



ORGANISATION SCIENTIFIQUE  
ET TECHNIQUE INTERNATIONALE DU VOL 'A VOILE  
- O.S.T.I.V. -  
INTERNATIONAL SCIENTIFIC AND TECHNICAL  
ORGANISATION FOR GLIDING  
(Affiliated Member of the Fédération Aéronautique Internationale,  
F.A.I.)

President: L.M.M. Boermans

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REPORT ON THE ACTIVITIES OF THE INTERNATIONAL SCIENTIFIC  
AND TECHNICAL ORGANISATION FOR SOARING FLIGHT (OSTIV)  
for the period October 2006 to October 2007.  
Loek M.M. Boermans, President of OSTIV.

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### **OSTIV's Journal of Technical Soaring**

On March 30, 2006 our highly respected Honorary Member Lt. Col. **Floyd J. Sweet** passed away at the respectable age of 91 years.

Floyd was one of the founding editors and publishers of our **Journal of Technical Soaring**. The idea came in 1970 at the OSTIV Congress in Alpine, Texas, where Floyd was the chairman of OSTIV's Technical Section. Together with Bernard Paiewonsky, chairman of the Technical Board of the Soaring Society of America (SSA), and strongly supported by SSA Director and chairman of the SSA Publications Board Bernald Smith, they started Technical Soaring with volunteer help for layout, assembly, administration and subscription, and personally provided the start-up money for the typing, printing and mailing. Subscription orders came in quickly, and production went on for several years until the late '70s when the SSA office took over production and distribution.

OSTIV published its congress papers, painstakingly edited by Cedric Vernon, in the Swiss Aero Revue and since 1970 also in Technical Soaring. In 1986 it was decided to continue publication in Technical Soaring only. This process went on in a very satisfactory way for many years, until some years ago, due to financial problems at SSA, publication of Technical Soaring became seriously delayed, and the OSTIV Board and SSA Board finally decided to cease cooperation after Volume 27. After a successful testing period with a new printer the OSTIV Board decided to take the publication process in own hands, starting with Volume 28. With the great help of our Honorary Member Bernald Smith, Board Member prof. Mark Maughmer and the new Chief Editor prof. Edward (Ward) Hindman, a process has been elaborated to catch up the publication scheme as fast as possible.

And now, with the publication of Vol. 31, Number 2, it is really a great pleasure for me to state that we are back on track again! The future of our publication medium, vital for OSTIV, is secured.

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## Awards

At the meeting of the International Gliding Commission (IGC) in March 2007, the nomination of OSTIV's Honorary Member and member of the Sailplane Development Panel **Allan Patching** for the highest international award in gliding, the **FAI Lilienthal Award**, has been approved. Allan, active in gliding for over 60 years, has been involved from the very beginning in glider construction and airworthiness matters, in particular fatigue. Highlights from his research are the early recognition of fatigue in Blanik gliders, the extended fatigue testing of a Janus glider wing which provided an important contribution to the extension of the operational life of GRP gliders worldwide, and the development of fatigue design requirements as part of OSTIV Airworthiness Standards.

At the same meeting of the IGC the nomination of the OSTIV President for the **Pirat Gehriger Diploma** was approved. It was a great surprise for me and I feel very honoured!

## Panel meetings

The annual meetings of the **Sailplane Development Panel (SDP)**, chaired by Dr. Michael Rehmet, and **Training and Safety Panel (TSP)**, chaired by Ian Oldaker, will take place from 1 to 3 November 2007 at Delft University of Technology, the Netherlands. The first two days the panels will meet separately, and a joint meeting is scheduled on the third day.

On request of the IGC, the **Crashworthiness Subcommittee** of the SDP, chaired by Petr Kousal, advised IGC on the adoption of reinforced cockpits as compulsory in IGC sanctioned competitions.

At the Sailplane Development Panel meeting in 2006, attended by officials of EASA, it was decided to cooperate with EASA and take over the task of the former JAR-22 Study-group i.e. keeping the airworthiness requirements for sailplanes and powered sailplanes up-to-date. The first action of cooperation with EASA is the work of the SDP Crashworthiness Subcommittee on a Notice of Proposed Amendment (NPA) to CS-22, dealing with emergency landing loads and crashworthy cockpits, similar to OSTIVAS Airworthiness Standards Section 3.75 and Appendix 3.5. Very recently this first amendment to CS-22 has been sent to EASA.

This cooperation with EASA is strongly supported by the IGC in their resolution endorsed by the delegates at the annual 2007 meeting: "The IGC endorses the work of the OSTIV SDP in developing reinforced glider cockpits to improve safety, and the IGC urges OSTIV to work with EASA to ensure that modern standards for reinforced glider cockpits are incorporated in CS22".

The **Meteorological Panel (MP)**, chaired by Dr. Hermann Trimmel, had its annual autumn meeting – a flying session followed by a scientific session - recently in St. Auban, France, from 24 to 30 September 2007. After some interesting days of flying in good thermals and waves, a small group of experts worked on a new edition of the "Handbook of Meteorological Forecasting for Soaring Flight". The World Meteorological Organization (WMO) will take over the printing costs and publish it as a "Technical Note". If progress continues, this manual will be available in one year and serve as a guideline for meteorological services. On September 29 some interesting papers were presented. Main subjects were: verification of forecasts for competitions using the logger files, presentation of forecasts for competition pilots and the mountain wave project. During the discussions about "meteorological information for glider pilots on internet" it was realized that more attention should be paid to the pilot's knowledge of meteorology and a joint working group with the Training and Safety Panel was suggested.