



Welcome to the 2018 Conference

To Boldly Preserve:

Archiving for the Next Half-Century of Space Flight.

Sponsored by NSF

Hosted by the Center for History of Physics

March 1 & 2, 2018

American Institute of Physics

One College Park, Maryland

AIP | Center for History of Physics

Welcome

Welcome to “**To Boldly Preserve: Archiving for the Next Half-Century of Space Flight.**” We are here because creating and preserving the history of space exploration face unprecedented challenges and opportunities. Even as early generations of researchers, engineers, administrators and users retire, the number of countries, organizations, and companies involved in space is sharply expanding. New forms of electronic communication and data including oral histories and social media are changing the nature of historical records.

If successful, this conference will greatly assist in preserving humanity’s heritage by reducing the barriers of entry for organizations and individuals to create and maintain their own high-quality archives. We view “**To Boldly Preserve**” as the beginning of a long, exciting journey.

As the conference will demonstrate, exciting ideas depend on resources and people to become reality. The creation of “**To Boldly Preserve**” was no different. We want to thank the National Science Foundation for its grant which made this conference financially possible. The American Institute of Physics generously provided its facilities. Explore Mars (<https://www.exploremars.org/>) kindly funded the reception. Debbie Cohen of Minding Your Business (mindingyourbusiness.dc@gmail.com), Debra Mayberry of Event Pro DC (debra@eventprodc.com), the AIP professional staff (especially Stephanie Jankowski, Debbie Dillon and Angela Wright), and Kelly Cook of the Texas A&M History Department provided the practical skills and support to make the conference run smoothly. The conference recording and subsequent uploading to YouTube reflect the expertise of Antonio Peronace. Dean Zhu, a master’s student at the Texas A&M Visualization Laboratory, created the TBP logo. Rebecca Kempe, a master’s student in A&M’s Digital Humanities program, created and maintained the website.

Our steering committee guided the evolution of this conference, providing invaluable practical and conceptual advice. **The committee consisted of**

Nathan	Brewer	IEEE History Center
Steve	Dick	SETI Institute
Alexander	Geppert	New York University
Roger	Launius	Launius Historical Services
Jane	Maienschein	ASU Center for Biology and Society
Melanie	Mueller	American Institute of Physics
Teasel	Muir-Harmony	National Air & Space Museum
Geoff	Nunn	Seattle Museum of Flight
Erik	Rau	Hagley Museum Library Services
Margot Lee	Shetterly	thehumancomputerproject.com
Asif	Siddiqi	Fordham University
Peter	Westwick	Huntington-USC

Most importantly, “**To Boldly Preserve**” would not have been possible without your participation and commitment to the future of space archiving and history. Thank you.

We look forward to a fruitful and stimulating conference.

Yours,

Jonathan Coopersmith, j-coopersmith@tamu.edu
Angel Callahan, angelina.callahan@nrl.navy.mil
Gregory Good, ggood@aip.org

To Boldly Preserve:
Archiving for the Next Half-Century of Space Flight
March 1-2, 2018

American Institute of Physics
1 Physics Ellipse Drive, College Park, Maryland
Toboldlypreserve.space

Goal: To promote the robust and comprehensive collection and preservation of their history among all actors in space exploration and exploitation.

All events will occur at AIP save for the informal dinner Wednesday.
Please preregister at toboldlypreserve.space.

WEDNESDAY, February 28

7:00 **Casual dinner**, Busboys and Poets, 5331 Baltimore Ave., Hyattsville

THURSDAY, March 1

8-8:45

Breakfast

8:45-9:00

Opening remarks and introductions

Jonathan Coopersmith, *Texas A&M*, j-coopersmith@tamu.edu
Greg Good, *AIP*, ggood@aip.org

9:00-10:15

Setting the Stage: 50,000 Feet High and Five Decades Out, *Chirag Parikh, chair*

Bill Barry, *NASA*, "An Uneven Launchpad: NASA Archival Challenges"
Carly Dearborn and Tracy Grimm, *Purdue*, "The Best of our Energies"
Marilyn Graskowiak and Patti Williams, *NASM*, "Skills: Coordinated and Sustainable Preservation of Aerospace History"

10:15-10:30

Break

"To Boldly Preserve:
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10:30-12:00

Institutional Archives and Databases, *Ben Gross, chair*

Holly McIntyre-Dewitt and Matt Pearson, *GSFC*, "Keeping Our Databases in Orbit (Configuration Management Databases)"

Jennifer Ross-Nazzal, *JSC*, "JSC: Preserving our Past for the Future"

Sharad Shah, *NASM*, "It's Full of Stars (and Technical Reports): Challenges of Managing the NASM Library Special Collections"

John Ruley, *Foresight S&T*, "Creating a Digital Project Archive for NASA"

12-1:00

Lunch & Keynote Speaker

Asif Siddiqi, *Fordham*, "Capturing Imagination"

1:00-2:30

Why Reinvent the Wheel? Preserving History from Above, *Scott Sacknoff, chair*

Drew Adan, *UAH*, "Preserving Oral History: A Collaborative Approach to Processing Obsolete Media"

Reagan Grimsley, *UAH*, "To Audibly Preserve: Collection of and Access to Oral and Video History Materials"

Charles House, *CHM*, "Doing Oral History: Perspectives from Silicon Valley"

Nathan Brewer, *IEEE*, "Building Institutions to Preserve Technology History"

2:30-3:00

Break

3:00-4:30

Challenges of Doing History, *Glen Asner, chair*

Brad Eden, *Valparaiso*, "Remembering the JSC archive: a personal reflection"

John Goodman, *JSC*, "An engineer's perspective on space history and archiving"

Cameron Hunter, *Bristol*, "The challenges of capturing American space strategy: The case of China's 'rise,' 2000-17"

April Gage, *Ames*, "Capturing Digital Archives"

4:30-5:15

Wrap-up, *Geoffrey Nunn and Linda Edgerly*

5:15-6:15 **Reception**

6:15 **Dinner**

FRIDAY, March 2

8:00-8:45

Breakfast

8:45-10:15

Archiving possibilities and concerns, David Caruso, chair

Erik Rau, *Hagley*, "To Boldly Collect: Hagley Library's Experience with Collecting the History of American Business, Technology, and Industrial Design since 1961"

Molly Stothert-Maurer, *UAz*, "Archiving the Pioneers of Planetary Science: The Lunar and Planetary Laboratory at the University of Arizona in Partnership with University of Arizona Special Collections"

Megan Prelinger, *Prelinger Library*, "Archiving from Below: A Case Study in Preserving Aerospace Industry Trade Periodicals of the 20th century"

10:15-10:30

Break

10:30-12:00

Opportunities – New Space and Beyond, Richard Paul, chair

Erinn McComb, *Del Mar*, "Uncovering Hidden Narratives: Hispanics in American Spaceflight"

Brian Odom, *MSFC*, "'End of the Bottomless Silence': Ensuring Minority Voices in Aerospace Archives"

Leonard David, *SpaceNews*, "A Space Journalist's Dilemma: Archiving the Past for the Future"

Michael Robinson, *Hartford*, "Casting a Wider Net: Documenting the World of NASA Contractors"

Geoffrey Nunn, *Museum of Flight*, "Capturing New Space"

12:00-1:00

Lunch & keynote Speaker,

Nancy McGovern, *MIT*, "Facing the future together"

1:00-2:30

No Right Answer? Collection Development Decisions in the History of Technology and Space Exploration, John Logsdon, chair

Bethany Anderson, *UIUC*, "(Re)Understanding Progress as Process? Appraising Contemporary S&T Records"

Paula Jabloner, *CHM*, "No Right Answer? Collection Development Decisions in the History of Technology and Space Exploration"

Cynde Moya, *Living Computers*, "Collection Development Practice in a 'Living' Museum Environment"

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Teasel Muir-Harmony, *NASM*, "The Future of a National Spaceflight Collection?"

Pete Rapaso, *Adler Planetarium*, "From Astrolabes to Space Suits: Expanding the Adler Planetarium Collections into Contemporary S&T"

Amanda Wick, *CBI*, "Revisiting Appraisal and Collection Development Practices in a Participatory Archive"

Amrys Williams, *Hagley*, "Building Historical Collections with Non-Historians through Portal and Public History Projects"

2:30-2:45

Break

2:45-4:15

Framing the future: Big Questions, *Debbie Douglas, chair*

Caitlin Birch, *Dartmouth*, "To Infinity: Preserving the Legacy of Space Flight with Oral Histories Built to Last"

Linda Edgerly, *Winthrop Group*, "Building on the Foundations of Compatibility, Preservation, and Resources"

Stephanie Lampkin, Gillian Maguire, Erin McLeary, *CHF*, "To Collect the Uncollectible"

4:15-5:00

Wrap-up, *Roger Launius and Erik Rau*, "Where do we go from here?"

The conference recording and subsequent uploading to YouTube reflect the expertise of Antonio Peronace.



Biographies of Presenters

Drew Adan

Drew Adan is an archivist at the M. Louis Salmon Library of the University of Alabama in Huntsville. Before coming to UAH, Drew worked for ten years in the Yale University library system at the Lillian Goldman Law Library and Beinecke Rare Book and Manuscript Library. Drew holds an MLIS from Simmons School of Library and Information Science and is currently pursuing a Master's degree in History from UAH.

Bethany Anderson

Bethany Anderson is an Archival Operations and Reference Specialist in the University Archives at the University of Illinois at Urbana-Champaign, where she manages scientific and technological records. Prior to Illinois, she worked at the Dolph Briscoe Center for American History at the University of Texas at Austin and the William L. Clements Library at the University of Michigan. She holds an MSIS from the University of Texas at Austin, an M.A. in Near Eastern Languages and Civilizations from the University of Chicago, and a B.A. in Anthropology from the University of Michigan. She is the Reviews Editor for *The American Archivist* and has presented her research internationally.

Bill Barry

Dr. Bill Barry has been serving as NASA's Chief Historian since 2010. He began work at NASA in 2001 after retiring from a 22-year career in the US Air Force. He worked in NASA's international relations office for several years, and served as the NASA European Representative at the United States Embassy in Paris, before being appointed Chief Historian. A graduate, with honors, of the United States Air Force Academy (1979), he also holds a Masters Degree from Stanford University (1987) and a Doctorate from Oxford University (1996).

Caitlin Birch

Caitlin Birch is the Digital Collections and Oral History Archivist at Rauner Special Collections Library, Dartmouth College. She is responsible for the administration of the Oral History Program, including the planning and implementation of new oral history projects and the maintenance and care of projects past. She provides curricular support across Dartmouth academic departments, training students in the theory and practice of oral history. Outside the realm of oral history, Caitlin oversees Rauner's born-digital archives and manuscript collections. As Dartmouth's first digital archivist, she is laying the foundation for a future in which born-digital primary sources are as discoverable, accessible, well-preserved, and exciting as their counterparts in more traditional formats. Caitlin earned her Master of Science in Library and Information Science and her Master of Arts in History from Simmons College, where she focused on archives management and the history of journalism, respectively.

Nathan Brewer

Nathan Brewer has been at the History Center since July 2008, and is responsible for the overall management of, and development of content for, the Engineering and Technology History Wiki (ETHW). Nathan has bachelor's degrees from Rutgers in Computer Science (BS 2004) and History (BA 2006) and an MLIS, also from Rutgers (2008).

Angelina Callahan

Angelina Callahan heads the Naval Research Laboratory history office in Washington, D.C. One of her most pressing tasks is to work with retirees, researchers, and administration to identify means for more methodically capturing primary sources as artifacts, paper, oral history interviews, and especially electronic media. Working to broaden the NRL history program, she is eager to learn more about policies and staff functions at other institutions and how other history offices handle issues of privacy, transparency, classification restrictions, as well as the question of whose stories are being overlooked. When not hauling document boxes and hunting down artifacts, she's been publishing on interwar drones, meteorological satellites, sounding rocket programs, radar R&D, and (at the home of the Vanguard program) the role technical and programmatic failure in R&D.

Jonathan Coopersmith

Jonathan Coopersmith is a Professor of History at Texas A&M University, where he teaches the history of technology. Currently he is researching "Creative Construction: The importance of frothy and fraudulent firms in emerging technologies." His latest book, *FAXED. The Rise and Fall of the Fax Machine* was a co-recipient of the 2016 Business History Conference Hagley Prize for best book in business history. He has served on the NASA history advisory committee. The History News Network hosts his history of technology blog, *Infinity Limited* (<http://historynewsnetwork.org/blog/author/42>). He received his D.Phil from Oxford University and B.A. from Princeton University back in the 20th century.

Leonard David

Leonard David is a space journalist, reporting on space activities for over 55 years. He is the author of *Mars – Our Future on the Red Planet* - published by National Geographic in October 2016. The book is the companion book to *Mars – a six-part television series* from executive producers Brian Grazer and Ron Howard that aired on the National Geographic Channel in late 2016. Leonard is co-author with Apollo 11's Buzz Aldrin of *Mission to Mars – My Vision for Space Exploration* released in May 2013 and published by the National Geographic Society. A soft cover edition of the book with a new essay was released in May 2015. Leonard is the first recipient of the American Astronautical Society's (AAS) "Ordway Award for Sustained Excellence in Spaceflight History" in the category of journalism, presented in October 2015 in connection with the 8th AAS Wernher von Braun Memorial Symposium held in Huntsville, Alabama. He is the 2010 winner of the prestigious National Space Club Press Award, presented this honor during the Club's annual Robert H. Goddard Memorial Dinner in April 2011 that was held in Washington, D.C. Currently, Leonard is SPACE.com's Space Insider Columnist, as well as a correspondent for SpaceNews magazine and a contributing writer for several venues, such as Scientific American and Aerospace America, the membership publication of the American Institute of Aeronautics and Astronautics (AIAA). He has created his own website dedicated to a variety of space topics at: <http://www.leonarddavid.com/>. Leonard David lives in Golden, Colorado with his wife Barbara where the clear, nighttime sky fuels the imagination about space travel to other worlds...as well as concern over lost luggage at the Moon, Mars or other destinations.

Carly Dearborn

Carly Dearborn is the Digital Preservation and Electronic Records Archivist at Purdue University Libraries where she oversees preservation activities for born-digital archival collections in addition to datasets in the Purdue University Research Repository (PURR). Dearborn has previously published on data preservation, distributed digital preservation, and transparency in the digital preservation field. She holds a Masters of Information Science degree from the University of Texas at Austin and a B.A. in History and Political Science from the University of South Dakota.

Brad Eden

Bradford Lee Eden is Dean of Library Services at Valparaiso University. He has a masters and Ph.D. degrees in musicology, as well as an MS in library science. His recent books include *Middle-earth Minstrel: Essays on Music in Tolkien* (McFarland, 2010); *The Associate University Librarian Handbook: A Resource Guide* (Scarecrow Press, 2012); *Leadership in Academic Libraries: Connecting Theory to Practice* (Scarecrow Press, 2014); *The Hobbit and Tolkien's Mythology: Essays on Revisions and Influences* (McFarland, 2014) and the ten-volume series *Creating the 21st-Century Academic Library* (Rowman & Littlefield, 2015-17). He served as president of the Library Publishing Coalition (LPC) in 2015-16. He is also editor of the *Journal of Tolkien Research*, an online peer-reviewed journal available at <http://scholar.valpo.edu/journaloftolkienresearch>.

Linda Edgerly

Linda Edgerly's career may be one of the more unusual among those in the archives profession. Over a period of 29 years she has developed the Information & Archival Services Division of, and served in a leadership position, for The Winthrop Group, a small consulting firm established in 1982. She and her Winthrop colleagues now have worked with an unmatched list of more than 350 clients that range from multi-national Fortune 100 corporations, and NGO's and philanthropic entities operating worldwide to numerous visual and performing arts and advocacy organizations and educational institutions, celebrities, and high net worth families. Her work with clients often intersects with strong personal interests in history, business, philanthropy, politics, the arts, science, and far from least, information and how it can be preserved and used. Learning from her work with a wide array of archival resources and dedicated reading habits, sharing insights and knowledge with CEO's and senior managers, and collaborating with fellow professionals – all have helped her become a widely trusted archives consultant and an eager collaborator and mentor.

April Gage

April Gage is a Senior Archivist in charge of the History Office archives at the NASA Ames Research Center in Silicon Valley, where one of her projects has been the establishment of a digital archive. She also supports archiving efforts for the center's Historic Preservation Office and the Ames node of NASA's Life Sciences Data Archive. Prior to joining Ames, she managed marketing communications and website development for a technical firm in the energy sector. She holds a master's degree in Library and Information Science from San Jose State University and a bachelor's degree in English from UC Berkeley, and is a member of the Academy of Certified Archivists.

John Goodman

John Goodman is an engineer with Odyssey Space Research in Houston, Texas. He is currently supporting guidance and targeting software development for the Orion vehicle at the NASA Johnson Space Center. His previous experience includes the Space Shuttle, X-38, Constellation, and Commercial Crew Programs. As a subject matter expert, he has written vehicle engineering history on orbital rendezvous techniques and powered flight guidance algorithms. One of his hobbies is documenting family history by facilitating oral history sessions and performing archival research using 19th century letters and diaries.

Marilyn Graskowiak

Marilyn Graskowiak is currently the Chair of the National Air and Space Museum Archives. She received her undergraduate and graduate degrees in history from the University of Nebraska. After 20 years of teaching and managing the archives of a community of women religious, she decided to pursue a full-time career in Archives Collections Management. Marilyn joined the National Air and Space Museum Archives staff in 1992 and became chair of the division in 2005.

Tracy Grimm

Tracy Grimm is the Barron Hilton Archivist for Flight and Space Exploration at Purdue University Libraries where she manages flight and space exploration archival collections. She collaborates with Purdue faculty to integrate primary source collections into instruction. Grimm has published on undergraduate archival literacy and subject documentation planning. Prior to joining Purdue Libraries, she was head of the Julian Samora Library at the University of Notre Dame and was a regional archivist for the Capital District Library Council, New York State Archives Documentary Heritage Program. Grimm holds a Masters of Library and Information Science from the University of Texas at Austin and a B.A. in History from the College of Saint Rose.

Reagan Grimsley

Reagan Grimsley is Head of Special Collections and University Archivist at the University of Alabama in Huntsville. With nearly two decades of experience in archives, libraries, and oral history his former positions include serving as Archival Program Officer in the Auburn University History Department and as archivist at Columbus State University in Columbus, GA. He is the current President of the Society of Alabama Archivists, a former member of the Alabama Local Government Records Commission and State Records Commission, and a former editor of the archival journal *Provenance*.

Chuck House

Chuck House, trained as a scientist (Physics, Caltech) and engineer (Electronics, Stanford), worked for years in the electronics industry, but he did receive a Master's Degree in the History of Technology along the way, and he has served on the Computer History Museum Board of Directors for 27 years. He is today chairman of the ACM History Committee. He has been acknowledged widely in the electronics industry—ACM and IEEE Fellow, one of America's 200 'Wizards of Computing,' and creator of one of the 'Top 50 electronic products of the 20th century'.

Cameron Hunter

Cameron Hunter is a PhD student at the University of Bristol. He is currently working on an ESRC-funded project on US perceptions of China's "rise" in outer space, exploring the contests within the US government to determine America's response. His research takes a critical theory approach to understanding strategic military systems, with research interests in outer space, nuclear weapons and air power. Cameron has previously held a British Research Council fellowship at the Library of Congress in Washington DC where he conducted archival research for his thesis. Before undertaking his doctoral studies at the University of Bristol, he completed an MA in Security and Terrorism and a BA in Politics, both at the University of Nottingham.

Paula Jabloner

Paula Jabloner is Director of Digital Collections at the Computer History Museum. She leads the digital archival team and the digital repository. Paula continues to also direct the Center for Cisco Heritage, an innovative partnership between the Museum and Cisco Systems having established the Center in 2013. She originally established the archival program at the Museum. Prior to that she worked in a variety of other archival settings including History San Jose, San Francisco's GLBT Historical Society, and at Princeton University.

Stephanie Lampkin

Stephanie Lampkin is the Museum Collection Manager at the Chemical Heritage Foundation, where she led the museum's digitization initiative and completed its most recent comprehensive inventory of on-site and off-site objects. She received her Ph.D. and M.A. from the University of Delaware and her B.A. from Cornell College.

Roger Launius

Dr. Roger D. Launius is Principal of Launius Historical Services. Between 2002 and 2017 he worked in several positions at the Smithsonian Institution's National Air and Space Museum in Washington, D.C., most recently as Associate Director for Collections and Curatorial Affairs. Between 1990 and 2002 he served as chief historian of the National Aeronautics and Space Administration. He has written or edited more than thirty books on aerospace history, most recently *NASA Spaceflight: A History of Innovation* (Palgrave Macmillan, 2018) and *Historical Analogs for the Stimulation of Space Commerce* (NASA, 2014).

John M. Logsdon

Dr. John M. Logsdon is Professor Emeritus at George Washington University's Elliott School of International Affairs, where he was the founder and long-time director of GW's Space Policy Institute. He is the author, among many articles, essays, and edited books, of the award-winning studies *After Apollo? Richard Nixon and the American Space Program* (2015) and *John F. Kennedy and the Race to the Moon* (2010). He has two forthcoming books. One is the Penguin History of Outer Space Exploration, which puts over 100 primary documents in their historical context. The other is the third in the series of presidential studies, *Ronald Reagan and the Space Frontier*.

Gillian Maguire

Gillian Maguire is Registrar at the Chemical Heritage Foundation. She received her M.A. at George Washington University and her B.A. from Johns Hopkins University.

Erin McLeary

Erin McLeary is director of the Chemical Heritage Foundation Museum. She received her Ph.D. from the University of Pennsylvania and her B.A. from Reed College.

Erinn McComb

Erinn McComb is an Assistant Professor and History Program Coordinator at Del Mar College in Corpus Christi, TX. She researches the history of Cold War American spaceflight from the perspective of gender, race, and class. She has published a book chapter: "Taking Off: National Security, Identity, and Aerospace Engineering at Land Grant Universities" in *Service as Mandate: How American Land Grant Universities Shaped the Modern World, 1920-2015* edited by Alan I Marcus (Tuscaloosa, A.L.: The University of Alabama Press, 2015). She has contributed an article "Controlling Men: Masculinity, Technology, and the Discourse of Early American Spaceflight" to *Quest: The Journal of American Spaceflight* and book reviews to *Technology and Culture*. Currently, she teaches dual credit classes, and is editing her manuscript, *Masculinity and the American Astronaut: Gender, Race and the Fight for Space, 1957-1986*.

Nancy McGovern

Nancy Y. McGovern is the Director for Digital Preservation at MIT Libraries. She leads the Digital Preservation Management (DPM) workshops, an award-winning program offered more than fifty times in a dozen countries since 2003. She has more than thirty years of experience with preserving digital content, including senior positions at ICPSR; Cornell University Library; the Open Society Archives; and the U.S. National Archives. She was designated a Fellow of the Society of American Archives (SAA) and immediate past president, 2016-2017. She chairs the Research Forum of SAA that she co-founded in 2007. She completed her PhD on digital preservation at UCL in 2009.

Holly McIntyre-DeWitt

Holly McIntyre-DeWitt is the Center Archivist for the NASA Goddard Space Flight Center. She has over ten years of federal archival experience including over eight years at the National Archives and Records Administration. Currently, she manages a center-wide archival program whose mission is to preserve and provide access to historical material, in order to promote the Goddard Space Flight Center's legacy in the fields of engineering, science, and technology.

Cynde Moya

Cynde Moya has been working with the collection of vintage hardware and software at Living Computers: Museum + Labs for over 6 years. She is interested in making this collection available, onsite and online, to interested students and scholars. Cynde is looking for ways to interpret and curate vintage software running in their original environments.

Teasel Muir-Harmony

Dr. Teasel Muir-Harmony is a curator in the Space History Department at the Smithsonian National Air and Space Museum. Her research focuses on the history of science diplomacy, international scientific cooperation, and the politics of spaceflight. At the Smithsonian, she serves on the exhibit committees for Destination Moon and One World Connected. She co-organizes the Space Policy & History Forum and teaches in Georgetown University's Program in Science Technology and International Affairs.

Geoffrey Nunn

As the Adjunct Curator for Space History at The Museum of Flight, Geoff Nunn leads the museum's efforts to tell the story of the first 50 years of human spaceflight and beyond. Geoff holds a master's degree in museology (museum studies) from the University of Washington and has spent the past decade working in science and technology museums as an educator, exhibit developer, and curator. Geoff is responsible for conducting the primary research and exhibit writing for all the museum's space-related exhibits. He also serves as a liaison with space industry groups. Geoff represents The Museum of Flight as part of NASA's Museum Alliance, the Commercial Spaceflight Federation, the Washington State Space Coalition, and the U.S.-Japan Space Forum. Geoff has presented on the Museum's efforts to tell the story of space at conferences nationwide, and also regularly writes about space-related topics for Aloft magazine.

Brian Odom

Brian Odom is the Historian at Marshall Space Flight Center where he organized the 2017 "NASA and the Long Civil Rights Movement" conference. He received his Ph.D. from Middle Tennessee State University.

Matt Pearson

Matt Pearson is the Digital Projects Team Lead for NASA Goddard Library. His diverse background includes work on large and small digital projects with NEDCC, Stanford University, the California Digital Library, the Smithsonian, and more. He has worked in digital preservation and imaging for more than fifteen years and maintains a SAA Digital Archives Specialist certificate, having completed the program in 2013.

Megan Prelinger

Megan Prelinger is a cultural historian, library builder, and film archivist. She is co-founder of the Prelinger Library, a publicly-accessible independent research library of 19th- and 20th- century American history (encompassing histories of technology, landscape, and society) in San Francisco, open since 2004. She is co-director and researcher at Prelinger Archives LLC, an archives of non-feature films that operates as a stock footage company, offering both paid and free access to tens of thousands of public domain films. Digital collections of both the Library and the Archives are held at www.archive.org. As a historian, she is the author of *Another Science Fiction: Advertising the Space Race 1957–1962* (Blast Books, 2010), and *Inside the Machine: Art and Invention in the Electronic Age*. (W.W. Norton, 2015), recipient of the IEEE William and Joyce Middleton Electrical Engineering History Award for 2017. She is also co-author, with Rick Prelinger, of a series of five historical atlases of regional landscape history that

form a permanent exhibit at the Exploratorium, a science museum in San Francisco. She holds a B.A. from Reed College.

Pedro M. P. Raposo

Pedro M. P. Raposo is a curator at Adler Planetarium, Chicago. He was previously an education and outreach officer at the Astronomical Observatory of Lisbon; a Magellan Scholar at St. Catherine's College, University of Oxford; a post-doctoral fellow and invited lecturer at the University of Lisbon; and a visiting scholar at the Max Planck Institute for the History of Science, Berlin. His current research interests include the history of celestial cartography, the history of modern planetarium, and the material culture of space exploration and astrophysics.

Erik Rau

Erik P. Rau, Ph.D., directs the library at Hagley Museum & Library, which houses and interprets the most significant research collections describing the historic development of American business, technology, and industrial design. Trained as a historian of technology at the University of Pennsylvania, he has published on the early history of the systems sciences in the United States, with generous support from American Historical Association, the National Aeronautics and Space Administration, and the Smithsonian Institution's National Air & Space Museum. At Hagley, Rau oversees all library operations, including its acquisitions, digitization, conservation, research, and outreach work. Most recently, he has spearheaded the Hagley Heritage Curators (HHC) initiative around Hagley Library's long-standing practice of preserving collections on deposit. Before coming to Hagley, Rau taught at Drexel University for 14 years, contributing to the early curriculum of its Science, Technology & Society (STS) program.

Michael Robinson

Michael Robinson is a Professor of History at the University of Hartford. Oxford University Press published his, "The Lost White Tribe: Explorers, Scientists, and the Theory that Changed a Continent in 2016." He received his Ph.D. and M.A. from the University of Wisconsin-Madison and B.A. from Boston College.

Jennifer Ross-Nazzal

Jennifer Ross-Nazzal is the Historian at Johnson Space Center where she has been deeply involved with multiple oral history projects. She received her Ph.D. from Washington State University.

John D. Ruley

John D. Ruley is a freelance science/ technology/ history writer and editor who completed a mid-career Master of Science through the University of North Dakota Space Studies program in 2010. From 2015-2018 he served as archivist/editor for the Hubble Space Telescope operational history project at Foresight Science & Technology, under contract to NASA's Goddard Space Flight Center. He has worked as a commercialization analyst for Foresight since 2005, and has also been a contributing editor for Plane and Pilot Magazine, a columnist for Piper Flyer and Cessna Flyer Magazines, and a contributor to the Astrobiology/Space.com web site. He contributed five entries (and co-wrote two more) to the book Space Exploration and Humanity: A Historical Encyclopedia (Edited by Stephen Johnson, Santa Barbara, CA: ABC-CLIO, 2010), and a chapter to another book, Exploring the Solar System: The History and

Science of Planetary Exploration (Edited by Roger Launius, Palgrave-MacMillan, 2013). In his spare time, John volunteers as historian of the Commemorative Air Force Central Valley Squadron museum in Modesto, CA. More information may be found at his home page, <https://www.nasw.org/users/jruley/>.

Sharad Shah

A librarian specializing in collections management and archival material, Sharad Shah has been employed with the Smithsonian Libraries since 2014. Prior to joining the Smithsonian, Sharad (rhymes with "Jared") spent four years working in the Library of Congress's Rare Books and Special Collections Division (RBSCD) and the U.S. Copyright Office. Before moving to the DC-Metro area, he lived in Wilmington, North Carolina, where he worked as an archivist, historical consultant, and in special collections at UNC-Wilmington's William Randall Library, the New Hanover County Public Library, and the Wrightsville Beach Museum of History. A certified archivist, Sharad received a master's degree in history from UNC-Wilmington in 2008 and a master's degree in library and information science from the Catholic University of America in 2013.

Asif Siddiqi

I am interested in the history and ontology of scientific communities under intense social, economic, and political stress. My scholarship draws from a diverse and interdisciplinary range of knowledge systems, including postcolonial thought, and has been shaped by a multi-sited approach to the history of science and technology. My early writings focused on the intersection between science and technology and modern Russian history, specifically, the history of Russian/Soviet science and technology. In my first two books, I explored the intellectual, political, cultural, and social dimensions of Russian interest in the cosmos.

Molly Stothert-Maurer

Molly Stothert-Maurer is a Processing Archivist at University of Arizona Special Collections and the Curator of the History of Science Collections. She is the former Archivist at the Perkins School for the Blind in Watertown, Massachusetts. She holds a Masters degree in Information Resources and Library Science from the University of Arizona and a BFA in Studio Art from Texas State University. She enjoys working on digital projects and building websites and exhibits.

Amanda Wick

Amanda Wick is the interim Archivist at the Charles Babbage Institute at the University of Minnesota. The Charles Babbage Institute is one of the world's foremost researcher centers and archives documenting the history of information technology. Amanda's research interests lie in adapting collection development and appraisal strategies in the age of the participatory archive and utilizing collaborative relationships to locate and surface suppressed narratives within the archives. Prior to working at the Charles Babbage Institute, Amanda led major processing projects at the University of Minnesota and served as the Archives Director at the Theatre Historical Society. She received her MLIS degree from Dominican University in River Forest, IL.

Amrys Williams

Amrys O. Williams is a historian of science, technology, and the environment. She received her Ph.D. in the History of Science, Medicine, and Technology from the University of Wisconsin, Madison, and was a postdoctoral fellow at the Smithsonian's National Museum of American History. While teaching in the Department of History at Wesleyan University, she launched Under Connecticut Skies, a digital and public history project to research, document, and interpret a century of astronomical teaching, research, and outreach at the Van Vleck Observatory. She is currently Associate Director and Oral Historian in the Center for the History of Business, Technology, and Society at the Hagley Museum and Library, and Adjunct Assistant Professor of History at the University of Delaware.

Patti Williams

Patricia Williams is the Acquisition Archivist and Deputy Chair for the National Air and Space Museum Archives, Smithsonian Institution. She has a BA in History from Bethel College (KS) and a Master of Library Science from the University of Maryland. She has been a member of the Archives Division since 1989. She is responsible for incoming archival donations, including the initial cataloging and working with donors for the transfer of intellectual and physical control. She is also the digitization coordinator for the Archives Division as well as the disaster planning coordinator for the Archives.

