



# Soaring

The Journal of The Soaring Society of America, Inc.  
SSA is a Division of the National Aeronautic Assn.

## Wave Flights

Information received by SSA indicates that the following noteworthy wave soaring flights have been made in the recent past (altitudes asl):

Feb. 26; Richard V. Hawker; Colorado Springs, Colo.; 1-23H; airport, 7100 ft.; low 13,662; high, 27,639 ft.; gain 13,977 ft.; 2:30 hr.; to claim Gold alt.

March 10; George Arents, Jr.; Tehachapi, Calif.; 2-25; airport, 4000 ft.; release, 8500 ft.; high, 26,000 ft.; gain 17,500 ft.; 2:25 hr.; to earn Dia. alt.

March 10 Howard E. Burr; Tehachapi; 1-24; release, 9,600 ft.; high, 28,536 ft.; gain 18,936 ft.; 1:50 hr.; 300 to 600 fpm lift; to claim Dia. alt.

March 11: E. F. Jury; Tehachapi; 1-26; low 8,300 ft.; high 19,550 ft.; gain, 11,150 ft.; 1:55 hr.; to claim Gold alt.

March 12; E. F. Jury; Tehachapi; 1-26; low 8,500 ft.; high 26,600 ft.; gain, 18,100 ft.; 2:46 hr.; to claim Dia. alt.

March 12; Manfred Sczesny; Tehachapi; 1-26; release 9300 ft.; high, 24,800 ft.; gain, 15,500 ft.; 5:17 hr.; to claim Gold alt.

March 22; Fred Robinson; Tehachapi; release, 8500 ft.; low, 7465 ft.; near Owens dry lake; high, 25,425 ft.; gain, 17,963 ft.; distance, 175 mi.; 4:20 hr.; used six waves; to claim Dia. alt.

## Calif. Jr. Goal Record

John W. Williams, SSA State Governor for Southern California, has announced that a new California state soaring goal record has been established in the Junior, single-place class. The flight was made by Bill Brinkmann on June 23, 1962, in a Schweizer 1-23G sailplane. He soared the 197.5 miles from El Mirage Field, Calif., to Yucca, Arizona, to establish the record and earn his Diamond goal award, also.

VOL. 27

APRIL, 1963

NO.4

Lloyd M. Licher - Editor

## CONTENTS

The Green-Tweed GT-2 sailplane (photo and specifications)	2
Australian Nationals	5
Missouri Diamond	6
1963 Torrey Pines Meet	8
Silver Distance	9
The Polish SZD-24C "Foka" sailplane (photo and specifications)	9
The Internationals—A Canadian View by Marguerite Chesbrough	10
9th OSTIV Congress	11
OSTIV Publication VI: Contents	13
Mitchell Nimbus III sailplane (photo)	13
A Statistical Study of SE Washington Soaring Weather by James E. Hard	14
The Italian E/C 39 Uribel sailplane (photo)	23

## SOARING FEATURES

How-To-Do-It: The Delta Airspeed Anticipator by Stephen du Pont	17
Club News	18
Canadian News	20
Calendar of Soaring Events	23
F.A.I. Soaring Badges Earned	24

Cover photo: The South African BJ-2 Assegai, designed and built by Pat J. Beatty and W. A. T. Juhl. Of all-wood construction, it features Fowler flaps to increase area for thermalling, a retractable skid/wheel unit and two parachutes for braking, each of which can be deployed and jettisoned individually. Basic specifications are as follows: span, 50 ft.; wing area, 127 sq. ft.; aspect ratio, 19.7; airfoil, 65(3)-418; empty wt., 660 lb.; gross wt., 880 lb.; wing loading, 6.9 lb./sq. ft.; stall speed (flap deflection), 41 (0 deg.), 38 (10 deg.), 35.4 (20 deg.) and 33 (30 deg.) mph; min. sink, 2.3 ft./sec. at 51 mph; and max glide ratio, 36 to 1.

\$5 will be paid for any picture submitted if used for the cover.

Material published in Soaring magazine is contributed by individuals for the reading pleasure of other soaring enthusiasts. Anyone is invited to contribute and make reports on soaring in his area. Such material will be acknowledged when possible but no guarantee can be made that it will be used. A self-addressed, stamped envelope should be enclosed if the material is to be returned.

Soaring magazine is the publication of The Soaring Society of America, Inc., editorial office and address of the Society: P.O. Box 66071, Los Angeles 66, Calif. (12536 Woodbine Street). Telephone EXmont 8-9894. Soaring is published monthly. Second-class postage paid at Los Angeles, California. Subscriptions to individuals in the United States by membership only. Membership in The Soaring Society of America, Inc., is open to anyone interested in the art, the science or the sport of motorless flight. Annual dues: Member, \$10; Family Member (Member status for any person in same family and household of a voting member), \$5; Associate, \$5; Student Member (enrolled full time in school), \$3; Sponsoring Member, \$50; and Industrial Member, \$50. Life Member fee: \$200 (may be four \$50 quarterly payments). Subscription price, \$5 (in the U.S., available only to libraries and institutions). Soaring magazine is printed by the Weaver Publishing Co., 1414 Second Street, Santa Monica, California.

Circulation of the March, 1963, issue was 4424.