



Photo: Terry White

Adastra seems anxious to fly despite not having all her wing feathers.

Span.....	58 feet
Length.....	25 feet
Height.....	6 feet
Empty weight.....	600 lbs
Gross weight: Solo....	790 lbs
Dual.....	980 lbs
Aspect ratio.....	21.3
Taper ratio.....	3.3
Wing area.....	164 sq. ft.
Dihedral.....	+2.5 degrees
Geometric twist.....	-3.0 degrees
Wing loadings: Solo..	4.8 lbs/sq. ft.
Dual.....	6.0 lbs/sq. ft.
Gross weight: Solo ....	790 lbs/sq. ft.
Airfoil sections: Root.....	Eppler 503
	(16%) tapering to Eppler 146
	(14.8%) at 4.5 feet outboard of
	fuselage centerline; straight taper
	to tip section, modified Ep-
	pler 146 (14.5%).
Vertical tail .....	NACA 65-018
Horizontal tail .....	NACA 65-015

#### ESTIMATED PERFORMANCE

(Figures given are based upon calculated ultimate performance after clean-up to  $\pm .004$  waviness.)

Maximum L/D: Solo....	44 @ 53
mph.	
Dual.....	44.5 @ 60 mph
Minimum sink: Solo....	1.65 ft/sec
@ 50 mph.	
Dual .....	1.80 ft/sec @ 57 mph

#### CALL FOR VOLUNTEERS 1960 U. S. National Soaring Championships

The SSA will require volunteers for scoring, turn point identification and related competition duties at the 1960 Nationals in Odessa. If you plan to be on hand for the competition and can help, please write to W. S. Ivans, Jr., Chairman, SSA Contest Board, 2905 Bayside Lane, San Diego 8, California. A brief statement of experience, task preferences and availability will be helpful.

### AUSTRALIAN GLIDING

A Monthly Magazine Devoted to Soaring  
in Australia

Editor: Allan Ash

The official journal of the  
Gliding Federation of Australia  
Annual Subscription \$3.50

order from

**AUSTRALIAN GLIDING**

34 Oxford St.  
Kingswood, N.S.W.  
Australia

#### MATERIAL AVAILABLE

The SSA has a variety of items available on a free distribution basis, unless otherwise specified. Request by item number or name from SSA, Box 66071, Los Angeles 66, Calif.

Item 3. FAI soaring awards application blanks.

Item 4. SSA membership application blanks. These are in the form of business reply envelopes, making it easy for new applicants to mail in their dues.

Item 6. SOARING . . . The S.S.A. . . and YOU pamphlets, telling about the sport of soaring, glider pilot certificates, how soaring is organized, what the SSA is and what it does, and how to get started in soaring. Ideal for answering the questions of prospective soaring enthusiasts.

Item 7. Region lists of soaring clubs and SSA Governors, by SSA region number, as excerpted from the SSA Directory. The list for each region lists all soaring clubs in that region, their addresses, meeting times and places, flying sites and contact persons and the SSA Governors' names and addresses for each state in the region. Add the region number in parentheses after Item 7 when ordering or just the state desired.

Item 8. List giving Availability of Plans, Kits, Partially Completed and Ready-to-fly Gliders and Sailplanes. At present, the list includes only U. S. designs for which details have been obtained, including a brief description, price, manufacturer's name and address. New equipment only.

Item 9. List of Glider Schools and Commercial Glider Operators in the U.S., giving location, equipment, services and prices, where known.

Item 10. List of Books on Soaring, where they may be obtained, prices and a brief description of each.

Item 24. Incorporation Procedures—California. Intended to show non-profit soaring clubs the way to incorporate, with specific details for the state of California.

Item 28. Used Sailplanes For Sale List. Over 40 ships listed by type, N number, price and owner's name and address, as compiled from 1958 SSA census report forms. ads and owner's notices. Revised frequently.

Item 30. Film Library List, with rules governing use of the films. Request from Walter B. Hausler, 67 Fisher Rd., Rochester 11, N.Y.