

PAPERS PRESENTED AT 13TH OSTIV CONGRESS

Vrsac, Yugoslavia

July 1972

TECHNICAL PAPERS *

STRUCTURES

"Flutter Investigations in Flight with the SB-9"
(Film) with Introduction by Dipl.-Ing. H.
Zacher, DFVLR, Munich, Germany.

"Torsion Measurements in Flight with the
SB-8" -- Dipl.-Ing. Gerhard Stich, DFVLR,
Braunschweig, Germany.

"Flight Test Realized Load Factors," M. Sc.
Wieslaw Stafiej, Experimental Glider Estab-
lishment, Bielsko-Biala, Poland.

INSTRUMENTATION

"Electronic Solutions to Total Energy Com-
pensation," Prof. Dipl.-Phys. Ingo Westerboer,
Fachschule, Regensburg, Germany.

"Incidence and Flight Path Measuring Device,"
M.Sc. Zdzislaw Bylok, Experimental Glider
Establishment, Bielsko-Biala, Poland.

"Variometer Total Energy Compensation,"
Jean-Marie Clement, Aeroclub, Torino,
Italy.

FLIGHT TECHNIQUES

"Dynamic Analysis of 'Dolphin Style' Thermal
Cross-Country Flight," Dr. Jozsef Gedeon,
Technical University, Budapest, Hungary.

DESIGN & CONSTRUCTION

"Sigma," Rear Admiral H. C. Nicholas
Goodhart, Royal Navy, England.

"Sailplane with Tandem Wing Arrangement,"
Dipl.-Ing. B. J. Cijan, Zemun, Yugoslavia.

"Thoughts on Sailplane Design from Nature,"
Francisco L. Galvao, Sao Jose dos Campos,
Brazil.

"Improvement of Self-Connecting Joints on
Sailplane Controls," Dr. Klaus W. Nielson,
University of Nevada, Reno, Nevada, U.S.A.

PERFORMANCE

"Calculations of Polars, depending on Rey-
nolds numbers, of Sailplanes with any Bi-
trapezoidal Wings," Cand.-Ing. Wilhelm
Dirks, Akaflieg Darmstadt, Germany.

"Comparison of Fowler and Telescoping
Variable Area Wings," Prof. Dr.-Ing. F.
Thomas, DFVLR, Braunschweig, Germany.

"Comparison Flight Measurements with 19
Sailplanes and 3 Powered Sailplanes,"
Dipl.-Ing. H. Laurson, DFVLR, Munich,
Germany.

"Hysteresis Effects on Glider Performance,"
Dr. G. R. Whitfield, University of Reading,
England.

"Test Results for the Falke, with and with-
out Propellor," Dr. G. R. Whitfield, Uni-
versity of Reading, England.

"A Computer Method for Measuring Per-
formance Variations of Sailplanes," Dipl.-
Ing. Imre Bano, Technical University,
Budapest, Hungary.

*Meteorological papers listed in next issue. 43

AERODYNAMICS

"Flow Investigations on Fuselages of Modern Sailplanes," Cand.-Ing. Eberhard Schott, Idaflieg, Akaflieg Stuttgart, Germany.

"Longitudinal Stability of a Glider in Rigid Tow," Doc. Dr.-Ing. Jerzy Maryniak and Dipl.-Ing. Zbigniew Paturski, Warsaw Institute of Technology, Poland.

"Dynamic Characteristics of a Sailplane with All-moving Tail," D. Sc. Justyn Sandauer, Aeronautical Institute, Warsaw, Poland.

"Stretched-Membrane Wing," D. Sc. Jerzy Wolf, Aeronautical Institute, Warsaw, Poland.

"Asymmetrical Airfoils Optimized for Small Flap Deflection," Prof. Doc. F. X. Wortmann, Stuttgart University, Germany.

AIRWORTHINESS

"Gust Loads on Gliders Taking into Account their Flexibility," Ph.D. Ludomir Laudanski, Technical University of Warsaw, Poland.