

Technical Soaring

The Technical Journal of The Soaring Society of America, Inc.



MANAGING EDITOR

Rob Sjostedt

PRODUCTION EDITOR

Jim Algar

TECHNICAL PANEL

CHAIRMAN, SSA TECHNICAL BOARD

Oran W. Nicks
*Aerospace Engineering Division
Texas A&M University
College Station, TX*

CHAIRMAN, TECHNICAL SOARING PANEL

John McMasters
*Senior Specialist Engineer
Aerodynamic Staff
Boeing Commercial Airplane Company
Seattle, WA*

AERODYNAMICS

Winfried M. Feifel
*Principal Engineer
Boeing Aerospace Company
Kent, WA*

METEOROLOGY

Charles V. Lindsay
Retired, National Weather Service

STRUCTURES AND MATERIALS

Perry Hansen
*Loads and Aeroelasticity Division
NASA-Langley*

INSTRUMENTATION AND EQUIPMENT

Peter Newgard
*President
Redwood Instrument Company
Redwood City, CA*

Editorial Offices:

P.O. Box 66071
Los Angeles, CA 90066
(213) 390-4447

© 1985 The Soaring Society of America
All Rights Reserved

Total Energy Errors Due To Air-Data Sampling

By PETER NEWGARD page 34

The Possibilities Of Sailplanes Designed To Use Laminar Flow Control

By A.M.O. SMITH page 39

The objective of *Technical Soaring* is to document recent advances in the science and technology of motorless aviation.

Technical Soaring is published quarterly by the Soaring Society of America, Inc., Box 66071, Los Angeles, CA 90066. Subscription price for SSA members is \$12.00 (four issues per year) in the U.S.A., Canada, and Mexico; for other foreign countries—\$14.00 per year. Subscription for non-members of the SSA is \$20.00 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*.

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: Rob Sjostedt, 623 W. 23rd St., San Pedro, CA 90731