

TECHNICAL SOARING

Published Quarterly by
The Soaring Society of America, Inc.
3200 Airport Ave., #25
Santa Monica, CA 90405

John McMasters, Editor

Marion I. Barritt, Production Editor

Sylvia S. Sheridan, Typing

It is the goal of this journal to advance the science and technology of soaring flight through the publication of original papers, review articles, and tutorial papers. TECHNICAL SOARING publishes qualified papers on sailplane design and analysis, materials and structures, aerodynamics, instrumentation, flight testing, performance, stability and control, meteorology, communications, production and fabrication techniques, human factors, flight testing, and other subjects of scientific and engineering interest to soaring.

Submitted papers will be subjected to a technical review before being accepted for publication.

Manuscripts should be sent complete with illustrations and cover letter to:

John H. McMasters
Rt. 2, Box 248
Burton, Washington 98013
U.S.A.

TECHNICAL SOARING is published quarterly by the Soaring Society of America, Inc., Box 66071, Los Angeles, California 90066. Application to mail at second class rates pending at Santa Monica, California. Subscription price for one year (four issues) is \$12.00 in the U.S.A., Canada, and Mexico; for other foreign countries - \$14.00 per year. First class or Airmail service can be arranged for an extra fee. Subscribers should send change-of-address notices to the above Los Angeles box number, being sure to mention TECHNICAL SOARING.

Papers presented at OSTIV Congresses appear in TECHNICAL SOARING by agreement with OSTIV.

In the interest of free dissemination of these articles, consent is hereby given to their reproduction by soaring organizations, universities, government institutions, and other non-profit institutions provided that no charge is made for these reproduced articles and that appropriate heading credit is given to the SSA, TECHNICAL SOARING, or OSTIV, as the source of the article.

cover design by Jack Olson