

INTERNATIONAL F.A.I. BADGES FOR SOARING

Approved in Canada during the
Month of October 1966

GOLD BADGES

45. Peter C. Trounce; K-8; Warren, Vt.
46. Adoff Kohlfuerst; SF-26; Pincher Creek, Alberta
47. Kerry Bissell; Viking 104; Pincher Creek, Alberta

SILVER BADGES

191. Jacqueline Courval; Skylark 2; Hawkesbury, Ontario
193. Horst H. Dahlen; HP-11A; Saskatoon, Sask.

C BADGES

706. Michael Barnett; 1-26
707. Gregory B. Galler; Blanik
708. Merton A. Musselman; K-7
709. Peter G. Lazenby; 1-26
710. Leopold Schober; 1-19
711. Jacqueline Courval; Skylark 2
712. Karl Raufesen; 1-26

GOAL DIAMOND

- Horst H. Dahlen; HP-11A; Saskatoon, Sask.

ALTITUDE DIAMONDS

- Kerry Bissell; Viking 104; Pincher Creek, Alberta

Wilbur Eley; 1-26; Pincher Creek, Alberta
Adolf Kohlfuerst; SF-26; Pincher Creek, Alberta

SILVER BADGE LEGS

Michael Barnett; Dur; 1-26; Hope, B.C.
Willi Pioch; Dur./Alt.; LK-10; Goodwood, Ontario
Ivan Nadas; Dur./Alt.; Blanik; Rockton, Ontario

SSA DIRECTORS TO MEET

The SSA Directors will hold their next semiannual Board meeting on the weekend of January 28-29, 1967, in La Jolla, Calif. In order to be represented properly, members with opinions on various subjects of concern to them should make them known to their Regional Directors for possible inclusion in the agenda for the meeting. The agenda will be prepared and mailed to all Directors early in January after which they could discuss the subjects it covers with their constituents before leaving for the meeting.

SAVE — SOARING AIDS VARIOMETERS AND EQUIPMENT . . . SAVE — SOARING AIDS VARIO

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713 WAGGONER
ARLINGTON, TEX. 76010

ING AIDS VARIOMETERS AND EQUIPMENT . . . SAVE — SOAR

Long Soaring Flights

Information received by SSA indicates that the following soaring flights of over 150 miles have been made recently.

FLIGHTS IN EXCESS OF 350 MILES

July 2; Gleb Derujinsky, Jr.; 369 mi.; from Reno, Nev., to Burley, Idaho; Sisu 1A; Nationals contest flight; to earn Dia. dist.

FLIGHTS BETWEEN 150-250 MILES

May 30; Roy McMaster; 170 mi.; 4 laps around triangle out of Salem, N.H.; 1-23H-15; 6:08 hr.; contest flight.

June 5; Duane Eisenbeiss; 175 mi.; from Monroe, Ga., to Donaldson AFB, S.C., and part return; Skylark 4; 6:15 hr.; try for Dia. goal.

July 5; Lloyd Hunter; 181 mi.; from Regina, Sask. to Pierson, Man.; 1-23G; Canadian Nationals flight.

July 12, 1965; Roy McMaster; 169 mi.; from Salem, N.H., to Stockton Springs, Me.; 1-26; 7:00 hr.; to establish N.H. state Open and Sr. singleplace dist. record (try for Dia. goal).

July 23; Ray McAlpine; 153 mi.; from El Mirage, Calif., to Jean, Nev.; BG-12C; 4:05 hr.; try for Dia. dist.

Aug. 20; Harry Bochow; 150 mi.; from El Mirage, Calif., to Jean, Nev.; BG-12BR; try for Gold dist.

Sept. 5; F. W. Elliot; 194 mi.; from Bryan to Salem, Ohio; K-8B; 4:45 hr.; to earn Dia. goal and Gold dist.

Sept. 15; Edward Frappier; 204 mi.; from Bryan, Ohio, to Terre Haute, Ind.; K-7; 4:30 hr.; to earn Dia. goal and Gold dist.

Sept. 17; Stephen Kara; 196 mi.; from Pearlblossom to near 29 Palms, Calif., and return, almost; L-Spatz-55; 6:01 hr.; to earn Gold dist. and complete Gold badge.

Sept. 21; Thomas Nord; 194 mi.; from Pembina to Wahpeton, N.D.; Bergfalke III; 5:10 hr.; to earn Dia. goal and Gold dist.

Sept. 24; Joseph Colton; 187 mi.; from El Mirage, Calif.; to near Nellis AFB, Nev.; 1-26; 4:38 hr.; to earn Gold dist. and complete Gold badge.

Sept. 24; Richard Fellner; 195 mi.; from El Mirage to Daggett via Cadiz, Calif.; Zugvogel 3A; 5:38 hr.; to earn Dia. goal.

Sept. 24; James Burk; 188 mi.; from El Mirage, Calif., to NE of Las Vegas, Nev.; 1-26; 5:00 hr.; to earn Gold dist.

Oct. 1; Allen Ormsbee; 189 mi.; triangle from Urbana, Ill.; Libelle; 5:10 hr.; to earn Dia. goal and Gold dist. and complete Gold badge.

BUILDING METAL SAILPLANES

See pages 26 and 27

TABLE A—Aluminum & Steel, Minimum Mechanical Properties
(in thousands of pounds)

SHEET AND PLATE

Alloy and Temper	Thickness	Tension		Compression		Shear		Bearing	
		US	YS	YS	YS	US	YS	US	YS
2024-T4	.012-.064	62	40	40	37	23	118	64	
	.250-.500	64	40	38	40	25	124	74	
	.501-1.000	62	40	38	38	23	120	70	
	.010-.062	59	39	37	38	23	114	73	
Alclad 2024-T3	.063-.249	62	40	38	40	23	120	74	
Alclad 2024-T36	.020-.062	62	48	46	40	28	120	88	
	.063-.500	66	50	48	42	29	127	93	
	.012-.062	58	37	37	35	21	110	59	
	.063-.081	61	38	38	37	22	116	61	
Alclad 2024-T4	.250-.499	62	40	38	40	23	120	74	
	.500-1.000	60	38	36	37	22	116	67	
	1.001-2.000	58	38	36	35	22	112	64	
	.010-3.000	30	16	16	20	9	63	26	
6061-T4	.010-3.000	42	35	35	27	20	88	56	
6061-T6	.015-.039	76	65	67	46	37	144	106	
7075-T6	.040-.249	77	66	68	46	38	146	107	
	.250-.500	77	66	69	46	38	146	107	
	.501-2.000	77	69	69	46	38	139	99	
	.015-.039	70	60	62	42	35	133	96	
Alclad 7075-T6	.040-.499	72	62	64	43	36	137	99	
	.500-2.000	72	61	64	44	35	130	91	
1025 STEEL	all	55	36	36	35		90		
x4130 STEEL Norm.	all	90	70	70	55		140		
x4130 STEEL Heat Treat.	all	125	100	100	75		175		
		150	130	130	90		190		
		180	165	165	105		200		
		200	165	165	115		200		

Strength properties based on ANC-5 and Alcoa Handbook, 1956

TABLE A—Aluminum Extrusions, Mechanical Properties
(in thousands of pounds)

Alloy and Temper	Thickness	Tension		Compression		Shear		Bearing	
		US	YS	YS	YS	US	YS	US	YS
2024-T4	.050-.249	57	42	38	30	24	108	67	
	.250-.749	60	44	39	32	25	108	69	
	.750-1.499	65	46	44	34	27	108	71	
6001-T4	all	26	16	14	16	9	54	25	
6061-T6	all	38	35	35	24	20	80	56	
7075	up to .249	78	70	70	43	40	125	98	
	.250-2.999	80	72	72	44	42	128	101	