



- Organisation Scientifique et Technique Internationale du Vol à Voile (OSTIV) -
- International Scientific and Technical Gliding Organisation –
Affiliated Member of the Fédération Aéronautique Internationale, FAI
www.ostiv.org
President: R. Radespiel

International Gliding Commission
Meeting on 26 and 27 February 2016
Luxembourg

Braunschweig, January 20, 2016

Report on the activities of OSTIV for the period 27 February, 2015 to 26 February, 2016.
Rolf Radespiel, President of OSTIV

1. Extraordinary OSTIV General Conference held in Lausanne

The Extraordinary OSTIV General Conference took place on 27 February 2015 in Lausanne, Switzerland. The roll call showed that 9 of 12 Active Members were present.

The Status Report of OSTIV given by President Loek Boermans was well received by the Active Members present.

Mr. Tor Johannessen took the lead in the election of the new Board of OSTIV. The 9 Active members elected unanimously the President, Vice-President and Members of the new Board of OSTIV:

President: Prof. Dr. Ing. Rolf Radespiel, Germany

Vice-President: Prof. Dr. Mark Maughmer, USA

Members: Dipl. Ing. John Ashford, Australia; Prof. Dr. Zafer Aslan, Turkey; Dr. Goetz Bramesfeld, Canada; Dipl. Ing. Helmut Fendt, Germany; Dr. Judah Milgram, USA; Dipl. Ing. Ian Oldaker, Canada; Dr. Ing. Lukas Popelka, Czech Republic.

The former President of OSTIV expressed his thanks for the support of all the institutions and volunteers during his presidency:

- FAI and IGC for the good relationship with OSTIV,
- Sailplane Development Panel, in particular the elaboration of the airworthiness requirements,
- Training and Safety Panel to the IGC and FAI Safety Expert Group for providing guidance on the safety of gliding,
- Meteorological Panel for contributions on the phenomena in the atmosphere,
- former Board Members of OSTIV, the Chairmen of the Panels and Sections, the Chief Editor, the Publication Manager, the Webmaster, and all experts of the Panels for their voluntary contributions to the work of OSTIV

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The new President thanked his predecessor for his outstanding efforts and excellent, long lasting contributions to OSTIV.

2. Lilienthal Gliding Medal awarded to Loek M. M. Boermans

Former OSTIV President Loek Boermans was nominated for the Lilienthal Gliding Medal 2015 by the International Gliding Commission during its Annual Meeting in Lausanne, February 2015. Loek received the award during the 109th FAI Annual General Conference on September 24, 2015. The award recognizes the outstanding scientific achievements of Loek Boermans in aerodynamic design of high-performance sailplanes, and his long lasting contributions to OSTIV as a Board Member and President.

3. Introduction of new President and administration of OSTIV

The Extraordinary General Conference in Lausanne elected Rolf Radespiel for OSTIV President. Rolf Radespiel is a Full Professor at the Technische Universität Braunschweig, Germany since the year 2000. Before joining TU Braunschweig, he served as a research scientist and branch head at DLR in Braunschweig, Institute of Aerodynamics and Flow Technology. Rolf is an expert in aerodynamics of aircraft, flow control, flow simulation, and laminar and turbulent boundary layers. He is the organizer of the annual Symposium of Sailplane Development in Germany since the year 2001. He is an active sailplane pilot. Rolf is contacted via president@ostiv.org

The new OSTIV secretariat is located in Braunschweig. The postal address is:

OSTIV c/o TU Braunschweig
Institute of Fluid Mechanics
Hermann Blenk Str. 37
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The secretary is Jennifer Kupke. Jenny is contacted via admin@ostiv.org . The financial administration is contacted via admin@ostiv.org as well.

4. OSTIV Board Decisions on Constitution and Operation of OSTIV

The new OSTIV Board has been working since March 2015 to resolve a number of structural and operational issues of the OSTIV. The Board met three times in 2015 and once in January 2016.

Several problems are rooted in the fact that OSTIV has never been a legal entity. As a consequence, the responsibility for legal and financial matters was always solely placed on the President of OSTIV.

These problems are solved by registration of OSTIV as a non-profit organization. Since administration of OSTIV is performed at the new seat of OSTIV in Braunschweig, Germany, it appeared as the most straightforward solution to register OSTIV as a non-profit association in Germany.

The registration of OSTIV as a non-profit association required a number of changes of the OSTIV Constitution, according to German law. The new OSTIV Board has therefore developed and endorsed the draft of an amended Constitution suited for the future operations of a registered non-profit organization.

The Active Members entitled to vote approved the amended Constitution by a large majority. In the next step German registration authority registered OSTIV as an association. Finally, German tax authority awarded the status as a non-profit organization. OSTIV is now a legally responsible entity.

The OSTIV Board has decided about several further operational changes. Communications with the members of OSTIV will take place via email in future. A similar change was decided for the Journal "Technical Soaring (TS)". The Journal will not be printed any more in the future. Instead, TS is downloaded from

<http://journals.sfu.ca/ts/index.php/ts>

Note that the TS issues of the last 12 months are only accessible by login. This is a privilege of members only. Non-members can download TS from the 13th month after publishing. The Board of OSTIV hopes that all friends of OSTIV accept these changes introduced for reasons of budget, efficiency and manageable processes in OSTIV.

The Board currently works on a number of means to improve the outreach and impact of TS. We will inform our friends on the progress of these in future reports.

5. Panel meetings

The **Sailplane Development Panel (SDP)**, chaired by Helmut Fendt, had its annual meeting **2015** on 5 and 6 October at the gliding Center of Germany, Wasserkuppe near Poppenhausen. Items discussed were:

- future cooperation opportunities between EASA and OSTIV
- technical discussions on gust load factors, MTOM of gliders and motor gliders, winch operations, spiral dive, FLARM, aeroelasticity methodology.
- other subjects: OSTIV Awards in general, OSTIV Safety Award, flight data mining.

The **Training and Safety Panel (TSP)**, chaired by Ian Oldaker, met on 24-30 August in Älleberg, Sweden where the members participated a **Flying Training Seminar**. Items discussed were:

- standard operation procedures
- International accident database
- gliding safety
- training aspects
- OSTIV Awards

The **Meteorological Panel (MP)**, chaired by Prof. Dr. Zafer Aslan, had its meeting from 6 and 7 February 2015 at the ZHAW Zurich University of Applied Sciences, Winterthur, Switzerland, organized by Prof. Dr. Bruno Neininger. Fourteen lectures on a variety of subjects were presented, as Atmospheric Convection, Mountain Waves, a new convection model for global use, mathematical modeling and computer simulation of soaring problems. Discussions were about the vision, mission and structure of the Meteorological Panel, renewing of the OSTIV-WMO Handbook, the Solar Impulse Project, and ultralight glider development for the exploitation of microlift.

6. XXXIII OSTIV Congress

The XXXIII OSTIV Congress will be held at the site of the 34th World Gliding Championships in the Open, 18m and 15m Class in Benalla, Australia. The Congress will take place from 8-13 January 2017. Currently, Congress preparations are ongoing. OSTIV appreciates very much the active support by several members of Gliding Federation of Australia, aimed at making the Congress a full success. The Call for Papers will be published in due time.

7. Obituary John Ashford, OSTIV Board member, OSTIV SDP member

John Ashford, aged 73, passed away on June 20th, 2015. John served the sports of soaring in various positions. At the Gliding Federation of Australia, he was the Chief Technical Officer. He was an active member of OSTIV, by serving the Sailplane Development Panel and the OSTIV Board with great dedication, especially to the improvement of safety in gliding.

Responses to the sad message reflect how much John was appreciated by his friends:

“John's great contribution to many facets of gliding over the years will be long remembered, as will his friendly smile and wonderful sense of humor. He was a highly skilled aeronautical engineer and gave all his experience to our sport of gliding. He will be sorely missed.”

8. Obituary Dr. Manfred Reinhardt, Honorary President of OSTIV

On October 1st, 2015, our Honorary President, Dr. Manfred Reinhardt, aged 88, passed away. Manfred was an excellent scientist in flight physics, holding the positions of a Branch Head and Institute Co-Director of the German Aerospace Center at Oberpfaffenhofen, Germany. He served the sports of soaring and FAI as official observer, meteorologist, Team Captain, and Competition Director. He contributed scientific work and personal engagement to OSTIV, eventually serving as the President from 1978-1998.

Alvaro de Orleans-Borbon writes about Dr. Manfred Reinhardt:

“Manfred always struck me for his admirable lack of boundaries between “big” and “small” science. He was equally happy using a highly instrumented Falcon or a hand-held psychrometer and, far deeper, he impressed me with his unique humanity: I saw him explaining weather concepts to Nepalese children and their attentive wide eyes when they posed him all kinds of questions spoke loudly of him!

I will miss Manfred very, very much.

To me he embodies the kind of man and scientist – eine untrennbare Einheit – that is becoming more and more rare in our current times – thinking of him, ‘a Renaissance person’ comes to my mind.”

Rolf Radespiel