

CALL FOR PAPERS

XVI OSTIV CONGRESS, CHATEAUROUX, FRANCE,
JULY 20-29, 1978

The XVIth Congress of the International Scientific and Technical Organization for Soaring Flight — Organisation Scientifique et Technique Internationale du Vol a Voile (OSTIV) — will be held at the site of the World Gliding Championships in Chateauroux (France), from July 20 to July 29, 1978 inclusive. The tentative schedule reads:

Thursday July 20	Official Opening of the XVIth OSTIV Congress at 15:00 hrs.
Friday 21,	Technical Sessions in the morning and in the afternoon
Saturday 22 and Sunday 23	
Monday 24	Technical Session in the morning Scientific Session in the afternoon
Tuesday 25	Excursion for participants in the Technical and Scientific Sessions
Wednesday 26	Technical Sessions in the morning
Thursday 27	ing and Scientific Sessions in the afternoon
and Friday 28	
Saturday 29	General Conference of Active Members of OSTIV Closing Dinner.

Joint Sessions may be held on special subjects which import all: technical people, meteorologists and soaring pilots.

The OSTIV Sailplane Development Panel, Chairman Prof. Ing. Piero Morelli, will meet on Tuesday July 18, Wednesday July 19, and in the morning of Thursday July 20.

It is intended to accommodate the participants in one hotel in the town of Chateauroux. This town is situated about 5 km from the gliding site — the Federation Francaise de Vol a Voile (FFVV) will provide free transport for the OSTIV participants in the Congress and in the Sailplane Development Panel meetings to and from the Congress building on the airfield.

Particularities concerning the accommodation of the participants (prices for single and double rooms, name and address of the hotel, the way in which reservations must be made, etc.) will be made known in Aero-Revue and in a circular letter to the members of OSTIV as soon as the FFVV will have posted the OSTIV Secretariat of these details. The distance Paris-Chateauroux (road) is 252 km; there is a direct train-connection between Austerlitz-station in Paris and Chateauroux-

town. Those intending to participate in the OSTIV Congress or/and the Panel meetings, are urgently invited to post the OSTIV Secretariat, Van Halewijnplein 37, Voorburg, The Netherlands, as soon as possible of this intention. Though this information will not commit the prospective participants, it will be very helpful for OSTIV and FFVV to estimate the accommodation needed.

The program of the Technical Sessions will cover sailplane design, construction, instruments and operations. Topics may include, but are not limited to:

1. New structural concepts in sailplane designs;
2. Aerodynamic improvements;
3. Results to flight tests related to performance, flutter, stability, etc.;
4. Airworthiness requirements criteria;
5. Fatigue in sailplane structures, especially fiber glass;
6. New developments in powered sailplanes;
7. Soaring in controlled airspace;
8. Advancements in pilot training.

The program of the Scientific Sessions is concerned primarily with aspects of soaring meteorology. Topics may include, but are not limited to:

1. Structure of thermals and convective fields;
2. Organized convective systems;
3. Studies of cloud-physics and convective precipitation using sailplanes;
4. Airflow over extended mountain ranges;
5. Energy and momentum fluxes in lee waves and in the atmospheric boundary layer;
6. Characteristics of the atmospheric boundary layer;
7. "Thermal Wave" soaring;
8. Forecasting for soaring pilots (techniques and verification);
9. The use of powered sailplanes as inexpensive platforms for atmospheric research;
10. Optimum meteorological soaring techniques.

In addition to the main Technical and Scientific Sessions, Joint Sessions may be held on special subjects covering both fields — technical and scientific or being of wide interest for technicians, scientists as well as for soaring pilots. Topics may include, but are not limited to:

1. Dynamic soaring;
2. General philosophy of competition classes;
3. Hang gliding;

4. Man-powered flight.

In general, the spoken lecture should not occupy more than 30 minutes, including a period for discussion. Wherever possible, written papers should be available in a form suitable for immediate study.

The editor of OSTIV requests that typescripts are in format A4 (210 mm x 297 mm) in double-spacing; any tables should be clearly set out, and should not be unduly complex; diagrams and photographs should be suitable for reproduction without further processing.

Late complete papers must be received by May 31, 1978.

Technical Papers to be sent to:	Floyd J. Sweet, Chairman OSTIV Technical Section, 1910 Massachusetts Avenue McLean, Virginia 22101, USA
Scientific Papers to be sent to:	Dr. Joachim P. Kuettnner, Chairman OSTIV Scientific Section, 345 17th Street, Boulder, Colorado 80302, USA

The following facilities will be available in the Congress building at Chateauroux:

1. A projector for 50 mm x 50 mm (24 mm x 36 mm picture area) slides;
2. An overhead projector (viewgraph);
3. A movie projector for 8 mm film;
4. A movie projector for 16 mm film.

ERRATA

"Flight Test Polar Measurements of Modern Sailplanes," by Richard H. Johnson, *Technical Soaring*. Vol. IV, No. 4.

1. On page 14, the equation for calibrated airspeed should read:

$$V_c = 24.573 \sqrt{H_2O \text{ column height in cm}}$$

2. On page 19, the definition of T_s should read:

T_s = Standard absolute air temperature at midpoint of test altitude interval.

3. On page 19, the equation for the rate of sink curve fit line should read:

$$R/S = AV^3 + B/V + C/V^3$$