abo=5>. You can find a list of active technical committees and links to their websites there. A description of each TC's scope is available at <http://www.aiaa.org/about/index.hfm?abo=530>.

## Special Service Citation

AIAA presented the Special Service Citation to **Richard J. Kwan**

In appreciation for taking the San Francisco Section newsletter to a new level of excellence and the countless hours spent on the website and monthly e-mail updates.

## Membership Anniversary Awards

AIAA recognizes the following members for their continuous membership in AIAA or its predecessor societies -- the American Rocket Society (ARS) and the Institute of Aeronautical Sciences (IAS).

**60 Years:** Otto Berger, Roy Cornwell, Hubert Drake, Lawrence Low

**50 Years:** Walter Nelms, H. Ogle, Robert Olsen, Nicholas Rott, John Sheport

**40 Years:** Robert Cannon, Robert Hermsen, Martin Krop, Charles Kruger, Marshall Marlowe, Michael Mendenhall, L. David Montague, J. Reding, Lewis Schiff, Richard Wallace, Raymond Willie

**25 Years:** Edwin Aiken, John Anderson, Stanley Berger, Michael Briggs, Gerald Corbett, A. Fernandez Pello, Michael Green, Kelly Morger, David Schaechter, Bernald Smith, Howard Trudeau, Robert Whitten

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## Short Notes

### Fermented Fluid Mechanics

Imagine going with your colleagues and Wernher to a brew-pub after work to talk about your favorite moon-landing ideas. This is the essence of the *Fermented Fluid Mechanics Forum* (FFMF), an informal gathering brought to you by AIAA SF. FFMF events are usually held on the first Friday of each month in Mountain View for technical professionals to enjoy some food, drink, and a maybe a couple of matches of every dynamicist's favorite game (pool, of course!). *The next FFMF:* October 4 (the 45th anniversary of Sputnik I) at Sport's Page, 1431 Plymouth St., Mountain View. (Left on North Shoreline Blvd.) It will run from 6:30 pm until at least 7:30pm.

### The Wright Stuff

**Dr. John Anderson, Jr.**, of the National Air and Space Museum, gave a well-received presentation on the race for the first powered flight, at the Celebration of Flight Banquet, held at the Hiller Aviation Museum, San Carlos, on June 27. He focused on and contrasted Samuel Langley and the Wright brothers. With no outside prompting, many attendees knew to bring their copies of Dr. Anderson's textbooks and get them autographed. (*Editor's note:* We hope to bring you a review of that talk in a future issue.)

### Robotics Against the Big Guys

Members of **AVBotz**, the Amador Valley High School Robotics Club, gave an informal technical seminar on their autonomous underwater vehicles, held at the Moffett Training and Conference Center, Moffett Field, on July 26. Team lead was **Karl Schulze**, winner of this year's Galileo Memorial Scholarship. The team's submarines have competed favorably against a field including MIT, Cornell University, Duke and North Carolina State Universities, U.S. Naval Academy, and others. (*Editor's note:* more on this in a later issue.)

## Essay Awards

### Where Do You Want To Go Tomorrow?

Held each year to commemorate the first manned landing on the moon, AIAA SF sponsors an essay contest for 7th and 8th graders. U.S. Savings Bonds of varying denominations are awarded to the first, second, and third place winners in each grade. The theme for this year's contest was Where should we go next in the solar system, and why? This year's awards were presented at the July 25 section dinner meeting. In addition to the first place essays being



Essay winners, sponsoring teachers, relatives, and friends.

published here, the winning essays will be available on the section website at <http://www.aiaa-sf.org>.

This year's winners are as follows:

#### 7th Grade

- 1st place - **Hillary Struthers**  
School: Stone Valley Middle School, Alamo  
Sponsoring teacher: Mrs. Roxanne Luther
- 2nd place - **Shenho Hshieh**  
School: Redwood Middle School, Saratoga  
Sponsoring teacher: Ms. Julie Shultz
- 3rd place - **Alex Yee**  
School: Redwood Middle School, Saratoga  
Sponsoring teacher: Ms. Julie Shultz

#### 8th Grade

- 1st place - **Mariana Lo**  
School: Redwood Middle School, Saratoga  
Sponsoring teacher: Ms. Julie Shultz
- 2nd place - **Christina Homer**  
School: Union Middle School, San Jose  
Sponsoring teacher: Mrs. Mary Martin
- 3rd place - **Anya Radanovich**  
School: Union Middle School, San Jose  
Sponsoring teacher: Mrs. Mary Martin

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#### Where Should We Go in the Solar System? Of course! Mars!

by **Hillary Struthers, 7th Grade**  
**Stone Valley Middle School, Alamo, CA**

Need a little excitement in your life? Look no further than the burnished deserts of gorgeous Mars! Mars has it all - sunlight, atmosphere, water, breath-taking landscapes; anything you could need is right here. Looking to meet new friends? Mars promises new life forms which could be life-long companions. If it's resources you want, mine the vast miles of Mars' iron-rich, volcanic plains and snow capped peaks. The environment hints of numerous species of life, some maybe just like us. The perfect place for lonely space travelers looking for that special microbe, where the whole family could meet new acquaintances - from microbes for the kids, to mature intelligent aliens (no guarantee).

Landing on the moon began an important process of expanding our thinking beyond Earth. Our close relationship with Mars and its inhabitants is sure to last eons. We could improve the living conditions for the microbe colonies, and after terraforming, we could live on Mars and study their fascinating customs. Coincidentally, this could make the environment more suitable for humans. Mars, whose red deserts could yield a myriad of undiscovered alien species, could be real estate to exploit if the new life forms prove to be null and void. We will undoubtedly be perfect landlords.

The best place for exploring in the solar system is Mars, because the promise of new life forms and terraforming is in the atmosphere! The science, resources, real estate, and friendships await you!

#### The Next Place to be Explored

by **Mariana Lo, 8th Grade**  
**Redwood Middle School, Saratoga, CA**

What part of the solar system should humans explore next? Among the many possibilities, which is the best? There could be many different answers to this. However, I think Earth's moon should be explored first.

Of course, our moon has already been the destination of many space flights. That should not disqualify it from consideration though, for there are many advantages in exploring Luna more thoroughly.

A practical reason would be the cost. Since the moon is very close to the Earth, it would not be so expensive to send missions there. Less fuel and supplies would be needed, which most would appreciate.

Another advantage to studying the moon would be to begin experiments with colonization in space. Again, the relative nearness of Luna would make these experiments and tests much less time-consuming and costly than conducting them on, for example, Europa.

On the same note, if we succeed in finding a way to settle and build on the moon, it could become the base for further space explorations. With the drastically reduced atmosphere and gravity of Luna, it would be much easier to launch space ships. They would not have to be equipped with as much fuel as is needed for lift-off from Earth.

In conclusion, there are many reasons to explore the moon first. This discussion of space colonies may seem more like science fiction than reality, but in the past, science fiction has proved to be the truth of the future.

## Leadership and the American Spirit

by  
**General John R. Dailey, Director  
National Air and Space Museum  
Smithsonian Institution**



On December 17, 2003, we will celebrate the centennial of the Wright Brothers first manned, powered flight. This singular accomplishment by two bicycle mechanics that had not finished high school would forever change the course of history and serve as the foundation for the extraordinary accomplishments in aviation, aerospace and science that have followed in the last century.

To celebrate and record these extraordinary achievements for the nation's history, the Smithsonian Institution's National Air and Space Museum was created by an act of the Congress in 1946 - Public Law 79-722, amended in 1966. From the public law came the NASM Mission Statement whose shortened version is to "Commemorate, Educate and Inspire" the nation and the world in the fields of aviation, aerospace and science. In accomplishing our mission, we provide a solid foundation for and an education on our nation's history in these fields, and continuing inspiration for the dreams of our next generations of aviators, space pioneers and scientists.

Upon entering the *Milestones of Flight* Gallery in the National Air and Space Museum, our visitors can experience first hand the most significant icons of the last century and the pioneers who made these dreams reality. The 1903 Wright Flyer hangs in the prominent central position in this gallery. Among the other prominent icons displayed are: "the Spirit of St. Louis" in which Charles Lindbergh made his historic solo flight across the Atlantic Ocean to Paris; the X-1 rocket in which Chuck Yeager broke the sound barrier; "Friendship Seven" in which John Glenn became the first American to complete three orbits of the Earth; Apollo 11 from which the first American astronauts descended onto the surface of the Moon; and a Moon rock which our visitors can not only see, but touch. The National Air and Space Museum and the country owe a great debt of gratitude to Dr. Paul Garber for his leadership, vision and untiring efforts in assembling the vast and unparalleled collection that we hold in trust for the nation today.

In our leadership role in commemorating these achievements, we have just celebrated 25 years in the flagship building on the National Mall. With our unparalleled collection of more than 53,000 artifacts, an internationally respected staff and enthusiastic volunteers -- we have hosted more visitors than any other museum in the world, with an average of more than nine million per year. In the past two years, we have completed significant upgrades to our infrastructure and our venues including the theater, planetarium, galleries, shops and restaurant - to prepare for the next generations of visitors.

We look forward to the leadership challenges ahead in the 21<sup>st</sup> century. We will proudly open the Steven F. Udvar-Hazy Center of the National Air and Space Museum at Dulles International Airport in December 2003. The new Center, in concert with the existing flagship building on the National Mall, will afford us the opportunity to showcase 100% of the national collection (with 10% on display at the National Mall Museum and another 10% on loan around the world).

The Center will be a destination site in Northern Virginia with an estimated 3.5 million visitors per year and will house more than 200 aircraft and aviation artifacts, 100 space artifacts and other artifacts from the collection. Among the icons to be displayed are an SR-71 Blackbird, the Dash 80 prototype of the Boeing 707, a B-17 Flying Fortress, a Boeing 307S Stratoliner and the Space Shuttle Enterprise. The Educational Center and its programs will be made available to schools around the country via electronic means and will also draw a wide audience of educators and students from all over the United States for seminars, camps and presentations. We are already at work on exciting new exhibitions and films planned for the next decade.

The Wright Brothers historic flight inspired generations of pioneers and leaders in the aviation, space and scientific fields. As the most visited museum in the world and a repository of the nation's history and heritage, we will continue to move boldly into the 21<sup>st</sup> century.

The traumatic events and challenges of the last 100 years, such as those that occurred on September 11, 2001, brought forth the great spirit, determination and leadership of the American people. In these times we have always drawn great strength from our heritage and traditions - the heritage and traditions that museums and institutions around the country including the National Air and Space Museum celebrate and commemorate. The American people have also risen to the occasion with enduring courage, innovation, and ingenuity sufficient to meet every challenge and maintain this great democracy and beacon of freedom for the world for the last 200 years. The men and women of the National Air and Space Museum intend to maintain our leadership role in commemorating our nation's accomplishments, educating our children and inspiring the next generations of aviators, space pioneers and scientists whose dreams and accomplishments we can not yet imagine.

**General John R. Dailey, USMC (ret.)**, has been the director of the National Air and Space Museum since January 2000, and was previously Associate Deputy Administrator at NASA when he retired from the U.S. Marine Corps in 1992.

His career in the Marine Corps spanned thirty-six years and included extensive command and staff experience. He has flown over 6,000 hours in a wide variety of aircraft and helicopters. During two tours in Vietnam, he flew 450 missions. He was promoted to the rank of general and named Assistant Commandant of the Marine Corps in 1990. He has numerous personal decorations for his service in the Marine Corps and NASA.

Oakland, continued from page 1

The flurry of successes, punctuated by utter tragedy, in those early years of flight make Oakland Airport a place of historic aviation significance, not merely among Bay Area airports, but among all airports worldwide. **Ron Reuther**, founder of the Western Aerospace Museum, in Oakland, will present the story of the airport and its role as the staging point for trans-Pacific flight. In addition to the buffet dinner, attendees will have the opportunity to tour the museum.

#### About the speaker

**Mr. Ron Reuther** graduated in 1951 from the University of California at Berkeley where he was a member of the National Championship Junior Varsity Crew and Air Force ROTC. He was also a PFC in the California Air National Guard. Graduating from Air Force Pilot School in 1954, he flew light bombardment and cargo, and troop carrier aircraft in Europe, Africa, the U.S. He flew with the Air Force Reserve and Army National Guard in California, Ohio, and Indiana and retired as a Lieutenant Colonel.

#### Additional Information and Reservations

- See "AIAA SF Section Events" on page 8.
- Reserve on-line at <http://www.aiaa-sf.org>.

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Convair B-58, continued from page 1

tionally hot, very loud, and a recipient of many trophies and international records for both speed and altitude. Only 116 airframes were built and two active SAC wings deployed, as superior adversary defenses (Soviet SAMs), new ICBMs (such as the Minuteman), and fresh competing supersonic bomber designs (like the FB-111) took precedence. The program also suffered from high costs and excessive hull loss rates. The elite B-58 aircrews, however, generally liked the high-performance Hustler. Many of the technology innovations commercialized in the B-58 (composite honeycomb sandwich construction, drag reduction via the "area rule" and conical-camber wings, enclosed crew escape capsules, etc.) were applied well to other aircraft programs.

**Larry Rinek** will outline program development, discuss the various technical innovations introduced by the Convair team, show the prototypes, and discuss key production models. He will also display some derivatives with special configurations. Larry will also show at the conclusion dramatic short video clips of the Hustler in action. Sit back and enjoy as we go back to the heart of the cold-war era of the 1950s-1960s. Members will not want to miss the action.

#### About the speaker

**Larry Rinek** began his lengthy career in the Southern California aerospace industry, and worked for NASA's Jet Propulsion Lab, Menasco's Burbank aircraft landing gear plant, and the USAF in El Segundo. Later, at SRI International and on behalf of the Stanford Transportation Group consultancy in Northern California, he performed many business and technology studies for aerospace clients over a 25+ year period. Since 1998, Larry has been Frost & Sullivan's Director of Consulting for a variety of industries. He is responsible for consulting project development and oversight, strategic project input, client liaison activities, proposal preparation, and mentoring of the research staff.

Sunday, September 29, 2002

North Field Terminal Bldg, Oakland Int'l Airport, CA

## Oakland North Field Site Dedication

During the 75th anniversary of the Oakland International Airport, the American Institute of Aeronautics and Astronautics (AIAA) will recognize its place in aviation history. Dignitaries of the institute and of the Port of Oakland will be on hand at Oakland North Field, where the airport began.

AIAA will unveil a plaque recognizing Oakland Municipal Airport, North Field, as it was originally known, as a Historic Aerospace Site. Only a handful of such sites have been recognized by the institute.

The list of aviation luminaries to make their mark at Oakland Airport reads like an aviation hall of fame: Hegenberger and Maitland, Smith and Bronte, Charles Lindbergh, Sir Charles Kingsford-Smith, and of course, Amelia Earhart.

#### Dedication Ceremony Details

The ceremony will be held outdoors in front of the terminal building (unshaded), beginning at 10am. It is usually cool in the mornings though (currently 60 deg at 9:30am). Restroom facilities inside the terminal will be available.

At the conclusion of the ceremony, a free shuttle bus will be available to take attendees to the Oakland 75th Anniversary Airshow, for those who are interested. Admission to the airshow is \$10; children under 12 are admitted free.

#### Additional Information

If you plan to attend, please RSVP acceptance by September 20 to Emily Springer. (703) 264-7533 or email [emilys@aiaa.org](mailto:emilys@aiaa.org).

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The **AIAA SAN FRANCISCO SECTION IN4M-LETTER** is a publication of the San Francisco Section of the American Institute of Aeronautics and Astronautics, a non-profit society whose primary purpose is to advance the arts, sciences, and technology of aeronautics and astronautics and to foster and promote the professionalism of those engaged in these pursuits.

**Section Officers and Council:** A complete directory of the section council can be found at <http://www.aiaa-sf.org>.

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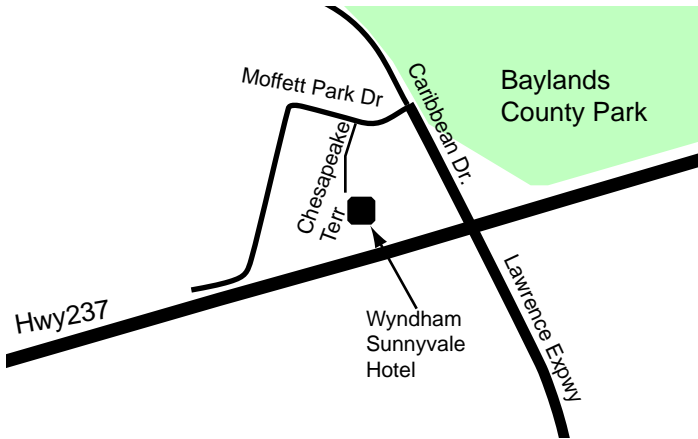
**Production Notes:** This publication was produced using Adobe FrameMaker 6.0 and converted to PDF by Adobe Acrobat Distiller.

**AIAA SF Communications Committee staff:** Rick Kwan, Katrina Thompson, Bruno Geoffrion, Corky Lakin

# Calendar

## AIAA SF Section Events

- Thursday, September 26, 2002: Ron Reuther on *Oakland Airport and the Dawn of Trans-Pacific Flight* - Western Aerospace Museum, 8260 Boeing Street, Building #621, North Field, Oakland Airport, Oakland, CA 94614 [Tel: 510-638-7100] Cost: AIAA members and guests - \$25, Students - \$14, non-members - \$30. Cash or check only.
- Thursday, October 24, 2002: Larry Rinek, *Convair B-58: World's First Supersonic Bomber* - Wyndham Sunnyvale Hotel, 1300 Chesapeake Terrace, Sunnyvale, CA [Tel: 408-747-0999] Cost: AIAA members and guests - \$20, Students - \$14, non-members - \$25. Cash or check only.



- Friday, October 4, 2002: *Fermented Fluid Mechanics Forum* - Sport's Page, 1431 Plymouth St., Mountain View, CA. 6:30 pm until at least 7:30pm.

**Dinner Meetings Agenda:** No-host cocktails at 6:30pm, dinner & program from 7pm to 9pm. **Registration:** By Monday preceding dinner. On-line at <http://www.aiaa-sf.org>, or contact Programs Director by e-mail or phone. **Cancellation:** By Wednesday preceding dinner. Please contact Programs Director. (AIAA pays for all reservations, including no-shows.) **More Info, Questions, Comments, Jokes:** Contact our Programs Director at [programs@aiaa-sf.org](mailto:programs@aiaa-sf.org).

## AIAA National Meetings

Below are selected conferences and workshops sponsored or organized by AIAA.

- *Aircraft Technology, Integration, and Operations*, Los Angeles - October 1-3, 2002. ATIO 2002 focuses on *The 2nd Century of Aviation, a Bold New Era*.
- *World Space Congress*, Houston - Oct. 10-19, 2002. The WSC meets once every 10 years. WSC 2002, organized by AIAA, brings together the International Astronautical Federation (IAF), with the International Academy of Astronautics (IAA) and the International Institute of Space Law (IISL), and the Committee on Space Research (COSPAR).

Additional details may be found on the national AIAA website at <http://www.aiaa.org/calendar>.

**American Institute of  
Aeronautics & Astronautics  
San Francisco Section**

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Permit No. 936**

*Thursday, September 26, 2002 Western Aerospace Museum, Oakland, CA  
Oakland Airport and the Dawn of Trans-Pacific Flight*

*Thursday, October 24, 2002 Wyndham Sunnyvale Hotel, Sunnyvale, CA  
Convair B-58: World's First Supersonic Bomber*