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OSTIV NEWS

With the next issue of *Soaring*, it is expected to begin a monthly summary of the information presented in the "OSTIV News" section of the Swiss *Aero Revue*. In this way readers will be made aware of papers and information they may wish to procure or have reference to in the future.

IXth OSTIV CONGRESS

The IXth OSTIV Congress will be held in conjunction with the next World Soaring Championships at the airfield near the town of Junin, Province of Buenos Aires, Argentina, from February 11-21, 1963. The OSTIV Plaque for 1963 will be awarded on the 11th, technical sessions will take place from the 12th-15th, meteorological sessions from the 17th-20th and on the 21st there will be a General Conference of the Active Members of the OSTIV. The OSTIV Trophy for 1963 will be awarded on the 25th.

Papers to be Read

Those who intend to read a paper during the next OSTIV Congress must announce this to the chairman of the Technical Section or to the chairman of the Scientific/Meteorological Section of OSTIV and supply this officer with the title and a summary of the lecture *before 1 October 1962*.

To insure an orderly processing of papers and arrangement of the sessions, it is required that completed papers be submitted not later than 1 December 1962 to the above chairmen.

Papers will be subject to review and acceptance by the officers of the appropriate Sections.

Charts and illustrations should be prepared such that they are legible when made into standard 50 mm slides.

OSTIV will have a slide projector available for the use of lecturers. Use of an episcopes is considered unsatisfactory and it is not likely such will be available.

Subjects for the Technical Sessions

1. *Instruments and equipment.* Im-

provement in flight instruments and new techniques for their use by soaring pilots; instrument display and cockpit arrangement for optimum use by the pilot; instruments and techniques for recording turning points on triangular or broken line flights; radio equipment for handling, transporting and launching sailplanes.

2. *Airworthiness, Design & Structures.* Designing sailplane structures of wood, metal and plastics including bonded structures; cockpit design for pilot protection and comfort; designing for gust conditions; problems in the design of movable control surfaces; determination of airworthiness by static, dynamic and flight tests; parameters for optimum sailplane design.

3. *Aerodynamics.* Improvements in low drag airfoils; control surface drag and effect on turning performance of sailplanes; drag reduction techniques in sailplane design; high lift devices.

4. *Operations, including training and maintenance.* Safety aspects of teaching gliding and soaring; procedures for operating sailplanes and powered aircraft from the same aerodrome; acceptable inspection and maintenance procedures for sailplanes of wood, metal, or bonded materials; sailplane operations in areas having air traffic controls; operating, training, and maintenance problems of sailplanes.

Subjects for the Meteorological Sessions

1. *General Review.* The importance of soaring flight with regard to air transportation; aerophysical problems correlated with the meteorology of soaring; instruments.

2. *Synoptic meteorology and soaring.* Methods of forecast for soaring; how to give a meteorological briefing to soaring pilots; evaluation of the forecast accuracy for soaring; frontal updrafts.

3. *Mechanism of thermal convection.* Structure; measures and observations; theoretical considerations; application (forecasting, flight technique).

4. *Jet stream and waves.* Structure; measures and observations, theoretical considerations; application (soaring technique, importance for flights with jet aircraft).

5. *Turbulence.* Dynamical, thermal, synoptical conditions.

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