



# IAA HISTORY COMMITTEE

MEETING Thursday 28 September 2017

12:30 - 14:30

Location: Adelaide

## Meeting Minutes

Dear friends, please find the minutes from our last meeting in Adelaide:

### Participants:

O. Liepack, K. Dougherty, N. Reinke, H. Mayer, R. Tillman, R. Rugescu, K.-H. Rohrwild, P. Cosyn, N. Tinjod, M. Gruntman, A. Erickson, G. Schwehm

### Guest:

P. Swan

### Excused:

R. Godwin, M. Ciancone, R. Malina, R. Sturdevant, M. Perera, I. Skoog, J. Becklake, O. Zhdanovich, C. Lardier, D. Elder, P.F. Mouriaux, V. Gomes, J. Charles, G. James, M. Freeman, D. Dunham, J. Harlow, P. Jukola,

### 0) Comments by guest, Pete Swan:

- a. Space Elevator: A book on the history of the Space Elevator was published in March 2017. Details in the appendix A of the minutes.
- b. IAC 2019 in Washington: How can we attract retired Apollo participants who cannot afford the IAC's fees? Discussed whether/how IAC fees can be either waived or paid by commercial companies. Swan knows people at Boeing and will get in touch with them to see if they would be willing to pay fees and/or other costs, so that their former employees can present their story.

1) Welcome and agenda adoption

- a. Agenda was received and adopted

2) Minutes of the meeting IAC Guadalajara 2016

- a. Received and adopted
- b. As a reminder, all meeting minutes are on the History Committee webpage of the IAA.

<http://iaaweb.org/content/view/398/556/>

3) 50 years Moon Landing

- a. There is an overall issue that potential presenters can't afford high conference fees and/or travel costs. This is a reoccurring issue that we have faced for many years. We need to work towards either having the conference fee for Apollo personnel who wish to be speakers waived, or industry should be approached to provide funding. For that purpose a generic letter was generated last spring that should be used to inquire if a company would be willing to provide funding to a former employee to present a paper at the next two IAC conferences. The letter is attached in appendix C.
- b. The following committee members agreed to contact industry partners or potential presenters to provide a paper on the occasion of the Apollo 11 anniversary. A complete list with action items can be found in appendix C.

Schwehm: contact Johannes Geiss (Bern) to prepare a presentation about solar wind experiment

Tinjod: check with Krige and ESA archive if predecessors of ESA were involved in Apollo 11

Tillman, Tinjod: will check with Russians

Schwehm: Leica for camera system and navigation system

Tillman: Northrop Grumman Space Technology (NGST), Aerojet

Liepack: Lockheed Martin (LMA)

Swan: Boeing

Tillman: Udvar Hazy and Virginia Space Museum

Liepack: MSFC, NASA Chief Historian

A progress report from the individuals is expected by February 1st

4) History of Astronautics Symposium 2017, 2018, 2019

***IAC 2017 Adelaide (51st History Symposium)***

Below is the list of chairperson and rapporteurs for the Adelaide conference. Several colleagues were unfortunately not able to attend and their positions were filled ad-hoc. The list below reflects what was originally planned.

Coordinators:

Chair: C. Rothmund

Co-chairs: A.I. Skoog, O. Liepack

Volume editor: K. Dougherty

Session 1 Memoirs and Organizational Histories:

Co-chairs: M. Freeman, N. Reinke

Rapporteurs: K. Rohrwild, J. Charles

Session 2 Scientific and Technical Histories:

Co-chairs: W. Jones, R. Rugescu

Rapporteurs: C. Rothmund, P. Jukola

Session 3.1: History of Australia's Contribution to Astronautics

Co-chairs: O. Liepack + K. Dougherty

Rapporteurs: J. Harlow + P. Cosyn (

Session 3.2: "Can you believe they put a man on the moon?"

Co-chairs: J. Charles + V. Gomes

Rapporteurs: R. Tillman + J. Becklake

***IAC 2018 Bremen (52nd History Symposium)***

Coordinators:

Chair: K. Dougherty

Co-chairs: A.I. Skoog, O. Liepack

Volume editor: H. Mayer

Session 1 Memoirs, Organizational, Scientific and Technical Histories:

Co-chairs: M. Freeman, N. Reinke  
Rapporteurs: R. Tillman, M. Ciancone

Session 2: History of Germany's Contribution to Astronautics Post WWII

Co-chairs: O. Liepack + K. H. Rohrwild  
Rapporteurs: J. Harlow + R. Rugescu

Session 3: "Can you believe they put a man on the moon?"

Co-chairs: J. Charles + V. Gomes  
Rapporteurs: C. Rothmund+ H. Mayer

***IAC 2019 Washington (53rd History Symposium)***

Coordinators:

Chair: K. Dougherty  
Co-chairs: A.I. Skoog, O. Liepack  
Volume editor: O. Liepack

Session 1 Memoirs, Organizational, Scientific and Technical Histories:

Co-chairs: M. Freeman, N. Reinke  
Rapporteurs: H. Mayer, M. Ciancone

Session 2: History of US Contribution to Astronautics Post WWII

Co-chairs: O. Liepack + K. H. Rohrwild  
Rapporteurs: J. Harlow + R. Rugescu

Session 3: "Can you believe they put a man on the moon?" The Apollo11 50<sup>th</sup> Anniversary

Co-chairs: J. Charles + V. Gomes  
Rapporteurs: K. Dougherty + R. Tillman

5) Status of Proceedings, I. Skoog

- a. IAA History Symposia Proceedings, publication status

The 2015 Proceedings from the 49<sup>th</sup> IAA History Symposium in Jerusalem are now available and can be ordered from the publisher Univelt, Inc. (<http://www.univelt.com/History.html>). IAA History Ctee members are entitled to a 50% discount.

The 2016 Guadalajara proceedings manuscript has gone through the copy editing and is now with the publisher. Publication date later this autumn.

The Bibliographic Index Book Vol 2 (2001-2016) is under preparation (60 % complete) and the manuscript should be ready by early 2018 (after completion of the 2016 proceedings) for publication in spring 2018.

**We are now finally on the planned schedule for the publications.**

b. E-publication of the Proceedings

During the spring meeting of the IAA History Ctee it was once more discussed how the sale of the proceedings could be improved. One of the obstacles is the fairly high price of the printed version. The question came up, whether Univelt would be open to generate an ebook version of each proceeding at a significant lower price than the printed version.

This issue has been discussed within the Editorial Board of the IAA History Symposia Proceedings, and the results were summarized in a memo (“Do we need an electronic version of the IAA History Symposia Proceedings?”) issued July 12, 2017 and distributed to the ctee members for comments.

*In conclusion, ....., one might find a viable option for the future in trying to reduce sale price for one option and increase the turn over for the publisher by a certain combination of the two options:*

- *Continue the hard cover version and include an electronic copy (e-book version or CD?) for an unchanged price. Might make it more attractive to libraries (and private researchers?).*
- *Introduce an e-book version. The format and illegal distribution issues must be solved. The price should be visibly lower than the present soft cover version. This could possibly also help the IAA History Ctee to move into new formats for the history papers.*

The responses from the members of the ctee were relatively poor. Only less than 20% of the members responded to the plea for comments and recommendations! The overall recommendations were:

- Keep hard cover version possibly with a CD (PDF) version included.

- A separate electronic version either as an ebook (EPUB or MOBI) or CD (PDF).

In conclusion of the responses the publisher Roberth Jacobs of Univelt made following suggestion:

*1. A full hard copy version, along with the full volume on CD (combined version). That way the libraries have the same full volume in two formats, and the PDF version is fully linked and searchable.*

*2. A CD-only version, which a few of the libraries have opted for to save space.*

*3. A downloadable version which is in the exact same format as the CD version (mostly conference attendees that qualify to get the digital version as part of their registration fee opt for the downloadable version which is distributed via WeTransfer). (Note: The CD version would be a peer reviewed and copy edited version of the papers in a book format, and not the same as on the congress CD!)*

**It is now up to the IAA History Ctee meeting to discuss this matter and to give a final recommendation.**

Discussion:

Tillman: have hardcopy manuscripts available for a limited time (e.g. five years) and then make pdf available free of charge.

**Skoog** to contact Jacobs if this is acceptable.

Gruntman: suggests to convert old proceedings into pdf and make these available if they are older than five years.

- 6) Review of current membership to update current email distribution
  - a. The updated membership list will be distributed with the meeting minutes
  - b. New members election have been elected to the History Committee:

### **Nathalie Tinjod**

Background : Military History, Geopolitics, Multilateralism, European Studies, Space History. Doctoral interdisciplinary studies at the European University Institute (EUI) in Florence in the 90s (research work on boundaries and borders, from a political, geopolitical, economical, military, and religious point of view). Led to work on the ultimate Frontier of Human exploration : space. Was a researcher at the EUI when Professor John Krige started to lead the ESA History

Project who was hosted therein. Started to support this project in 1997 and was recruited at ESA (after 2 years as consultant) in 1999 as Head of the Records Management Office, 1) to collect and properly organized all records and archives, and their management IT systems, and transfer historical records to the EUI where they are kept together with EU historical archives, 2) to contribute to the ESA History Project and to its oral history component, 3) to support the enhancement of the decision making process at ESA. She is currently the History Project Coordinator (since the departure of Hans Oberlechner) [as well as the Head of the Protocol and General Affairs Office in ESA DG's Cabinet.]

**Piero Messina**

He is Senior Administrator, Relations with Member States Department, Director General's Cabinet, ESA, Paris, France. He is specialized in space exploration policy. He contributed to the establishment of ESA's Aurora Exploration program in particular on the communication and institutional relations aspects. He is among the founding members of the international space education board and he conceptualized and established the ESA's Advisory Committee on Education. He served as project leader for an ISU team project on Lunar and Mars exploration. He actively participated in the definition of the international space exploration coordination group (ISECG) documents

**Gerhard Schwehm:**

Project Scientist of GIOTTO, Rosetta, Head of Space Science, retired from ESA

We would like to attract new committee members from other countries, such as India, Japan, China.

Schwehm, Reinke to contact colleagues in India, Japan (Kawaguchi)

Tillman to contact colleagues in China

7) Facebook discussion, from last Spring and still current:

- a. "Quarterly discussion". We had a discussion how to keep the Facebook page up to date and how to involve interested people. An idea was discussed and adopted to have an on-line discussion with a new topic

every three months. Every Committee member is asked to send in 3-4 topics to Gomes. These topics are then used to have this quarterly discussion on the Facebook page.

- b. Bio: Committee members are asked to send their bio to Vera. See also email from Vera and Rachel from December 2016.
- c. Status of Facebook (FB) page in September: during the week of the IAC, our page reached more than 10000 people!!! Thanks Vera!!!!

8) Election of new chairperson:

Co-Chair: Dougherty

Co-Chair: Liepack

Secretary: TBD

9) Go around the room

- a. To allow committee members to participate remotely in meetings, Mayer reports that Google Hangout or Skype are free of charge. He will investigate what is required to set this up.

10) Status of history activities

- a. Recent publishing of space history book - specifically: **Space Elevator: A History**. The announcement for the book is attached as a pdf. The key is that the space elevator has been discussed since 1895 and has a colorful history. This is first edition and we expect enhancements from feedback of global players. NOTE: free pdf at [www.isec.org](http://www.isec.org) - print copy costs \$12
- b. Kerrie Dougherty's new Australian space history book ***Australia in Space*** was launched at the Congress on Tuesday, Sept. 26 by Australian astronaut Andy Thomas. This book is a fully updated and expanded version of her earlier book ***Space Australia***. It can be ordered from the publisher [http://atfpress.com/?s=australia+in+space&post\\_type=product](http://atfpress.com/?s=australia+in+space&post_type=product)

Kerrie also curated a temporary exhibition at the State Library of South Australia, ***From the Outback to Outer Space: Woomera and Space 1955-1980***, which was developed as part of the IAC education and outreach program, and was instrumental in having Australia Post issue a special commemorative stamp to celebrate the 50<sup>th</sup> anniversary of the launch of Australia's first satellite.



11) Reports from committee members:

a. John Becklake:

- i. I am now editor of the 4 monthly Space Chronicle magazine published by the BIS with a strong history bias - soon to become a quarterly. So I would welcome any articles from members of your committee.
- ii. The BIS History Committee is starting on a "History of British Rocketry" - working title at present - book with an approximate word count of 300,000 words. The story will start from around the 13th century to the present. I am the Editor and writer of several chapters. Other authors include Frank Winter and Andrew Chatwin - History Committee Chairman. This is due for publication in 2019/20.

## Appendix A:

History is, of course, usually considered 'old', but, in fact, history is really anything before today! Hence a number of rather more recent developments, publications and events are included in the various chapters in the book. Although parts of the text herein were contributed by some who were not so involved in the formative years of the space elevator, efforts have been made to expand the material in an attempt to make it as complete and accurate as possible. This book should be considered as essentially a first

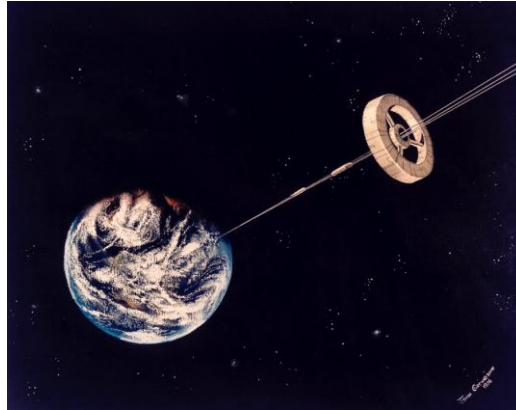
edition and it is anticipated to bring out further updated issues as additional material becomes available, information is augmented or corrected, and more people are forthcoming with their own involvement in the concept of space elevators which will add to this book's historical richness. Please send insights and input to [info@isec.org](mailto:info@isec.org).

David Raitt 1 March 2017

Purchase book at: <http://www.lulu.com/shop/david-raitt/space-elevators-a-history/paperback/product-23125994.html>

Download pdf [free] at: <http://isec.org/space-elevator-history-book/>

### Space Elevators: A History



David Raitt, Editor

Prepared by the ISEC History Committee

Contributors: Mark Dodrill, Nicholas Martin, David Raitt, Ted Semon, Evan Smith, Peter Swan



Appendix B: Sign up sheet

Name	email	Affiliation
Offrid Liepach	oliepach@jpl.nasa.gov	JPL
KERRIE DOUGHERTY	kerrie.dougherty@gmail.com	J.N.D.
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NATHALIE TINSOD	nathalie.tinsod@esa.int	

## Appendix C: Generic letter to industry or potential presenters

### **Seeking Participation in The Apollo 11 Lunar landing 50<sup>th</sup> Anniversary in 2019**

In two years' time, 2019, the 50<sup>th</sup> Anniversary of the first lunar landing by Apollo 11 takes place. Clearly major national celebrations are to be expected, but this is also the opportunity for the International Academy of Astronautics (IAA) and the International Astronautical Congress (IAC) to honour this historical event.

The IAA History Committee is presently discussing ways to observe this event and to define options for a commemoration in 2019, including a plan of possible annual events leading up to the final event at the IAC in 2019 in Washington, D.C. For this purpose, we now have sessions planned for the IAA History Symposia programs in 2017 (Adelaide) and 2018 (Bremen) dedicated to the start and development of the Apollo program. These lead up to a final Apollo 11 session at IAC in 2019 in connection with the expected overall celebration.

The IAA History Committee intends to include Apollo-era participants as much as possible. We are looking for participation and recollections from any interested astronauts, flight controllers, medical personnel, ground support engineers, spacesuit technicians, trainers and anyone else.

The preparation for the 2019 conference should start now and we would like to propose to create synergies between your plans and ours in order to maximize the opportunity that this anniversary brings.

Please consider assisting us in publicizing this opportunity and identifying such participants who are interested and available, especially if they are already planning to attend the IAC events in Bremen and/or Washington.

NAL: National Alumni League:

ASMA: Aerospace Medical Association:

POC: Point of Contact

Organization to contact	Venue	Output	POC	Status
LOC	DC	Inquire what are they doing	Charles	
NAL	Bremen, DC	Papers, Participation	Charles	
ASMA, incl. Europeans	Bremen, DC	Paper, Participation	Charles	
Russian Papers Siddiqi	Bremen, DC	Paper	Charles	
ASE, Dunbar	Bremen, DC	Paper	Charles	
LMA	Bremen, DC	Paper	Liepack	
Boeing	Bremen, DC	Paper	Tillman	
NGST	Bremen, DC	Paper	Tillman	
Moonvillage	Bremen, DC	Paper, future coordination	Gomes	
ILC, Hamilton Standard, David Clarke	Bremen, DC	Paper, maybe artefact	Charles	
Rocketdyne, Mahone	Bremen, DC	Papers	Liepack NEW : HARLOW	
U. Hazy, Virginia Space Museum	DC	Papers	Tillman	
Russia	Bremen, DC	Papers	Tinjod, Tillman	
Aerojet	Bremen, DC	Papers	Tillman NEW : HARLOW	
Duane Day	Bremen, DC	Promotion, Participation	Charles	
ESA History	Bremen, DC	Paper	Tinjod	

NASA-HQ MSFC	DC	Paper	Liepack	
Johannes Geiss	Bremen		Schwehm	