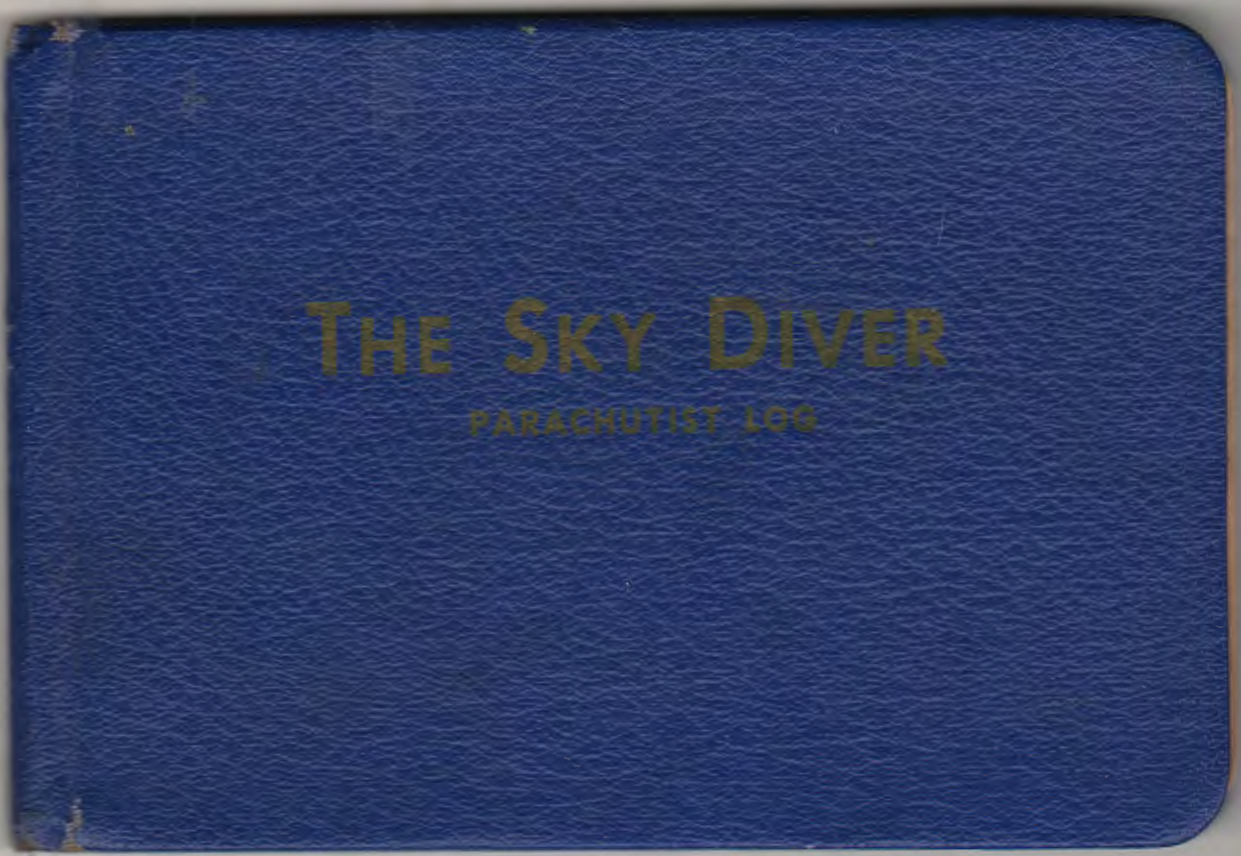
THE SKY DIVER
PARACHUTIST LOG

THE SKY DIVER*

PARACHUTIST LOG

PARACHUTES INCORPORATED
Orange, Massachusetts
617-544-2781

Orange Sport Parachuting Center
Orange, Massachusetts
617-544-6565

Lakewood Sport Parachuting Center
Lakewood, New Jersey
201-363-4900

Log Book No. ..... Period 11/28/64 to .....

Name Ellis Ballard (Ted) Boal

Address 701 Sheridan Road City Winnetka

State Illinois Phone No. 312-446-0825

LICENSE INFORMATION

Class A License Number .....Issued.....19.....

Class B License Number .....Issued.....19.....

Class C License Number .....Issued.....19.....

Class D License Number .....Issued.....19.....

Instructor Rating Number .....Issued.....19.....

Date of Birth 27 (DAY) 9 (MONTH) 44 (YEAR) Height 5 Ft. 10 In.

Weight 150 Color Hair Brown Color Eyes Green

HOW TO CALCULATE JUMP ALTITUDE FOR DELAYED JUMPS

1. Select seconds of delay.
2. Find distance fallen in free fall in this time from table on opposite page.
3. Add 2,200 feet for opening altitude. (Students 2,500 feet).
4. Add field elevation above sea level.
5. The total is your jump altitude ABOVE SEA LEVEL.
6. Remember to check that the aircraft altimeter is set for field elevation on take off.
7. SUGGESTED SAFETY RULE: Add 100 feet to jump altitude for each 1,000 feet of field elevation. Remember, your terminal velocity is greater at high altitudes.

EXAMPLE (1)

Thirty second delay from field with elevation of 300 feet.

Distance fallen in 30 seconds	4615 feet
Add 2200 feet for opening altitude	2200 feet
Add field elevation	300 feet
JUMP ALTITUDE	7115 feet

EXAMPLE (2)

Twenty second delay from field with elevation of 3200 feet.

Distance fallen in 20 seconds	2875 feet
Add 2200 feet for opening altitude	2200 feet
Add field elevation	3200 feet
Safety margin — 3x100 feet	300 feet
JUMP ALTITUDE	8575 feet

RECOMMENDED JUMP ALTITUDES

This table is based upon SEA LEVEL figures. Add 100 feet to jump altitude for each 1000 feet of field elevation.

Static Line	2800′	15 seconds	4500′	40 seconds	9000′	70 seconds	14,500′
Free Fall	3000′	20 seconds	5500′	45 seconds	9700′	80 seconds	16,500′
5 Seconds	3000′	25 seconds	6200′	50 seconds	10600′	90 seconds	19,000′
10 Seconds	3600′	30 seconds	7200′	60 seconds	12500′	100 seconds	22,000′

This table is computed for free fall in the stable face to earth spread position, for an opening altitude of 2500 feet above sea level and for average summer tempatures and pressure conditions.

DISTANCE FALLEN IN FREE FALL STABLE SPREAD POSITION

THIS TABLE IS COMPUTED FOR FREE FALL IN THE STABLE SPREAD (FACE TO EARTH) POSITION, FOR AN OPENING ALTITUDE OF 2500 FEET ABOVE SEA LEVEL AND FOR AVERAGE SUMMER TEMPERATURES AND PRESSURE CONDITIONS.

CAUTION: The rate of descent increases with (1) other body position, (2) higher temperatures, (3) lower pressure (e.g. higher field elevation). Use this table with extreme caution at field elevations over 1000 feet, especially during long delays. Always add 100 feet extra for each 1000 feet of field elevation.

Distance Fallen Each Second To Terminal Velocity

Total Distance Fallen in Free Fall Stable Spread Position
Distance Measured in Feet

Seconds	Distance	Seconds	Distance	Seconds	Distance	Seconds	Distance	Seconds	Distance	Seconds	Distance
1	16	1	16	13	1657	25	3745	37	5833	49	7921
2	46	2	62	14	1831	26	3919	38	6007	50	8095
3	76	3	138	15	2005	27	4093	39	6181	51	8269
4	104	4	242	16	2179	28	4267	40	6355	52	8443
5	124	5	366	17	2353	29	4441	41	6529	53	8617
6	138	6	504	18	2527	30	4615	42	6703	54	8791
7	148	7	652	19	2701	31	4789	43	6877	55	8965
8	156	8	808	20	2875	32	4963	44	7051	56	9139
9	163	9	971	21	3049	33	5137	45	7225	57	9313
10	167	10	1138	22	3223	34	5311	46	7399	58	9487
11	171	11	1309	23	3397	35	5485	47	7573	59	9661
12	174	12	1483	24	3571	36	5659	48	7747	60	9835

RECOMMENDED PROCEDURES FOR SPORT PARACHUTING

BEFORE JUMP

1. PLAN JUMP. Write down or state clearly intended actions during jump before boarding aircraft.
2. PREPARE AIRCRAFT FOR PARACHUTING. (a) Remove door, (b) Tape sharp objects near door and (c) Remove extra control stick or wheel if necessary, (d) Secure all loose objects, (e) Be sure wind dicator and knife are aboard, (f) Set aircraft altimeter at field elevation.
3. BRIEF PILOT. (a) Calculate jump altitudes in accordance with Parachute Club of America procedu write down wind drift indicator altitude and jump altitude for pilot, (b) Establish course for wi indicator drop and establish signal system for giving directions aloft, (c) Check altimeter again, (d) altitude safety margin for long delays.
4. CHECK ALL EQUIPMENT. (a) Check ripcord pins, (b) Check static line tie down.
5. REVIEW EMERGENCY PROCEDURES.
6. BRIEF GROUND CREW ON OPERATION.

DURING JUMP

1. Wear helmet during takeoff.
2. Be sure the plane is straight and level at time of wind drift indicator drop. Time the fall wind drift indicotar.
3. Check your altimeter against aircraft altimeter during flight.
4. Protect your reserve ripcord handle at all times during movement within the aircraft.
5. Keep student static lines high. Do not allow static lines to slip under the bottom of the backpack.

AFTER PARACHUTE INFLATION

1. Check your canopy immediately for proper inflation.
2. Disconnect the reserve automatic opener, if used.
3. Check your direction of drift and constantly estimote your probable landing point.
4. Maneuver to target or to avoid obstacles.
5. When accompanied, low jumper has right of way.
6. Above 100′, face into the wind for landing. (6 seconds remaining)
7. Above 50′, prepare to land. (3 seconds remaining)
8. On contact, make a parachute landing fall (PLF).
9. Field pack your parachute.
10. Obtain critique of jump from jumpmaster and DZ controller.
11. Enter jump into this logbook.

NEW F.A.A. REGULATIONS IN BACK OF THIS LOG

JUMP NO.	DATE	LOCATION	TYPE AIRCRAFT	LICENSED PARACHUTIST OR PILOT SIGNATURE AND LICENSE NO.	PARACH… BACK
1	28 Nov 64	SPORT PARACHUTING CENTER ORANGE, MASS.	NORSEMAN	Daniel R Stuby USPA-C 2864	TELSAN TERN
2	28 Nov 64			Bill Taft D733	
3				Steve Hall D953	
4	4/Jun/64	O.S.P.C.		Mike Todd D-487	
5	19/6/65	"		[illegible] Pilot INST	
6	20 June/65	"		Daniel R Stuby USPA-C 826	
7	20 June 65	"		Pat Gorka D556	
8	26 Sept 65			Jon D. Hingard 3273	
9				Pat Gorka D556	
10				Bill Taft D733	

Type Parachutes Jumped	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.

ALT. JUMP	Delay in Seconds	MANEUVERS	DISTANCE TO TARGET	SURFACE WIND	REMARKS
2500	0	—	3.00	8	Maneuvers Mono Arch – Rec'd
2500	S/L			8	EXCELLANT Jump
					EXC. Jump
	DP				EXC Form – MISSED HANDLE
	DP				VERY Good Jump - DP
	DP				OK WORK ON EXITS & D/S
					WK EXIT AND ARCH LT. SIDE LOW DP OK
2900	JP				R/A & KICKING - STABLE ON PULL
: :		PAGE TOTAL			TOTAL DISTANCE THIS PAGE
: :		PRIOR TOTAL			AVERAGE DISTANCE THIS PAGE
: :		TOTAL TIME			PRIOR AVERAGE TO DATE

JUMP NO.	DATE	LOCATION	TYPE AIRCRAFT	LICENSED PARACHUTIST OR PILOT SIGNATURE AND LICENSE NO.	PARACHUTE	
					BACK	C-
11	26/ Sept 65	Orange	Norseman	Nap Pond D69	Nelson Navy	2
12	6/5/66	MTH. S.P.C. SANFORD ME	172 CESSNA	Richard Emerson D-622	L L	2
13	7/4/68	Franklin, Wis	Cessna	Paul Rutkowski D-1445	L L	2
14	1	PARACHUTING	1	Paul Rutkowski D-1445	DOUBLE L	2
15	7/18	"	"	Paul Rutkowski D-1445	L L	2
16	7/18	"	"	Ron Magnuson D-1732	"	
17	8/4/68	"	"	Mike Melvin C-4314	"	
18	9/7/68	"	"	C-4985	"	
19	"	"	"	C-4985	"	
20	"	"	"	Clarence Bopp 092	"	

Type Parachutes Jumped	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.

ALT. JUMP	Delay in Seconds	MANEUVERS	DISTANCE TO TARGET	SURFACE WIND	REMARKS
3000	5				Excel. 5 sec
300	SL	S.D. D.R.&P.	out	3	GOOD EXIT CLEARED FOR F.F. ! RZ. Emission ABOVE
2800	SL	SL DRCP	out	8-10	GOOD DRCP GOOD EXIT SLIGHTLY ONSIDE ARCH
3800	Jump Pull		out	5-8	GOOD EXIT, GOOD ARCH, GOOD FOR 5 SLIGHTLY LATE
3200	5	SD	60 yds	5-8	STABLE, But SHAKEY 5 SEC
"	"	SD	60yds	5-8	STABLE, SWIMMING BUT OK, OK FOR 10S
3600	10	SD	out	10	
3200	5	SD	"	15	GOOD SPOT - VERY GOOD 5 SECOND DELAY
3600	10	SD	"	15	GOOD SPOT - HAVING TROUBLE WITH SD
3600	10	SD	"	15	Good SP, one handed pull, count slower
: :		PAGE TOTAL			TOTAL DISTANCE THIS PAGE
: :		PRIOR TOTAL			AVERAGE DISTANCE THIS PAGE
: :		TOTAL TIME			PRIOR AVERAGE TO DATE

JUMP NO.	DATE	LOCATION	TYPE AIRCRAFT	LICENSED PARACHUTIST OR PILOT SIGNATURE AND LICENSE NO.	PARACH	
					BACK	
21	9/4	"	"	C-4985	"	
22	"	"	"	C-4985	"	
23	"	"	"	C-4985	"	
24	7/1/72	Saline	182	Ray Taylor D-2997	TT	T
25	7/1/72	Saline	Cessna 182	Ray Taylor D-2997	TT	T
26	7/1/72	Saline	CESSNA 182	C-6810	TT	T

Type Parachutes Jumped	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.
	TYPE	CANOPY MODIFICATION	SERIAL NO.

ALT. JUMP	Delay in Seconds	MANEUVERS	DISTANCE TO TARGET	SURFACE WIND	REMARKS
3600	10	SD	30 yds	10	
"	"	"	30 yds	10	
"	"	"	out	10	
2800		D.R.C.P	10 yds		Good Stable D.R.C.P
3200	3	3-S.D	5 yds	0-5	Very Good Stable C.P.
3600	10	10 SD	70 yds	0-5	Very Good - OK for Jumpmaster yesterday 7/13/52 T. Drop-Vance
:	:	PAGE TOTAL			TOTAL DISTANCE THIS PAGE
:	:	PRIOR TOTAL			AVERAGE DISTANCE THIS PAGE
:	:	TOTAL TIME			PRIOR AVERAGE TO DATE