



Report

Organization Scientifique et Internationale du Vol à Voile (OSTIV)
International Scientific and Technical Gliding Organisation
www.ostiv.org

Rolf Radespiel, President

International Gliding Commission
Meeting on 2 and 3 March 2017
Budapest

Braunschweig, February 2016

Report on the activities of OSTIV for the period 27 February, 2016 to 2 March, 2017

1. OSTIV General Conference held in Benalla, Australia

The OSTIV General Conference took place on 10 January 2017 in Benalla, Australia. The roll call showed that 6 of 16 Active Members were present.

The Status Report of operations and finances of OSTIV given by President Rolf Radespiel was well received by the Active Members present.

OSTIV member Alan Patching took the lead in the election of the new Board of OSTIV. The Active members elected unanimously the President, Vice-President and Members of the new Extended Board of OSTIV:

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

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

Members: Prof. Dr. Zafer Aslan, Turkey; Dr. Goetz Bramesfeld, Canada; Dipl. Ing. Michael Greiner, Germany; Dr. Judah Milgram, USA; Dipl. Ing. Ian Oldaker, Canada; Dr. Ing. Lukas Popelka, Czech Republic; Ir. Gerard Robertson, New Zealand.

The conferences decided unanimously to award Ward Hindman with an Honorary Membership and Loek Boermans with the Honorary Presidency in recognition of their long-time work and support of OSTIV.

2. Review of OSTIV Board Operations

The Journal "Technical Soaring (TS)" is now an Online Journal. 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 worked on a number of means to improve the outreach of OSTIV. These are

- all previous OSTIV publications are being digitalized,
- free membership to students,
- new OSTIV logo, see present report header,

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- OSTIV lapel pins have been produced, based on new OSTIV logo.

6. Panel meetings

The **Sailplane Development Panel (SDP)**, chaired by Helmut Fendt, had its annual meeting **2016** on 4 and 5 October in Bern, Switzerland. Items discussed were

- technical support of OSTIV for EASA,
- technical discussions on gust load factors, load spectra measurements, Initiative “ProSailplanePilot”, spiral dive,
- technical support of OSTIV to IGC with respect to defining suited 13,5 m class rules.

The **Meteorological Panel (MP)**, chaired by Prof. Dr. Zafer Aslan, had its meeting on 12 January 2017 in Benalla, Australia. Briefings on a variety of subjects were given

- new developments in weather forecasting models for soaring flights,
- new trends in mountain wave analyses,
- short-term forecasting of soaring parameters, wind speed, wind shear, turbulence,
- high altitude sailplane flights,
- atmospheric boundary layer.

6. XXXIII OSTIV Congress

The XXXIII OSTIV Congress was held at the site of the 34th World Gliding Championships in the Open, 18m and 15m Class in Benalla, Australia. The Congress took place from 8-13 January 2017. The active support by several members of Gliding Federation of Australia, aimed at making the Congress a full success, was outstanding. OSTIV gratefully acknowledges financial support by the sponsors of the Congress. These were Australian Gliding Organisations, Perlan Project, and a number of Corporates.

The Congress saw 43 technical and scientific presentations, organised during 15 sessions.

An evening program took place on Monday, Wednesday, Thursday, to enhance the outreach to WCG teams. The evening presentations comprised

- FES technology development plus the Initiative Prosegelflieger, which looks to advance crashworthiness in gliding to better parallel the advances made in car safety,
- a panel discussion on the future of the Open Class, with the panel comprised of Oliver Binder, Loek Boermans, Tilo Holighaus, Uys Jonker, and Gerhard Waibel,
- a presentation by Morgan Sandercock on the “First year in Argentina with the Perlan 2 glider”.

The Congress Bus Tour to North East Victoria on Wednesday was well received by the delegates. OSTIV produced a Congress booklet, with 2-4 page extended abstracts of all presentations, to be downloaded from OSTIV Website.

7. OSTIV Awards

The OSTIV Prize for 2017 was awarded to Stefan Gehrman, Axel Lange, and Luka Žnidaršič for their pioneering works on electric propulsion in sailplanes. The MacCready Award and the Mertens Award for the best student contributions to the 2017 Congress were given to a joint contribution of N. Akataş and S. Yeşilköy, and to Maike Fröhner, respectively. The joint OSTIV-GFA Prize for the best presentation of the Congress went to Stuart Smith and Murray G. Stimson for their statistical analysis of spin accidents.