



IAA Study Group 6.7
50th Anniversary of the Space Era 2007

HISTORY STUDY GROUP MEETING n° 1

IAC FUKUOKA

15.10.2005

Participants

Edward STONE - IAA President (partly), Kerrie DOUGHERTY, Marsha FREEMAN, William JONES, Otfried LIEPACK, Christophe ROTHMUND, A. Ingemar SKOOG, Emily SPRINGER

Excused

John BECKLAKE, Philippe COSYN, José DORADO, John ELDER, Chris GAINOR, George JAMES, Philippe JUNG, Roger LAUNIUS, Charles LUNDQUIST, Roger MALINA, Fred ORDWAY, Dick STEVEN

The History Study Group held its annual meetings on the occasion of IAC 2005 in Fukuoka.

1) OPENING OF THE FIRST MEETING & ADOPTION OF THE AGENDA

The Saturday meeting is opened by A.I. Skoog, Study Group Co-Chair. The agenda distributed ahead of the meeting is unanimously adopted.

Introduction by IAA President Ed Stone

IAA President Ed Stone welcomes all participants of the IAA (History) Study Group 6.7 to the Fukuoka venue.

Since the last meeting in Vancouver a new initiative from IAF for history activities has become known. President Stone saw it as most appropriate to personally inform the IAA History Group on these activities. IAF is planning on creating an “Advisory Committee on History Activities”. This committee is to advise and give guidelines to IAF (in cooperation with IAA and IISL) on potential activities in the field of history of international space cooperations. The platform is to be created, but it could be selected symposia with pioneers and historians discussing aspects of the origin and conduct of international space cooperation endeavours. The IAF president is trying to raise funds for these kinds of undertakings. President Stone points out that this IAF initiative is not in conflict with the regularly ongoing IAA History Group activities and the IAA History Symposia. A close coordination between IAF and the IAA History Group has been guaranteed. The intent would be to name the new advisory committee “IAF/IAA/IISL Advisory Committee on History Activities”. This committee is only to propose new studies, not to conduct them.

The IAA History Group Chair is requested to get in contact with IAF President Jim Zimmerman and the IAF VP History Activities, Yasunori Matogawa, for a closer coordination, as well as to look after IAA interests. (AI 05-01)

2) ADOPTION OF THE VANCOUVER 2004 MINUTES OF MEETING

The draft of the minutes from the Vancouver 2004 meetings were distributed ahead of the meeting. A few minor comments were received. The AI n° 04-05 “Mars Exploration Study Group” was closed as no action was planned (see [Annex 1](#)). The minutes are unanimously approved and will be posted on the Study Group web page.

3) STATUS OF THE FUKUOKA 2005 HISTORY SYMPOSIUM

Symposium Coordinators: Emily Springer, as Editor for 2005 Proceedings, is added to list of Coordinators (see programme on web page).

Papers not to be presented:

- **Session 1:** .01 (Villain) withdrawn
.02 (Rugescu) unclear [turned out does not exist]
.08 (Moulin) withdrawn
[.06 & .09 also eventually did not show up]
- [Session 2 was cancelled at IPC time, due to lack of abstracts]
- **Session 3:** .01 (Sudakov) withdrawn
.04 (Kerstein) missing
.06 (Chongzhi) unclear [was eventually presented]
- **Session 4:** .04 (Nakatani) withdrawn

Co-chairs/Rapporteurs:

- **Session 1:** Co-chair Ordway missing. Replaced by M. Freeman
Rapporteur McKenna-Lawlor missing. Th. Pirard present
- **Session 3:** Rapporteurs Harlow & Braun missing. Replaced by E. Springer
- **Session 4:** Rapporteurs Launius & Liebermann missing. Replaced by K. Dougherty

Papers for the Proceedings: all papers except the ones above under “Papers not to be Presented” are available on Internet. For any further paper to be presented, the manuscript will have to be uploaded before the presentation.

Editor of Proceedings: to ease the access to all papers for the Editor of the IAA History Symposium Proceedings, the selected Editor shall in the future be added to the list of Symposium Coordinators.

4) STATUS OF VALENCIA 2006 HISTORY SYMPOSIUM

Dr. Dorado accepts to act as Co-Chair for the Session 4 “Spanish Contributions to the History of Rocketry and Astronautics”. See [Annex 2](#).

5) EDITOR FOR THE HISTORY 2006 PROCEEDINGS

In his quality of planned Editor for the 2006 IAA History Symposium Proceedings, Dr. Dorado will be contacted during the week to possibly find a Spanish editor. ([AI 05-02](#))

6) PROPOSAL FOR THE NEW DELHI 2007 HISTORY SYMPOSIUM

- **Sessions and Themes**
As the inputs from Russia on planned activities for 2007 are still open, a conclusive discussion must be deferred. A general opinion is that at least one session should be dedicated to the 50th anniversary of Sputnik 1 and IGY.
- **Co-Chairs/Rapporteurs**
The Rapporteur for Session 3, Julius Braun, will be replaced by Emily Springer.
- **Editor for 2007 History Proceedings**
The Editor should be in the Symposia Coordinators group in order to secure access to all papers on the congress Internet site. The proposed Editor is Tony Springer.

See [Annex 3](#).

7) STATUS OF HISTORY SYMPOSIA PROCEEDINGS

The Coordinator for the IAA History Symposia Proceedings, Roger Launius, has provided in writing the following status for the preparation of the proceedings:

- 1997 (Turin) by George James: published June 2005.
- 1998 (Melbourne) by Kerrie Dougherty: manuscript at Editor-in-Chief. Some illustrations still missing. Publication end of 2005.
- 1999 (Amsterdam) by Frank Winter: manuscript due December 2005.
- 2000 (Rio) by Otfried Liepack: manuscript due December 2005. 70% of papers edited. Some illustrations still missing.
- 2001 (Toulouse) by Christophe Rothmund: manuscript due March 2006. 25% of papers edited.
- 2002 (Houston) by Michael L. Ciancone: complete manuscript at Editor-in-Chief since December 2004.
- 2003 (Bremen) by Otfried Liepack: manuscript due December 2006.
- 2004 (Vancouver) by A. Ingemar Skoog: manuscript due January 2007.

8) REPORT TO COMMISSION VI

The report prepared for Commission VI is presented and approved (see [Annex 4](#)).

9) NEXT MEETING

Meeting n° 2 will be held, as planned, next Thursday, October 20th.

HISTORY STUDY GROUP MEETING n° 2

IAC FUKUOKA

20.10.2005

Participants

Philippe COSYN, José DORADO, Marsha FREEMAN, William JONES, Paivi JUKOLA, Philippe JUNG, Christian LARDIER, Otfried LIEPACK, Charles LUNDQUIST, Roger MALINA, Yasunori MATOGAWA, Hervé MOULIN, Christophe ROTHMUND, A. Ingemar SKOOG, Emily SPRINGER

Excused

John BECKLAKE, John ELDER, Chris GAINOR, George JAMES, Roger LAUNIUS, Fred ORDWAY, Dick STEVEN

1) OPENING OF THE SECOND MEETING & ADOPTION OF THE AGENDA

The Thursday meeting is opened by A.I. Skoog, Study Group Co-Chair. The agenda distributed ahead of the meeting is unanimously adopted.

2) STATUS OF STUDY GROUP 6.4 “IAA HISTORY SYMPOSIA BIBLIOGRAPHY INDEX”

H. Moulin reports that, after protracted negotiations, Univelt finally will be offered to publish his book in the IAA History Symposia Series. Only minor comments, about the style, actually were made to his draft. The IAA Study Group 6.4 has completed its work and is closed.

3) REPORT ON COMMISSION VI MEETING ON OCTOBER 16th

It is reminded that a joint IAF, IAA and IISL Advisory Committee on History of Cooperation in Space Activities (ACHA) is being created by the IAF. It is noted that a joint Scientific Legal Liaison Committee already exist between IAF/IAA/IISL. J. Zimmerman is of the opinion that some funding can be raised for ACHA projects, which R. Malina regards as necessary for this Committee to become active. It is planned to include two persons from each organisation, and anyhow less than 10 persons in total. Y. Matogawa (already IAF VP with History tasks assignment), A. I. Skoog, S. Doyle, J. Galloway, J. Logsdon are identified as potential candidates. A charter for this joint “IAF/IAA/IISL Advisory Committee on History of Cooperation in Space Activities” (IAF/IAA/IISL ACHA) has been prepared ([Annex 5](#)) and approved by the presidents of the three bodies. After formal approval of the forming of this joint committee by the IAF General Assembly the IAF/IAA/IISL ACHA will be created.

A reduced IAC rate will be offered to retired people. This is a good opportunity for history.

For this IAC, the paper cancellation rate has so far been 25%. IPC decided that late papers would not be given a podium. Abstracts provided after the deadline also now have to be refused. The quality of posters has to be improved. It has been mentioned that 4 Plenary and High Light Event lectures per day in Fukuoka is too much, as well as being detrimental to contacts and technical sessions.

Valencia is prepared to strengthen the Plenary Sessions, e.g. to invite non-professionals. J. Dorado has been the Spanish responsible for the ESA History series. Spanish space pioneers are now being located for a planned series of monographs on personal history. There is a project in Spain about creating a Space Foundation for historical research, with the financial support of industry, as well as possibly from ESA contracts.

Charles Lundquist pointed out that a large amount of personal files on Spacelab are available in the Huntsville area and that e.g. Jan Bijvoet, the ESA Spacelab representative in MSFC Huntsville, has been thinking about writing a history of Spacelab, while there already have been books from Prof. Vallerani and Doug Lord.

In Delhi, U. Rao will be in charge of the special sessions.

For the 2006 IAA History Proceedings, J. Dorado cannot take responsibility as an editor, due to other commitments. M. Freeman volunteers to undertake this task (closes AI 05-02), which thus gives:

IAC	Editor
1998 Melbourne	K. Dougherty
1999 Amsterdam	F. Winter
2000 Rio	O. Liepack
2001 Toulouse	C. Rothmund
2002 Houston	M. Ciancone
2003 Bremen	O. Liepack
2004 Vancouver	A. I. Skoog
2005 Fukuoka	E. Springer
2006 Valencia	M. Freeman
2007 Delhi	T. Springer

A.I. Skoog will inform IAF about M. Freeman nomination ([AI 05-03](#)).

4) MEMBERSHIP OF THE 2007 STUDY GROUP

As Study Group Co-Chair, it is decided that Y. Matogawa (a majority vote for him) replaces G. James.

See [Annex 6](#) for membership list.

5) 50th ANNIVERSARY OF THE SPACE ERA IN 2007

Four organisations are planning a commemoration in Russia: Russian Academy of Sciences (RAS), Russian Federal Space Agency (RKA), Russian Cosmonautics Federation and Tsiolkovsky Academy of Cosmonautics.

Before the meeting, six scenarii had been proposed by A. I. Skoog for an IAA commemoration.

N°	Event
1	Dedicated History Symposium
2	IAC Plenary
3	Dedicated History Symposium + IAC Plenary
4	Specific IAA History Symposium
5	Co-organised Symposium with Russia
6	Standard History Symposium

A unanimous decision is taken to proceed with a merger of n° 2 and 6, i.e. to have our standard Symposium, with one session dedicated to the anniversary (invited papers are encouraged), plus to propose an IAC Plenary (preferably on the first day, with top ranking speakers, and trying to get corresponding papers for our proceedings). We will have to ensure that this Plenary is not made of Russian participants only, but that the International Geophysical Year (IGY) and Sputnik 1 both are main topics.

See also [Annex 3](#).

6) MEMBERS ACTIVITIES

(Japan)

The launch of the first Pencil rocket in 1955 was commemorated in Japan: Pencil models were launched, exhibits were staged and a time capsule was created.

(France)

AAAF History Saturdays: the last one on December 11th, 2004 was on Precious Stones rockets on the 40th anniversary of the first launch of Emeraude; the next one on December 10th, 2005 will be on the anniversary of ESA creation. Conferences on satellites, history of astronautics, manned spaceflight, Huygens were given, as well as a talk on the fascinating similarities between Verne, Von Braun and Hergé. An editorial on the historical significance of Huygens, landing 10 time farther than ever, at the first attempt, was published in AA AF Letter n° 2/2005 (it is since known that, on top of all nominal equipment, all redundancies also worked, maybe a first?).

The regular Hermes dinner took place on October 15th, 2004 in the presence of, notably C. and J.P. Haigneré, in the A380 premises. P. Jung has published the 3rd edition of his astronautics chronology. Corrections have been sent about the X-2 records, X-43, Huygens, Apollo 11, Topex-Poseidon/Jason, Lunar laser reflectors, Galaxy 14, Meteosat, DSP, NOSS, RV-A-10, Shavit. Cosmonaut I. Volk, VP of the Federation of Cosmonauts, was received in Cannes on November 27th, 2004 in his quality of President of the St Exupéry Foundation (where he met the team who discovered St Ex plane). Activities are pursued on Damblanc (he also worked on helicopters), Mars probes, ONERA rockets, the Maruca naval missile, biological flights. *Aerospatiale Matra Patrimoine d'EADS* is active in historical matters, publishing a letter and creating a web site. An attempt is made at saving ELA 2 pad in Kourou, the destruction of which has been suspended. Support has been given on White Cloud, small satellites, GEO satellites, *Espace Magazine*, history of space technology, and the Huygens prizes. The 40th anniversary of the launch of Diamant n° 1, which made France the 3rd space power, at the very first attempt, will be commemorated on November 26th in Bordeaux (the main industrial site) and Vernon (the site for liquid propulsion): J. Villain (IFHE) & P. Jung will make historical presentations. Workshops on the history of French sounding rockets are starting in Paris and Toulouse, with IFHE and CNES. The STM model of TDF-1 is being salvaged with the help of *Observatoire de l'Espace/CNES*.

Others The 4th IFHE seminar on December 8/9th will be about the early Franco-US relations in space. A workshop on ESA history took place on April 13/14th in Paris. ANAE has published a book on significant French aerospace people. The history committee of DGA has been working on French tactical and strategic missiles. (a workshop took place on November 25th, 2004). G. Lafferranderie, a CNES & ESA jurist, was awarded the first Hubert Curien Prize by Eurisy. Books have been published about the history of Belgian space activities (T. Pirard, Aubinière Prize 2004), Kourou (P. Chiquet), French solid propulsion (E. Torres), early French rockets (O. Huwart). A common museum SNECMA/LRBA is foreseen.

(Germany)

Hartmut Sängner organised a symposium in Berlin on May 7th, about the projects of his father.

(USA)

AIAA will commemorate its 75th anniversary in 2006, for which T. Crouch will be active.

(Australia)

K. Dougherty made 14 conferences on space history in Sydney and Newcastle, and contributed to D. Millard's book "Retrieving Woomera's Heritage". She contributed 2 articles, on Australia and the Conspiracy Theory, for the "Encyclopaedia of Space Exploration & Humanity" (ABC-CLIO, Santa Barbara).

The Woomera Heritage Centre re-opened in March 2004 (with Kerrie's contribution). In November 2004, a documentary on Woomera was aired on ABC TV. A symposium on Woomera's heritage will take place in November 2005 in Adelaide.

7) SATURDAY MEETING

About the possibility to replace the traditional Saturday meeting by an "e-mail" meeting, only 4 vote for the latter. So the Saturday meeting will be kept.

8) SG WEB PAGE

There will be a new IAA web page: iaaweb.org. The IAA Study Groups all have their individual locations on the IAA web site.

9) MISCELLANEOUS

P. Jung proposes to include the biography of the authors in the proceedings, as this would be additional and valuable historical material. A.I. Skoog to check this proposition with the History Symposia Proceedings Coordinator, the Editor-in-Chief and the Publisher. ([AI 05-04](#)). Instructions to the authors and editors have to be prepared, in case proposition is accepted.

10) SG DINNER

Y. Matogawa has kindly organised our annual dinner, this evening at 19:00, in a typical Japanese restaurant: Mizuna, Tenjin Street (tel. 092 737 6003).

Annex 1 - Minutes 15.10.2005



IAA Study Group 6.7
50th Anniversary of the Space Era 2007

Action Item List 2004

No	Title	Responsible	Due Date	Closure
04-01	Preparation of a set of instructions for the Editors.	R. Launius	asap	29.10.2004
04-02	Final manuscript 1997 Proceedings	G.S. James	31.10.2004	End 2004
04-03	Final manuscript 1998 Proceedings	K. Dougherty	31.12.2004	30.09.2004
04-04	Description of new history study group	O. Liepack F. Ordway	asap	07.10.2004
04-05	Mars Exploration study group proposal	O. Liepack	---	Closed 15.10.05 No action
04-06	Program Ctee for 2006 in Valencia	G.S. James Ch. Rothmund	March 2005	07.10.2004
04-07	Agenda Fukuoka	P. Jung A.I. Skoog	Sept 2005	19.09.2005

ANNEX 2 - MoM 15.10.2005

57th IAF CONGRESS, VALENCIA (2006)
06-IAA.E4 40th History of Astronautics Symposium

Description: history of space science, technology & development, rocketry, personal memoirs. The entire spectrum of space history, at least 25 years old, is covered.

Coordinators:

George JAMES Rocket Research Institute Inc, Eastern Operations Office P.O. Box 7122 WASHINGTON, DC 20044-7122 USA Tel : (1) 202 586 9472 Fax : (1) 202 586 8134 E-m : George.James@ee.doe.gov	Christophe ROTHMUND SNECMA Moteurs BP 802 27208 VERNON CEDEX FRANCE Tel : (33) 2 32 21 71 20 Fax : (33) 2 32 21 88 75 E-m : christophe.rothmund@sneema.fr
Marsha FREEMAN (Editor of IAA History Proceedings) 21 st Century POB 16285 WASHINGTON DC 20041 USA Tel : (1) 703 777 7473 Fax : (1) 703 777 8853 E-m : krafft@erols.com	

Session 1: memoirs

Description: autobiographical & biographical memoirs of individuals who have made original contributions to astronautics & rocketry.

Co-Chairs:

Frederick I. ORDWAY US Space & Rocket Center 2401 N. Taylor Street ARLINGTON, VA 22207 USA Tel : (1) 703 524 4487 Fax : (1) 703 524 5856 E-m : ordmars@aol.com	Hervé MOULIN IFHE 139, rue de Picpus 75012 PARIS FRANCE Tel : (33) 1 44 74 07 44 Fax : (33) 1 44 74 00 12 E-m : herve.moulin-hmi@wanadoo.fr
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Rapporteurs :

Théo PIRARD Space Information Center Route de la Croix-Maga, 58 4860 PEPINSTER BELGIUM Tel : (32) 87 46 11 39 Fax : (32) 87 46 91 13 E-m : theopirard@hotmail.com	Susan McKENNA-LAWLOR Space Technology (Ireland) Ltd MAYNOOTH, Co. KILDARE IRELAND Tel : (353) 1 628 6788 Fax : (353) 1 628 6470 E-m : still@nuim.ie
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Session 2: organisational histories

Description: history of government, industrial, academic & professional societies & organisations long engaged in astronomical endeavours.

Co-Chairs:

Ingemar SKOOG Im Widdum 3 D-88090 IMMENSTAAD GERMANY Tel: (49) 7545 2595 Fax: E-m: ake.ingemar.skoog@t-online.de	Marsha FREEMAN 21 st Century POB 16285 WASHINGTON DC 20041 USA Tel : (1) 703 777 7473 Fax : (1) 703 777 8853 E-m : krafft@erols.com
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Rapporteurs :

Philippe COSYN Van Swaestraat 11 1090 BRUSSELS BELGIUM Tel : (32) 496 25 34 85 Fax : E-m : Philippe.Cosyn@vrt.be	Richard DOWLING Space Media USA Tel: (1) 818 248 0815 Fax: (1) 818 248 0654 E-mail: rldowling@aol.com
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Session 3: scientific & technical reviews

Description: historical summaries of rocket & space programs.

Co-Chairs:

Philippe JUNG AAAF 150, route de Pégomas 06130 GRASSE FRANCE Tel : (33) 8 72 18 61 14 Mob : (33) 6 81 08 46 79 E-m : philippe.jung3@free.fr	Kerrie DOUGHERTY Curator Space Technology Powerhouse Museum PO Box K346 HAYMARKET, NSW AUSTRALIA 2000 Tel : (61) 2 921 70 204 Fax : (61) 2 921 70 355 E-m : kerried@phm.gov.au
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Rapporteurs:

Julius BRAUN 118 West Kings Highway SAN ANTONIO, TX 78212-2962 USA Tel : (1) 210 732 7738 Fax : (1) 210 822 4648 E-m : tootsie@bigplanet.com	John HARLOW 14 Phoebes Orchard STOKE HAMMOND, BUCKS MK17 9LW UK Tel : (44) 1525 270 138 Fax : (44) 1525 270 138 E-m : john@jharlow.fsnet.co.uk
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Session 4: history of Spanish contribution to astronautics

Description: special session with invited speakers

Co-Chairs:

Otfrid LIEPACK JPL Mail Stop 264-630 4800 Oak Grove Drive PASADENA, CA 91109-8099 USA Tel : (1) 818 393 7988 Fax : (1) 818 393 5892 E-m : otfrid.liepack@jpl.nasa.gov	José DORADO SPAIN Tel: Fax: E-m: jmdorado@recol.es
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Rapporteurs:

Roger LAUNIUS Smithsonian Institution-Space History NASM - Room 3550 MRC 311 PO Box 37012 WASHINGTON DC 20013-7102 USA Tel : (1) 202 633 2428 Fax : (1) 202 786 2947 E-m : launiusr@nasm.si.edu	Yasunori MATOGAWA JAXA World Trade Center Building 2-4-1 HAMAMATSU-CHO, MINATO-KU TOKYO 105-8060 JAPAN Tel : (81) 427 51 1185/ 427 59 8347 Fax : (81) 427 59 4251 E-m : matogawa.yasunori@jaxa.jp
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ANNEX 3 - MoM 15.10.2006

58th IAF CONGRESS, DELHI (2007)

07-IAA.E4 41st History of Astronautics Symposium

Description: honouring the 50th anniversary of the space era (Sputnik 1 and the International Geophysical Year, IGY). History of space science, technology & development, rocketry, personal memoirs, as well as rocketry and astronautics in India. The entire spectrum of space history, at least 25 years old, is covered.

Coordinators:

George JAMES Rocket Research Institute Inc, Eastern Operations Office P.O. Box 7122 WASHINGTON, DC 20044-7122 USA Tel : (1) 202 586 9472 Fax : (1) 202 586 8134 E-m : George.James@ee.doe.gov	Christophe ROTHMUND SNECMA Moteurs BP 802 27208 VERNON CEDEX FRANCE Tel : (33) 2 32 21 71 20 Fax : (33) 2 32 21 77 70 E-m : christophe.rothmund@sneema.fr
Tony SPRINGER (Editor of IAA History Proceedings) NASA HQ Code RG WASHINGTON DC 20546 USA Tel : (1) 202 358 0848 Fax : (1) E-m : anthony.m.springer@nasa.gov	

Session E4.1: The International Geophysical Year, Sputnik 1 and the Space Race

Description: session honouring the 50th anniversary of the Space Era. Invited space pioneers involved in the initiation and early conduct of the Soviet/Russian space programme (Sputnik 1), the International Geophysical Year (IGY) 1957-58 and the space race. The political and programmatic implications of the space race and autobiographical memoirs of early pioneers. Proposed papers by scholars researching the beginning of the space era.

Co-Chairs:

Frederick I. ORDWAY US Space & Rocket Center 2401 N. Taylor Street ARLINGTON, VA 22207 USA Tel : (1) 703 524 4487 Fax : (1) 703 524 5856 E-m : ordmars@aol.com	Valery V. GLUSHKOV Institute of the History of Sciences and Technology named after S.I. Vavilov, Russian Academy of Sciences Staropansky Pereulok, 1/5 MOSCOW 109012 Russian Federation Tel: (7) 495 921-80-61 Fax: (7) 495 921-80-61 E-m: postmaster@ihst.ru
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Rapporteurs:

A. Ingemar SKOOG Im Widdum 3 D-88090 IMMENSTAAD GERMANY Tel: (49) 7545 2595 Fax: E-m: ake.ingemar.skoog@t-online.de	Théo PIRARD Space Information Center Route de la Croix-Maga, 58 4860 PEPINSTER BELGIUM Tel : (32) 87 46 11 39 Fax : (32) 87 46 91 13 E-m : theopirard@hotmail.com
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Note: This session must be carefully coordinated with the planned Plenary Event “50th anniversary of the Space Era” (thus planned with the same organising group for Plenary and Session E 4.1).

Session E4.2: memoirs

Description: autobiographical and biographical memoirs of individuals who have made significant original contributions to the development and application of astronautics and rocketry.

Co-Chairs:

Hervé MOULIN IFHE 139, rue de Picpus 75012 PARIS FRANCE Tel: (33) 1 44 74 07 44 Fax: (33) 1 44 74 00 12 E-mail herve.moulin-hmi@wanadoo.fr	Marsha FREEMAN 21 st Century POB 1951 LEESBURG, VA 20172 USA Tel : (1) 703 777 7490 Fax : E-m : kraftt@erols.com
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Rapporteurs :

Philippe COSYN Van Swaestraat 11 1090 BRUSSELS BELGIUM Tel : (32) 2 741 34 02 Fax : E-m : Philippe.Cosyn@vrt.be	Richard DOWLING Space Media 125-108 th Avenue TREASURE ISLAND, FL 33706 USA Tel: (1) 727 515 5972 Fax: (1) 727 363 7517 E-mail: rldowling@aol.com
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Session E4.3: scientific & technical reviews

Description: history of government, industrial, academic & professional societies & organisations long engaged in astronautical endeavours. Historical summaries of rocket & space programs.

Co-Chairs:

Philippe JUNG AAAF 150, route de Pégomas (6A) 06130 GRASSE FRANCE Tel : (33) 8 72 18 61 14 Mob : (33) 6 81 08 46 79 E-m : philippe.jung3@free.fr	Kerrie DOUGHERTY Curator Space Technology Powerhouse Museum PO Box K346 HAYMARKET, NSW AUSTRALIA 2000 Tel : (61) 2 921 70 204 Fax : (61) 2 921 70 355 E-m : kerried@pnm.gov.au
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Rapporteurs:

Emily SPRINGER AIAA 1801 Alexander Bell Drive RESTON, VA 20191 USA Tel : (1) 703 264 7533 Fax : (1) 703 264 7551 E-m : emily@aiaa.org	Steven J. DICK NASA Chief Historian Director, NASA History Division Office of External Relations NASA Headquarters 300 E Street SW WASHINGTON, D.C. 20546-0001 USA Tel: (1) 202 358 0383 Fax: (1) 202 358 2866 E-m: steven.j.dick@nasa.gov
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Session 4: history of Indian contribution to rocketry & astronautics

Description: special session with invited and proposed speakers. This session will cover ancient rocketry and the origins (technical and political) of the modern space programme of India.

Co-Chairs:

Otfrid LIEPACK JPL Mail Stop 264-630 4800 Oak Grove Drive PASADENA, CA 91109-8099 USA Tel : (1) 818 393 7988 Fax : (1) 818 393 5892 E-m : otfrid.liepack@jpl.nasa.gov	TBD (Indian co-chair) Tel: Fax: E-m:
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Rapporteurs:

Roger LAUNIUS Smithsonian Institution-Space History NASM - Room 3560 MRC 311 PO Box 37012 WASHINGTON DC 20013-7102 USA Tel : (1) 202 357 4406 Fax : (1) 202 786 2947 E-m : launiusr@si.edu	Yasunori MATOGAWA JAXA World Trade Center Building 2-4-1 HAMAMATSU-CHO, MINATO-KU TOKYO 105-8060 JAPAN Tel : (81) 427 51 1185/ 427 59 8347 Fax : (81) 427 59 4251 E-m : matogawa.yasunori@jaxa.jp
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Annex 4 - Minutes 15.10.2005

IAA Study Group Status Report

Responsible Commission: VI

Study Number and Title: 6.7; 50th Anniversary of the Space Era in 2007

Short Study Description (repeat from Study Group Proposal):

Coherent overall IAA/IAF history programme and secure the publication of the IAA History Series (Proceedings of the IAA History Symposia)

Intermediate Goals:

- Selection of major (regional/national/thematic) topics for the IAA History Symposia.
- Programme/activities for the 50th Anniversary of the Space Era in 2007.
- Secure annual publication of the IAA History Series volumes (Proceedings of the IAA History Symposia).
- Coordinate IAA and IAF internal history activities and events.
- Initiate separate study tasks.

Progress in past six months:

- Set up of Study Group (was approved at IAA BOT March 2005).
- First status information and preparation for Fukuoka (ref. SG Information Note No 1).
- Preparation of study approach (ref. SG Information Note No 2).
- Distribution of first Working Sheet for the Study Group main task.
- Publication of IAA History Symposium 1997 Proceedings.
- Preparation of programme for 2005 History Symposium in Fukuoka.
- Set up of Programme Ctee for 2006 History Symposium in Valencia.

Website Study Information up to date (Study Group Membership, Study Plan and Schedule):

- Web site has been set up in September 2005 and contains all produced relevant information (Charter, Membership list, Information Notes No 1 and 2, Minutes Vancouver meeting 2004).

Issues requiring resolution (recommend approach):

N/A

Product Deliveries on Schedule (If modified explain rationale):

Delay of 1998 and 1999 IAA History Symposia Proceedings by six months (end 2005-early 2006). All other proceedings on schedule.

Study Task intermediate report planned for March 2006.

Study Team Member Changes

None. Study Group newly set up 2005. Members: see attached list.

Name of person providing Study Group Status (Study Group Chair or Co-Chair):

A. Ingemar Skoog, Study Group 6.7 Co-Chair

Status Report Date: September 14, 2005

Please e-mail the completed reports to Dr. Kasturirangan, krangan@nias.iisc.ernet.in and Dick Kline, rlkline@cox.net. Then post it on your IAA Commission Website **no later than September 28, 2005. Thank you!**

Study Team Membership Changes

Effectivity Date: September 14, 2005 None.

Annex 5 - Minutes 20.10.2005

**Charter for
IAF/IAA/IISL Advisory Committee on History of Cooperation in Space
Activities**

The Advisory Committee on History Activities (ACHA) shall advise the IAF, IAA and IISL on desirable activities in the field of history of international space cooperation's.

The ACHA shall make recommendations on potential 'projects' in the field of history of:

- international space cooperation's, and
- the history of IAF, IAA and IISL.

The proposed projects shall be detailed into precise tasks, means of execution (workshops, seminars, and study groups), and means of publication, scheduling and participants.

It is not the intent of ACHA to create symposia and long term activities which could conflict with ongoing or planned activities of the IAA History Study Group or IISL activities. Regular history sessions are the responsibility of the IAA History Study Group.

The ACHA shall consist of members from IAF, IAA and IISL as appointed by its presidents. External members shall be jointly appointed by the presidents.

The ACHA chair person and vice chair person shall be jointly agreed upon by the presidents.

The ACHA is a permanent committee and its members shall be appointed for a period of 2 years at a time.

The ACHA shall jointly with the IAA History Study Group warrant a single and harmonized appearance of the IAF/IAA/IISL history activities to outside customers and the general public.

The ACHA shall in all its activities coordinate its activities and outputs with the IAA History Study Group.

Any dispute on activities between the ACHA, the IAA History Study group or the IISL shall be jointly settled by the presidents of IAF, IAA and IISL.

October 19, 2005

A. I. Skoog

Co-chair IAA History Study Group

Annex 6

IAA History Group members

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Date: October 20th, 2005

Annex 7 - Minutes 20.10.2005



*IAA Study Group 6.7
50th Anniversary of the Space Era 2007*

Action Item List 2005

No	Title	Responsible	Due Date	Closure
05-01	SG Co-chair to contact Jim Zimmerman, IAF President, for information/coordination of new IAF Advisory Ctee on History Activities	A. I. Skoog	asap	20.10.2005
05-02	Editor for 2006 proceedings	A. I. Skoog	asap	20.10.2005
05-03	Inform IAF of Marsha Freeman as Editor 2006 (add as symposium coordinator)	A. I. Skoog	asap	06.11.2005
05-04	Biographical notes on each author in the History Symposia Proceedings. Check with Coordinator, Editor-in-Chief and Publisher.	A.I. Skoog	asap	01.11.2005 02.11.2005(Launius)