

## T E C H N I C A L   S O A R I N G

Published Quarterly by the Technical Board of the  
Soaring Society of America, Inc.

*Bernard Paiewonsky, Editor*  
*Floyd Sweet, Treasurer*

*Frances Sweet, Technical Typist*  
*Mike Vore, Cover Design*

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 analyses, 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 covering letter to:

*Dr. Bernard Paiewonsky*  
*9309 Burning Tree Road*  
*Bethesda, Maryland 20034*  
*U.S.A.*

See information for authors on inside back cover.

Technical Soaring is published quarterly by the Technical Board of the Soaring Society of America, Inc. Subscription price for one year (four issues) is \$6.00 in the U.S.A., Canada, and Mexico. For other foreign countries \$7.00 per year. First class or Airmail can be arranged at extra cost.

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.