As you read this issue of “Explorer,” plans are already in place for the upcoming AAS Annual Conference and National Meeting scheduled for December 2-3 at NASA JSC’s Gilruth Center in Houston, Texas. I invite you to drop by the annual History Committee meeting from 2-4:30 p.m. CST on Dec. 2 in the Rio Grande Room of the Gilruth Center. The annual meeting is always a great opportunity to put names to faces, and to establish or renew acquaintances.

As the end of each year draws near, I begin to compile a list of books on astronautics published during the past year. In addition to working with the lists that various individuals maintain throughout the year, I also use the power of the Internet to see what’s out there. Just for chuckles, I did a search on Amazon.com to see how many books were published this past year related to the 40th anniversary of Apollo 11. My first pass through the results identified 14 titles, and I’m sure that a more thorough search would turn up additional titles.

My initial reaction was that that appears to be testament to the enduring fascination of the public with one of the seminal events in human history. But the reality is that none of these made the national best-seller list. The best-selling one of the bunch currently ranks No. 3,137 on Amazon. None of the others even made it into the top 100,000! Maybe we need to have Oprah put in a good word for the recipient of the Emme Award each year.

I’m looking forward to seeing you all in Houston!

"Why should we try for space travel? It cannot be a substance of any kind that can be expected to pay. It can only be something intangible, not involving haulage, which is at the same time more valuable. There is something like that: Knowledge." — Willy Ley (1945) www.spacequotations.com
EMME AWARD FOR ASTRONAUTICAL LITERATURE

David Mindell named ’08 winner

The American Astronautical Society announced David A. Mindell as the recipient of the 2008 Eugene E. Emme Award for Astronautical Literature for “Digital Apollo — Human and Machine in Spaceflight” (MIT Press).

Mindell is Dibner Professor of the History of Engineering and Manufacturing, and Professor of Engineering Systems at the Massachusetts Institute of Technology. He was one of four finalists for the Emme Award. The others included:

Jeffrey Bennett for “Beyond UFOs: The Search for Extraterrestrial Life and Its Astonishing Implications for Our Future” (Princeton University Press).

Andrew Chaikin for “A Passion for Mars: Intrepid Explorers of the Red Planet” (Abrams).


The annual award, named for NASA’s first historian, recognizes an outstanding book that advances public understanding of astronautics. It rewards originality, scholarship and readability.

According to the AAS History Committee:

“This book tells an important story about the interaction between astronaut and computer in the technologically successful Apollo program, and at the same time suggests important questions about the future of the American space program. Clearly written and exhaustively researched, “Digital Apollo” is a noteworthy contribution to the history of astronautics and aeronautics and, for that matter, to the general history of technology.”

Mindell is also the author of “Between Human and Machine: Feedback, Control, and Computing before Cybernetics.”

Finalists for Emme Award

Insightful books on ETs, HST and Mars

In its annual review of nominations for the 2008 Emme Award for Astronautical Literature, the AAS History Committee wanted to recognize the finalists for their excellent work.

“The Universe in a Mirror: The Saga of the Hubble Space Telescope and the Visionaries Who Built It”  
By Robert Zimmerman  
Publisher: Princeton University

A good account of the historical origins of the Hubble Space Telescope (HST). Perhaps unavoidably, it covers much of the same ground as earlier books on HST, but it does add valuable material on the science performed by HST. Zimmerman makes extensive use of a variety of source materials to bring HST history up to at least the decision to perform the last servicing mission in 2009. He acknowledges the importance of human-machine interaction in space to sustain the HST mission over so many years. — Rick Sturdevant

“A Passion for Mars: Intrepid Explorers of the Red Planet”  
By Andrew Chaikin  
Publisher: Abrams

An extremely readable, purposely personal account from someone with a lifelong interest in human space-flight. From the enduring human vision to the reality of robotic missions, both successful and otherwise, this book recounts the compelling, centuries-old urge to know more about the Red Planet. Its compositional style is akin to what Arthur C. Clarke might have written. A host of wonderful illustrations complement the narrative, leaving readers inspired to join a crusade and lift high their banners with words like “Onward and Upward to Mars.” — Rick Sturdevant

“Beyond UFOs: The Search for Extraterrestrial Life and Its Astonishing Implications for Our Future”  
By Jeffrey Bennett  
Publisher: Princeton University Press

Although you might initially think that this was one more book about alien abductions, you would be pleasantly surprised to discover a very readable and scientifically credible account of what life might look like elsewhere in the universe, the conditions necessary for its presence, and how we might detect that presence. The author provides a primer on astrobiology that guides the moderately informed and interested reader through an understanding of the basic pieces of knowledge that assemble to form our understanding of the universe around us. He is not shy about addressing some of the more contentious and sometimes sensational topics that arise when discussing extraterrestrial life, such as alien visitations (he is clearly skeptical). He also clearly differentiates between accepted fact, and personal opinion based on his assessment of the facts. Altogether, a very readable and educational account that will only disappoint those who were expecting a close encounter of the fourth kind. — Mike Ciancone

Nominations sought for 2009 Emme Award

I invite readers to bring to our attention eligible titles published in 2009. We assemble this list to ensure that we have a comprehensive idea of the titles published each year, especially those with small print-runs or that are published by small or specialized presses. Please send nominations to: michael.ciancone@nasa.gov. Please be sure to identify the title, author, and include publisher contact information, if known, such as mailing address or Web site URL. — Mike Ciancone
Report offers insight into search for Apollo 11 tapes

The details of the search for the original Apollo 11 telemetry tapes are summarized in a report released recently by NASA.

When astronauts first walked on the moon, a special camera transmitted raw footage to Earth where the original signals were recorded on one-inch telemetry backup tapes at three tracking stations in California and Australia. The image quality recorded on the tapes was considered far superior to the public television footage because it did not have to be adapted to meet U.S. and international broadcast standards.

According to the 20-page report: “While the public saw blurry, ghost-like images, the (NASA) engineers saw clear, crisp video.”

The findings in the report conclude that the tapes “were degaussed, recertified, and reused to satisfy a NASA-wide shortage of one-inch tapes more than a decade later. NASA’s (M-22) recordings of the Apollo 11 moonwalk likely were gone forever.”

The full report can be downloaded at NASA’s Web site under its News and Features/Reports section or by clicking here.

NASA TV receives Emmy Award

NASA Television received a Primetime Emmy Award recently by the Academy of Television Arts & Sciences. The 2009 Philo T. Farnsworth Award recognized the agency for engineering excellence and the 40th anniversary of the technological innovations that made possible the first live TV broadcast from the moon by the Apollo 11 crew on July 20, 1969.

Richard Nafzger, an engineer at NASA’s Goddard Space Flight Center in Greenbelt, Md., accepted the award on behalf of NASA. Nafzger was 28 years old when he worked with the team that brought TV coverage from the moon to a world-wide audience estimated at more than 600 million people.

Paper takes in-depth look at Chinese space program

The American Academy of Arts and Sciences recently released a study on the Chinese space program. “A Place for One’s Mat: China’s Space Program, 1956–2003” is the fifth paper of the Academy’s Recconsidering the Rules of Space project which was started in 2002.

The paper focuses on three events as China became a space-faring nation: its first satellite launch in 1970, its first communications satellite launch in 1984, and its first piloted spaceflight (Shenzhou 5) in 2003. Each of these events is placed in the context of China’s internal history.

The full report can be downloaded at the American Academy of Arts and Sciences Web site or by clicking here.

NASA announces screening of potential shuttle artifacts

NASA has invited eligible educational institutions, museums and other organizations to register to screen potential space shuttle artifacts.

The artifacts represent significant human spaceflight technologies, processes and accomplishments of the shuttle program. More information about the types of artifacts that may be available is included in a brochure, “Space Shuttle Program Artifacts.”

Two new Monographs in Aerospace History available

The NASA History Office announced the availability of two new Monographs in Aerospace History.


Interested readers can send a 9 x 12-inch self-addressed, stamped envelope to Christian Gelzer, NASA Dryden Flight Research Center, Building 4839, Edwards, CA 93523 for a free copy.

Also available is “Ikhana: Unmanned Aircraft System Western States Fire Missions (NASA SP-2009-4544), by Peter W. Merlin. Copies can be obtained from the NASA History Division or the NASA Dryden history office.
CALL FOR PAPERS

Space and Economy Symposium

The deadline for abstract submissions for the first Space and Economy Symposium during the Toulouse Space Show has been extended to November 30. The Space Show, scheduled to be held June 8-11, 2010, in Toulouse, France, includes a large international exhibition and will bring together those engaged in developing new and innovative technologies for the space sector. For more information, go to: http://www.toulousespaceshow.eu

Global Lunar Congress

The call for papers for the Global Lunar Congress to be held in Beijing, China, from May 31-June 3, 2010, remains open until Dec. 15. The Chinese Society of Astronautics and The International Astronautical Federation (IAF) are organizing the conference. Prof. Dr Berndt Feuerbacher, IAF president, says the “IAF promotes international cooperation, scientific investigation, technological development and helps to solve legal issues which will stimulate the peaceful use of the Moon.” For more information, go to: http://www.gluc2010.org

Lunar and Planetary Science Conference

The deadline for abstract submissions for the 41st Lunar and Planetary Science Conference is Dec. 10. Specialists in petrology, geochemistry, geophysics, geology, and astronomy will present the latest results of research in planetary science. The five-day conference will take place in Woodlands, Texas, March 1-5, 2010. Selection of contributed abstracts will be based on the overall relevance of the subject matter to the conference and the quality of the science. For more information, go to: http://www.lpi.usra.edu/meetings/lpsc2010

IEEE Nuclear and Space Radiation Effects Conference

The Institute of Electrical and Electronics Engineers (IEEE) is soliciting papers for the 2010 IEEE Nuclear and Space Radiation Effects Conference, July 19-23, 2010, in Denver, Colorado. The deadline for paper summaries is Feb. 15, 2010. The conference brings together engineers, scientists and managers to present papers about nuclear, space, atmospheric, and terrestrial radiation effects on electronic and photonic materials, devices, circuits, sensors, and systems. International participation is strongly encouraged. For more information, go to: http://www.nsrec.com

International Astronautical Congress

The call for papers for the 61st International Astronautical Congress to be held in Prague, Czech Republic, Sept. 27-Oct. 1, 2010, will remain open until March 5, 2010. The Congress enables representatives from the space industry, space users, space policy makers, students, young professionals, researchers and academicians to meet and exchange experiences and knowledge, and stimulate international cooperation. The IAC is organized by the IAF, the International Academy of Astronautics and the International Institute of Space Law. For more information, go to: http://www.iac2010.cz/en/welcome

Quest: The History of Spaceflight Quarterly

David Arnold, editor of Quest: The History of Spaceflight Quarterly, is seeking articles for publication. The journal is published quarterly and is dedicated to the history of spaceflight. Stories cover the people, projects and programs that comprise the civil, military and commercial space programs of the world. Articles submitted by amateur and professional historians are welcome. For more about the journal, go to: http://www.spacebusiness.com/quest, or contact Arnold at: historyofspace@aol.com.

To have requests for papers added to the AAS history committee’s newsletter, send announcements to: timothy.m.chamberlin@gmail.com.
Imagine 09: Ideas at work

Conference Program

IMAGINE ’09 will explore remarkable ideas making a difference that could transform the space enterprise. Some of the world’s most creative, productive and compelling individuals will actively engage attendees, providing knowledge and inspiration and encouraging breakthroughs in thought. More than a conference, IMAGINE ’09 is a cultural event, designed to both spark imagination and to unleash it.

Confirmed and invited speakers include:

- Charles Bolden, NASA Administrator.
- Charles Chafer, CEO of Space Services Inc., founding partner of Team Encounter, LLC, and co-founder of Celestis, Inc.
- Dr. Franklin Chang-Diaz, Chairman/CEO of Ad Astra Rocket Company.
- Dr. Dan Durda, Senior Research Scientist at Southwest Research Institute.
- Richard Garriott, Space Tourist
- Wayne Hale, NASA Deputy Associate Administrator of Strategic Partnerships
- Thomas B. Pickens, President/CEO of Astrotech Corp.
- Dr. Howard Prince, Director of LBJ School’s Center for Ethical Leadership, University of Texas.

AAS History Committee meeting

The AAS History Committee will meet Dec. 2 from 2-4:30 p.m. CST at the NASA JSC Gilruth Center.

Agenda items include:

- News and reports from History Committee members
- Report on the History Committee newsletter Explorer, by Tim Chamberlin
- Report on the 2008 Emme Award and solicitation of nominations for the 2009 Emme Award, by Mike Ciancone, Rick Sturdevant, Don Elder and De Witt Douglas Kilgore.
- Status of Space Exploration and Humanity: A Historical Encyclopedia, by Stephen Johnson
- Publication of IAA History Proceedings, including introduction of a new Series Editor, by Robert Jacobs and Rick Sturdevant
- Recent and upcoming book reviews, by James Busby
- Goals for 2010
- Nominations for History Committee membership
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov. 25 - Dec. 10</td>
<td><strong>Ask an Expert Lecture Series</strong></td>
<td>Smithsonian National Air and Space Museum, Washington, D.C.</td>
<td><a href="http://nas.msi.edu">nas.msi.edu</a></td>
</tr>
<tr>
<td></td>
<td><strong>Nov. 25 Moving Beyond Earth</strong>, By Jennifer Levasseur (Space History Division)</td>
<td>At the National Mall Building</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Dec. 9 The Chinese Manned Space Program</strong>, By Ross Irwin (Center for Earth and Planetary Studies)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Dec. 16 Earth Observations from Apollo-Soyuz: The Smithsonian Experiment</strong>, By Ted Maxwell (Center for Earth and Planetary Studies)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Dec. 23 Robert Goddard and the Smithsonian Moon Flap</strong>, By Michael Neufeld (Space History Division)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Dec. 10 All You Need is Love: The ATS 1 Satellite, the Beatles, and the Cold War</strong>, By Martin Collins (Space History Division)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb. 4-6</td>
<td><strong>16th Annual Space Exploration Educators Conference</strong></td>
<td>Johnson Space Center, Houston, Texas</td>
<td><a href="http://www.spacecenter.org">www.spacecenter.org</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb. 16-18</td>
<td><strong>ISU's 14th Symposium: “The Public Face of Space”</strong></td>
<td>ISU Central Campus, Strasbourg, France</td>
<td><a href="http://www.isunet.edu">www.isunet.edu</a></td>
</tr>
<tr>
<td>March 1-5</td>
<td><strong>41st Lunar and Planetary Science Conference</strong></td>
<td>The Woodlands Waterway Marriott Hotel and Convention Center, The Woodlands, Texas</td>
<td><a href="http://www.lpi.usra.edu">www.lpi.usra.edu</a></td>
</tr>
<tr>
<td>March 8-11</td>
<td><strong>8th Responsive Space Conference</strong></td>
<td>LAX Westin Hotel, Los Angeles, Calif.</td>
<td><a href="http://www.responsivespace.com">www.responsivespace.com</a></td>
</tr>
<tr>
<td>March 10-11</td>
<td><strong>48th Robert H. Goddard Memorial Symposium</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>“Earth and Beyond: The Next Decades”</td>
<td></td>
<td>Greenbelt Marriott, Greenbelt, Md.</td>
<td><a href="http://astronautical.org">astronautical.org</a></td>
</tr>
<tr>
<td>March 14-17</td>
<td><strong>Earth and Space Conference</strong></td>
<td>Sheraton Waikiki Hotel, Honolulu, Hawaii</td>
<td><a href="http://earthspace2010/index.html">earthspace2010/index.html</a></td>
</tr>
<tr>
<td>April 25-30</td>
<td><strong>SpaceOps 2010</strong></td>
<td>The Von Braun Center, Huntsville, Ala.</td>
<td><a href="http://www.spaceops2010.org">www.spaceops2010.org</a></td>
</tr>
<tr>
<td>May 27-31</td>
<td><strong>29th Annual International Space Development Conference (ISDC)</strong></td>
<td>The Intercontinental O'Hare, Chicago, Ill.</td>
<td><a href="http://isdc.nss.org/2010">isdc.nss.org/2010</a></td>
</tr>
</tbody>
</table>
What are your specific interests in space history?

Early development in ancient China, World War II A-4 rocket development, NASA and ESA history. I am also editor of the two proceedings of the International Academy of Astronautics (IAA) History Sessions. Besides that, I am in the process of creating a video archive of space history-related talks and presentations.

What are you currently working on related to space history?

Trying to establish a History Group at JPL. However, due to our busy schedules, it is difficult to find time to meet. My hopes are that this group will not only focus on spaceflight history at JPL, but also outside of JPL and will include visits at air museums and activities of that sort.

How did you get interested in space history?

Since an early age I was interested in world history, whether it was the Cold War (the Berlin wall was just 500 meters away from where we lived) or the history of Egypt. And then of course history was taking place right in my backyard: the Fliegeberg of Otto Lilienthal and the Raketenflugplatz in Tegel. When you arrive at the airport in Berlin-Tegel, there is Nebel-Hall. Most people associate this terminal with a room in which passengers had to wait because of bad weather. It was named after Rudolph Nebel, who performed early rocket tests in the late 1920s at this location.

A conference of the Deutsche Gesellschaft für Luft- und Raumfahrt

Continued on next page ➤

Q&A

It is easy to judge events or people using today’s values. It is correct that we should not blindly accept everything that has happened, but we have to consider the historical context.

Dr. Otfrid Liepack worked previously on several JPL missions, such as Galileo, Cassini and Phoenix, either operating instruments or performing verification and validation activities. During the last year he started to work with JSC providing Systems Engineering support for the development of Constellations Operations Architecture.

Otfrid Liepack
Hometown: Berlin, Germany
Resides In: Tujunga, close to Pasadena, Calif.
Education: Masters in Spaceflight Engineering, Technical University Berlin, 1995; Ph.D. in Systems Engineering, Chemnitz, 2007

WWW.ASTRONAUTICAL.ORG
An update from Stephen Johnson, general editor:

The manuscript for the space history encyclopedia project, *Space Exploration and Humanity: A Historical Encyclopedia* was sent to the publisher, ABC-CLIO, on Oct. 16.

Led by the American Astronautical Society History Committee, the two-volume encyclopedia now begins the production process, which includes further assembly of images, copyedits, indexing and layout.

The committee will support the production process through review of the production products.

The encyclopedia offers a complete history of human endeavors in space including all of the world’s space programs, from the development of the first rockets through the latest Space Shuttle and International Space Station missions; from the Hubble Space Telescope to the latest Mars rovers. Its entries cover scientific, technical, political, economic and social issues.

For more information about the encyclopedia, see the product fact sheet at ABC-CLIO’s Web site.

OTFRID LIEPACK

Continued from page 8

finally brought me together with other spaceflight enthusiasts. My breakthrough to meet international space historians occurred when I met Konrad Dannenberg and Fred Ordway at a conference in Graz, Austria. I became a member of the IAA History Group and corresponding member of IAA.

What are your favorite space-related books, movies and Web sites?

Certainly everything related to the A-4/V-2. There were a lot of good documentaries made after the Berlin Wall came down that showed operations and testing at Peenemünde. Fred Ordway’s and Ernst Stuhlinger’s book about Wernher von Braun (*Wernher Von Braun: Crusader for Space*) is my favorite, and of course Tom Hank’s Apollo 13 movie.

Besides the first piloted lunar landing, what do you think was the most memorable moment in space history and why?

The first A-4/V-2 launch in 1942. But every space mission is making history, whether it is a launch of a student satellite or a mission to Saturn.

What else would you like to share with us?

Whenever we report on space history we should consider under which circumstances events happened. It is easy to judge events or people using today’s values. It is correct that we should not blindly accept everything that has happened, but we have to consider the historical context. Keep in mind, that our values might be totally inadequate in 10 or 20 years. And would you like to be judged by your grandchildren based on what they think?

And as I have mentioned before, whenever people are working on space missions, don’t forget, you are actually making space history.
Since 1967, the International Academy of Astronautics (IAA) has held history symposia at the International Astronautical Congresses. The papers delivered at these symposia have, in turn, been re-published, or, in many cases, published for the first time in the AAS History Series. Volume 31 is a general index and abstracts of all the papers presented at the 1967-2000 IAA History Symposia, and is designed to help the user find exactly where the full papers are published using several methods. The volume is divided into several sections:

- **Section I** is a listing of each and every symposium, their locations, dates, session numbers, coordinators, chairs, rapporteurs, paper titles, authors, IAA/IAF paper numbers, IAA/AAS volume numbers, page numbers in which the available papers are published in the AAS History Series of books and the abstract reference numbers cited in Section II of the book/CD.

- **Section II** contains all the abstracts of the papers which were submitted for presentation and/or were published in the AAS/IAA History Series. They are all numbered so the reader can easily link to the proper abstract from all the other sections of the book/CD. And again, the paper title, authors, IAA/IAF paper numbers, IAA/AAS volume numbers and page numbers in which the available papers are published in the AAS History Series of books are given.

- **Section III** is an index of all the authors in alphabetical order, and includes the years their papers were presented, the paper titles and the abstract reference numbers. One can distinguish between single-authored papers and co-authored papers, and which authors are/were IAA members and whether the author is deceased (if known).

- **Section IV** is a listing of all the papers by the authors’ countries. The countries are organized into alphabetical order, then by author names in alphabetical order under each country heading. Again the year the paper was presented, the paper title and abstract numbers are given. In addition, the co-author(s) are given, if any.

- **Section V** is a listing of the paper titles in alphabetical order organized by the time period which the subject matter of the paper covers. This section is divided into the following time periods: Ancient, 19th Century, 20th Century before 1945, 20th Century 1945-1957 and 20th Century after 1957. The year the paper was presented and the abstract reference numbers are given.

- **Section VI** is a listing of the paper titles in alphabetical order organized by theme. The theme headings are divided as follows: Biographical References, General, Manned Spacecraft, Organizational Histories, Rocketry and Rockets, Satellites and Spacecraft, Scientific Research, Space Policy and Technical Aspects. The year each paper was presented and the abstract reference numbers are given.

At the end of the book/CD are three appendices, including a list of previous chairmen of the IAA History Committee organized by the time period they were in office and their nationality; a brief description of the International Academy of Astronautics; and a list of IAA History Symposia Proceedings volumes published as part of the AAS History Series.

The user should find the CD-ROM supplement extremely useful, as there is extensive linking throughout the volume to help them find the information needed.
A 50% discount off list prices for all AAS History Series volumes is available for individual members of the:
- American Astronautical Society History Committee
- International Academy of Astronautics History Study Group
- Authors for books in which their articles appear

A 25% discount off list prices for all AAS History Series volumes is available for individual members of the AAS, AIAA, AAAF and:
- The British Interplanetary Society
- The Deutsche Gesellschaft für Luft und Raumfahrt
- The National Space Society
- The Space Studies Institute
- The U.S. Space Foundation
- The Planetary Society
- Individual members of any IAF Society may take the same discount.

The AAS History Committee, first under the leadership of Eugene M. Emme, NASA historian, established the AAS History Series of books in 1977 to dedicate the continued pursuit and broader appreciation of the full history of flight in American history and its global influence.

PREVIOUS VOLUMES


Vol. 8 History of Rocketry and Astronautics, 1989, 368p, Hard $50; Soft $35.


Vol. 11 History of Rocketry and Astronautics, 1994, 236p, Hard $60; Soft $40.


Vol. 15 History of Rocketry and Astronautics, 1993, 452p, Hard $60; Soft $40.


Vol. 18 Organizing for the Use of Space: Historical Perspectives on a Persistent Issue, 1995, 234p, Hard $60; Soft $40.


Vol. 21 History of Rocketry and Astronautics, 1997, 368p, Hard $60; Soft $40.


Vol. 23 History of Rocketry and Astronautics, 2001, 566p, Hard $85; Soft $60.


Vol. 26 History of Rocketry and Astronautics, 2005, 430p, Hard $95; Soft $70.

Vol. 27 History of Rocketry and Astronautics, 2007, 416p, Hard $95; Soft $70.

Vol. 28 History of Rocketry and Astronautics, 2007, 560p, Hard $95; Soft $70.

Vol. 29 Space Shuttle Main Engine: The First Twenty Years and Beyond, 2008, 270p, Hard $70; Soft $50.


For more information about the AAS History Series, visit Univelt’s Web site.
HISTORY COMMITTEE REPORT: COMPLETED GOALS FOR 2009

- Worked with Univelt, Inc., to publish three volumes in the AAS History Series, plus an Index of IAA History Series papers, 1967-2000, which was prepared by the IAA History Study Group.
- Completed editorial work on the ABC-CLIO/AAS space history encyclopedia.
- Assembled a list of astronautical publications from 2008 and make this list widely available.
- Selected the recipient of the 2008 Emme Award for Astronautical Literature.
- Assessed the AAS History Committee charter and implemented recommendations of the Doyle Working Group.
- Published three editions of Explorer.
- Provided Space Times and other publications with six book reviews.
Project Mercury monument

A ceremony is held to commemorate the success of Project Mercury at Kennedy Space Center on Nov. 10, 1964. Launch Complex 14 is visible in the background where John Glenn Jr. rode on top of an Atlas booster to become the first American to orbit the Earth. A time capsule filled with Project Mercury artifacts is buried underneath the monument and isn’t planned to be opened until 2464.
O’Malley was key figure during Apollo

Engineer **Thomas J. O’Malley**, who helped launch Mercury astronaut John Glenn into space and played a pivotal role in the launch operations for the Apollo spacecraft, died Nov. 6.

O’Malley was an icon of the space industry during the 1960s and 1970s. He worked for the Convair division of General Dynamics as a test engineer for the Atlas missile. O’Malley worked for North American Aviation and Rockwell International during the 1970s and 80s and contributed to the Skylab, Apollo-Soyuz and Space Shuttle programs.

**Qian Xuesen**, also known as Tsien Hsue-shen and the father of China’s space and missile programs, died Oct. 31. Qian helped establish the Jet Propulsion Laboratory as a Caltech rocket scientist but was later deported to China in the 1950s after the FBI accused him of being a Communist.

In Iris Chang’s “Thread of the Silkworm,” Qian is credited with playing a key role “in taking a primitive military establishment and transforming it into one that could deliver nuclear bombs intercontinentally; he initiated and guided numerous projects that brought China into the space age” after leaving the United States.

**Walter Jacobi**, one of the few remaining German rocket scientists who was part of Dr. Wernher von Braun’s rocket team that built the mighty Saturn V, died Aug. 19. Jacobi came to the United States as part of Operation Paperclip near the end of World War II.

Also... **Rodger Doxsey**, astronomer and director of mission operations at the Space Telescope Science Institute in Baltimore, died Oct. 13. Doxsey played an integral role in maintaining and extending the life of the Hubble Space Telescope. ... **Frank Caldeiro**, a NASA astronaut, died Oct. 5. Caldeiro was born in Buenos Aires, Argentina, immigrated to the United States at age 16, and was a member of the 1996 astronaut class at NASA. ... **Gary Coen**, retired NASA flight director, died Oct. 5. Coen worked at NASA during the Gemini and Apollo programs as a guidance, navigation, and control officer and eventually became chief of the Flight Director Office. ... **Pavel Popovich**, a cosmonaut and pilot of Vostok 4, died Sept. 29. Popovich became the sixth person to orbit the Earth in a spacecraft during the Vostok mission in 1962. ... **Nikolai Porvatkin**, a cosmonaut, died Sept. 28. Porvatkin was a member of the 1967 cosmonaut class of the Soviet Air Force where he worked on the Almaz program, a series of military space stations built by the former Soviet Union. ... **Assaf Ramon**, Israeli Air Force pilot and son of Ilan Ramon (who died aboard the Shuttle Columbia after it exploded during reentry in 2003), died Sept. 13. ... **Briggs Willoughby**, a former NASA mission controller during the Apollo program, died Sept. 8.
THE AMERICAN ASTRONAUTICAL SOCIETY (AAS)
HISTORY COMMITTEE CHARTER

The AAS History Committee was established to stimulate historical research in and teaching, publication, and preservation of the history of astronautics while encouraging interest and scholarship in and appreciation of the history of astronautics.

Activities of the Committee include, but are not limited to, recommending topics for and coordination of and participation in meetings addressing historical subjects; encouraging publication papers, articles, and books on topics in the history of astronautics; and providing recognition and prizes for significant historical achievements in astronautics.

In addition the Committee collaborates with other historically oriented groups and organizations, including the history groups of the American Institute of Aeronautics and Astronautics (AIAA), the International Academy of Astronautics (IAA), the National Aeronautics and Space Administration (NASA), the European Space Agency (ESA), the Smithsonian Institution, the New Mexico Museum of Space History at Alamogordo, the Huntington Museum, and other such institutions and organizations.

Concerning publication activities, a subcommittee annually reviews new books on topics in astronautics and selects recipients of the Emme Award for Astronautical Literature, which recognizes outstanding publications that advance public understanding of the effects of astronautics on society. The Committee collaborates closely with the IAA History Study Group in the editing and publication of the proceedings of IAA Historical Symposia in the AAS History Series. In addition, the Committee coordinates the review by Committee members of books of potential interest to the AAS membership in general and the spaceflight history community in particular.

Special note
The NASA History News and Notes newsletter is available online at http://history.nasa.gov/nltrc.pdf

Previous editions of the NASA History News and Notes newsletter are available in pdf and html format at http://history.nasa.gov/histnews.htm

American Astronautical Society
• America’s network of space professionals
• Network, not just an organization
• Space professionals, technical and non-technical

Dedicated to advancing all space activities
• Solely to space
• To helping the people, the profession and the enterprise flourish
• To harnessing the energy and capability of our members to make a difference!

6352 Rolling Mill Place
Suite 102
Springfield, VA 22152-2354

Email: aas@astronautical.org
Phone: 703-866-0020 | 703-866-3526

The American Astronautical Society’s History Committee publishes Explorer three times a year. To receive Explorer via e-mail, send a message to michael.l.ciancone@nasa.gov. You will receive confirmation that your e-mail address has been added to the AAS History Committee’s electronic e-mail list for the newsletter.

Previous issues of this newsletter are available at the American Astronautical Society’s Web site. Please visit www.astronautical.org/committees/history

Tim Chamberlin is editor and designer of Explorer. He welcomes comments about the content and format of this newsletter. Send comments to timothy.m.chamberlin@gmail.com.