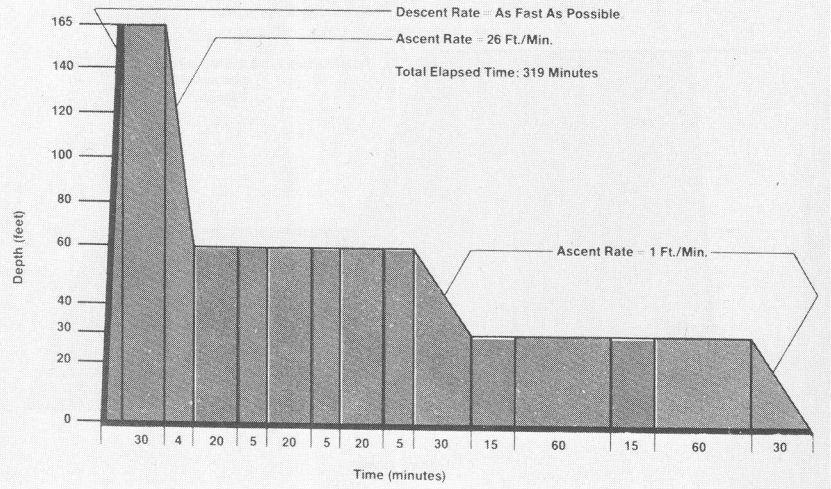
TABLE 6A—MINIMAL RECOMPRESSION, OXYGEN BREATHING METHOD FOR TREATMENT OF DECOMPRESSION SICKNESS AND GAS EMBOLISM

1. Use—treatment of gas embolism when oxygen can be used and symptoms moderate to a major extent within 30 minutes at 165 feet.
2. Descent rate—as fast as possible.
3. Ascent rate—1 ft/min. Do not compensate for slower ascent rates. Compensate for faster ascent rates by halting the ascent.
4. Time at 165 feet—includes time from the surface.
5. If oxygen breathing must be interrupted, allow 15 minutes after the reaction has entirely subsided and resume schedule at point of interruption.
6. Tender breathes air throughout. If treatment is a repetitive dive for the tender or tables are lengthened, tender should breathe oxygen during the last 30 minutes of ascent to the surface.

Depth (feet)	Time (minutes)	Breathing Media	Total Elapsed Time (minutes)
165	30	Air	30
165 to 60	4	Air	34
60	20	Oxygen	54
60	5	Air	50
60	20	Oxygen	79
60	5	Air	84
60	20	Oxygen	104
60	5	Air	109
60 to 30	30	Oxygen	139
30	15	Air	154
30	60	Oxygen	214
30	15	Air	229
30	60	Oxygen	289
30 to 0	30	Oxygen	319

TABLE 6A DEPTH/TIME PROFILE



Appendix 3

Decompression Tables for Diving at Altitude*

DECOMPRESSION - TABLE 0 - 700 m ABOVE SEA LEVEL

Depth m	Bottom-time min	DECO - stops m 15 12 9 6 3	Repet. group
15	90	5	J
	120	10	K
	150	15	L
20	50	4	H
	60	6	J
	75	18	K
	90	23	K
	105	3 31	K
25	30	5	G
	40	8	H
	50	12	J
	60	20	K
	75	3 30	K
	90	10 38	L
30	25	5	G
	30	9	H
	35	12	J
	40	5 14	J
	50	5 25	K
	60	6 8 32	K
	75	7 15 42	L
	90	8 25 52	L
35	20	5	G
	25	9	H
	30	12	J
	35	5 17	J
	40	7 30	J
	50	3 10 35	K
	60	7 15 45	K
	75	10 15 62	L
40	15	2 5	G
	20	2 10	H
	25	3 12	J
	30	2 5 20	J
	35	2 10 30	K
	40	5 15 35	K
	50	2 7 20 40	K
	60	2 10 25 50	L

Depth m	Bottom-time min	DECO - stops m 18 15 12 9 6 3	Repet. group
45	10	4	F
	15	2 6	G
	20	3 11	H
	25	5 20	J
	30	3 10 30	K
	35	5 10 35	K
	40	2 5 15 45	K
	50	2 5 10 20 55	L
	60	2 5 20 25 60	-
50	10	5	F
	15	3 8	H
	20	5 17	J
	25	3 10 27	J
	30	5 10 35	K
	40	2 5 12 15 50	K
	50	2 10 15 20 60	L
	60	3 12 20 30 70	-
55	10	1 2 5	F
	15	1 4 11	F
	20	1 4 8 24	G
	25	2 7 10 32	J
	30	1 3 9 13 38	K
	40	1 5 8 17 18 58	K
60	10	2 3 5	H
	15	3 5 15	J
	20	2 6 10 29	J
	25	2 2 10 10 35	K
	30	2 4 12 15 40	L
65	10	1 2 3 6	H
	15	1 3 8 18	J
	20	1 2 6 13 33	J
	25	2 4 10 13 40	K
	30	1 2 8 14 18 46	L
70	10	2 3 4 6	H
	15	2 3 10 20	J
	20	2 3 5 15 35	J
	25	2 2 5 10 15 43	K
	30	2 3 10 15 20 50	L

Courtesy of Professor Dr. A. A. Buhlmann, Medizinische Universitatsklinik, Kantonsspital, CH-8006 Zurich, Switzerland.

*1 meter = 3 feet, 3 inches

Max. ascent rate 10m/min

	No decompression limits (0 - 700 m)								
m	9	12	15	18	20	25	30	35	40
min		200	75	50	30	25	20	15	10
	Each dive must include a decompression stop of 3 min at 3 m								

REPETITIVE SYSTEM 0 - 700 m ABOVE SEA LEVEL

SURFACE INTERVAL TABLE (min)

Repetitive group at the beginning of surface interval \ Repetitive group at the end of the surface interval	L	K	J	H	G	F	E	D	C	B	A	"O"
L	14	30	47	68	94	127	149	174	206	255	440	
K	16	34	55	80	113	135	160	194	240	426		
J	18	39	65	98	119	145	180	225	409			
H	22	47	80	101	127	160	206	394				
G	26	59	80	106	139	186	372					
F	34	55	80	113	160	346						
E	22	47	80	127	312							
D	26	59	106	292								
C	34	80	266									
B	47	233										
A	186											

REPETITIVE TIMETABLE (min)

Repetitive - group \ Depth m	6	9	12	15	20	25	30	35	40	45	50	55	60	65	70
L		>400	300	160	96	69	55	45	39	34	30	27	25	23	21
K		>400	250	127	80	59	47	39	34	29	26	24	22	20	18
J		400	150	101	67	50	40	33	29	25	23	21	19	17	16
H		200	113	80	55	42	34	27	25	22	19	17	16	15	14
G	>200	135	85	63	44	34	27	22	20	18	16	14	13	12	11
F	200	108	61	47	34	26	22	17	16	14	13	12	11	10	9
E	113	61	42	34	25	19	16	13	12	11	9	8	8	7	7
D	85	48	34	27	20	16	13	10	10	9	8	7	7	6	6
C	61	37	26	22	16	13	10	8	8	7	6	6	5	5	5
B	43	26	19	16	12	9	8	6	6	5	5	4	4	4	4
A	26	17	12	10	8	6	6	4	4	3	3	3	3	3	3

DECOMPRESSION - TABLE 701 - 1500 m ABOVE SEA LEVEL

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet group
12	120					4	4	H
15	40					5	5	F
	75					8	8	H
	90					13	13	H
	105					16	16	J
	120						19	J
20	20						4	E
	25						6	F
	30					2	8	F
	40					3	9	G
	50					5	11	H
	60					5	19	H
	75					8	25	J
	90					12	25	J
	105					15	30	-
	120					20	37	-
25	15					1	5	D
	25					4	8	F
	30				3	4	9	G
	35				4	5	13	G
	40				5	5	17	H
	50				5	7	23	H
	60				7	12	25	J
	75				10	15	30	J
	90				15	17	38	-
30	10					1	3	D
	15					3	6	E
	20					5	9	F
	25				3	5	10	G
	30				6	6	12	G
	35				7	7	18	H
	40			3	10	10	23	H
	50			5	10	15	25	J
	60			6	15	15	31	J

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet. group
35	10					2	3	D
	15				3	5	8	F
	20			2	5	5	11	G
	25			3	7	7	13	H
	30			4	8	8	16	H
	35			5	8	8	22	H
	40		2	5	10	10	25	J
	50		3	6	12	15	32	J
40	5					1	3	C
	10				2	2	6	E
	15			3	3	5	9	F
	20			4	5	6	12	G
	25			5	7	8	16	H
	30		3	6	8	10	20	J
	35		4	8	8	11	25	J
	40		6	8	9	17	32	J
45	5					2	3	C
	10				3	4	8	F
	15			2	3	5	5	12	G
	20			3	4	6	8	15	H
	25		1	4	6	6	10	19	H
	30		2	5	7	10	16	28	J
50	5					1	3	4	D
	10				3	4	5	10	F
	15		1	3	5	6	6	15	G
	20		3	3	6	6	10	18	H
	25		3	4	8	10	10	25	J
	30		6	6	8	13	18	35	J
55	10			2	4	5	6	12	F
	15		1	3	5	7	7	17	G
	20		4	5	6	7	10	24	H
60	10		1	3	4	6	6	13	G
	15		2	3	4	8	8	18	G
	20		5	6	6	8	10	30	H

Max. ascent rate 10m/min

	No decompression limits (701 - 1500 m)							
m	9	12	15	18	20	25	30	35
min	720	90	30	20	15	10	5	4
	Each dive must include a decompression stop of 3 min at 2 m							

REPETITIVE SYSTEM 701 - 1500 m ABOVE SEA LEVEL

SURFACE INTERVAL TABLE (min)

Repetitive group at the beginning of the surface interval \ Repetitive group at the end of the surface interval	J	H	G	F	E	D	C	B	A	"O"
J		17	35	59	87	105	125	150	183	265
H			19	42	71	89	109	134	166	250
G				23	52	69	90	115	147	230
F					29	46	67	92	124	207
E						18	39	64	96	178
D							21	46	78	161
C								25	58	141
B									33	115
A										81

REPETITIVE TIMETABLE (min)

Depth m		6	8	10	12	15	20	25	30	35	40	45	50	55	60
Repetitive - group	J			320	171	120	73	53	43	35	30	26	23	21	19
	H		>225	190	125	93	60	44	35	30	25	22	20	18	16
	G	>330	225	130	92	71	47	35	29	24	21	18	16	15	13
	F	330	132	90	67	53	36	27	23	19	16	14	12	11	10
	E	142	83	59	46	37	26	20	16	14	12	11	9	8	7
	D	103	64	47	37	30	21	16	13	11	10	9	7	7	6
	C	73	48	36	28	23	16	12	10	9	8	7	6	6	5
	B	51	34	26	21	17	12	9	8	7	6	5	5	4	4
	A	32	21	16	13	11	8	6	5	5	4	4	3	2	2

DECOMPRESSION - TABLE 1501 - 2000 m ABOVE SEA LEVEL

Depth m	Bottom-time min	DECO - stops 16	13	10	7	4	2	Repet. group
12	60						4	H
	90						5	H
	120						6	H
15	30						4	E
	40						6	E
	50						7	F
	60						8	F
	75						12	G
	90						16	H
	105						20	H
20	15						5	C
	20						7	D
	25					2	7	E
	30					2	10	F
	40					3	12	G
	50					5	18	H
	60					6	24	H
25	10						5	C
	15					2	6	D
	20					4	8	E
	25					6	10	F
	30				3	6	12	F
	40				5	7	20	G
	50				7	10	25	H
	60				8	15	25	H
30	5						4	C
	10					1	4	D
	15					4	7	E
	20				2	4	10	F
	25				5	5	10	G

Depth m	Bottom-time min	DECO - stops 16	13	10	7	4	2	Repet. group
30	30				6	8	16	G
	40			3	10	12	25	H
	50			3	12	15	30	H
	60			5	14	20	35	H
35	5						4	C
	10					2	5	E
	15				4	5	10	F
	20			1	6	6	14	F
	25			3	7	8	17	G
	30			4	8	10	20	G
	40		2	7	10	15	30	H
	50		3	8	12	20	40	H
40	5					2	4	C
	10				2	3	8	D
	15			3	5	5	11	F
	20			4	6	7	14	G
	25		3	5	8	8	20	H
	30		3	6	10	11	25	H
	40		6	6	11	18	40	H
45	5					3	4	C
	10			1	3	4	9	E
	15		2	4	5	5	14	G
	20		3	5	7	8	19	G
	25	1	4	6	8	10	25	H
	30	2	5	7	10	17	35	H
50	5				2	3	6	D
	10		1	3	4	5	12	F
	15	1	3	6	6	7	18	G
	20	3	4	6	8	10	23	H
	25	3	5	8	10	12	28	H

Max. ascent rate 10m/min

No decompression limits (1501 - 2000 m)							
m	9	12	15	18	20	25	30
min	360	50	25	15	10	6	4
Each dive must include a decompression stop of 3 min at 2 m							

REPETITIVE SYSTEM 1501 - 2000 m ABOVE SEA LEVEL

SURFACE INTERVAL TABLE (min)

Repetitive group at the beginning of the surface interval \ Repetitive group at the end of the surface interval	H	G	F	E	D	C	B	A	"O"
H	17	37	60	74	90	108	130	191	
G		20	44	58	75	93	116	179	
F			24	39	55	73	96	160	
E				15	31	49	72	136	
D					17	35	58	113	
C						19	42	106	
B							23	88	
A								65	

REPETITIVE TIME TABLE (min)

Repetitive - group \ Depth m	6	8	10	12	15	20	25	30	35	40	45	50
H	-	-	361	168	103	63	46	37	30	25	23	20
G	-	>224	184	119	77	50	37	30	25	21	19	17
F	>437	224	118	83	57	39	29	23	19	17	15	13
E	437	119	75	57	41	28	21	17	14	12	11	9
D	194	89	58	45	33	23	17	14	12	10	9	8
C	122	65	45	36	25	18	14	11	9	8	7	6
B	78	45	32	25	19	13	10	8	7	6	5	5
A	46	28	21	16	12	9	7	6	5	4	3	3

DECOMPRESSION - TABLE 2001 - 2500 m ABOVE SEA LEVEL

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet. group
12	50						4	E
	60						6	F
	75						8	F
	90						10	F
	120						15	G
15	20						4	C
	25						5	D
	30						6	D
	40						9	E
	50						12	F
	60						14	F
	75						18	G
	90						22	G
20	10						4	B
	15						7	C
	20						10	D
	25					2	10	E
	30					3	12	E
	40					5	16	F
	50					6	20	F
	60					8	26	G
25	5						4	B
	10						6	C
	15					3	8	D
	20					5	10	E
	25				1	7	10	F
	30				3	7	18	F
	40				5	10	30	F
	50				8	15	30	G
	60				8	20	35	G

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet. group
30	5					1	5	B
	10					3	7	C
	15					5	9	E
	20				3	7	10	F
	25				6	9	18	F
	30				8	10	25	F
	40			3	12	15	33	G
	50			5	15	20	38	G
35	5					2	4	B
	10				1	3	6	D
	15				4	5	13	E
	20			2	6	7	15	F
	25			3	8	9	24	F
	30			5	8	10	30	G
	40		3	7	10	18	45	G
40	5					3	5	B
	10				2	4	9	D
	15			3	5	6	13	F
	20			4	7	8	17	F
	25		2	5	9	10	25	G
	30		3	6	11	15	32	G
45	5				1	3	7	C
	10			1	3	6	10	E
	15		1	4	5	8	15	F
	20		3	5	8	10	25	G
	25	1	4	6	10	12	30	G
50	5					2	4	8	C
	10				3	4	6	14	E
	15		1	3	6	7	9	21	F
	20		3	4	6	9	12	28	G

Max. ascent rate 10 m/min

	No decompression limits (2001 - 2500 m)				
m	9	12	15	18	20
min	240	40	15	7	5
	Each dive must include a decompression stop of 3 min at 2 m				

REPETITIVE SYSTEM 2001 - 2500 m ABOVE SEA LEVEL

SURFACE INTERVAL TABLE (min)

Repetitive group at the beginning of surface interval	Repetitive group at the end of the surface interval							
	H	G	F	E	D	C	B	A	"O"
H	17	36	58	72	87	104	124	180
G	19	42	55	70	88	108	163
F	23	36	51	69	89	146
E	14	29	46	66	121
D	15	33	53	109
C	18	38	94
B	21	27
A	57

REPETITIVE TIMETABLE (min)

Repetitive - group	Depth m 6	8	10	12	15	20	25	30	35	40	45	50
H	-	-	>206	180	106	65	47	37	31	26	23	20
G	-	>280	206	124	80	51	38	30	25	22	19	17
F	-	280	127	87	59	39	29	23	20	17	15	13
E	>258	132	80	58	42	28	22	17	15	13	11	10
D	258	97	63	46	34	23	18	14	12	10	9	8
C	145	70	47	36	26	18	14	11	10	8	7	7
B	89	48	34	26	19	13	10	9	7	6	6	5
A	51	30	22	17	13	9	7	6	5	4	4	3

DECOMPRESSION - TABLE 2501 - 3200 m ABOVE SEA LEVEL

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet. group
12	40						5	D
	50						8	D
	60						10	E
	75						14	F
	90						18	F
15	15						4	B
	20						6	C
	25						8	D
	30						10	D
	40						14	E
	50						18	E
	60						20	F
	75					2	26	F
	90					2	32	F
20	10						4	B
	15						8	C
	20					2	10	D
	25					2	12	D
	30					3	14	E
	40				1	7	18	E
	50				1	10	24	F
	60				2	12	30	F
25	5						5	B
	10						8	C
	15					3	10	D
	20				1	5	13	D
	25				3	7	18	E
	30				4	10	23	F
	40				6	12	35	F
	50				8	15	40	F

Depth m	Bottom-time min	DECO - stops m 16	13	10	7	4	2	Repet. group
30	5					2	6	B
	10					3	9	C
	15				1	5	12	D
	20				3	8	13	E
	25			2	5	12	20	F
	30			3	9	12	30	F
	40			4	12	16	40	F
	50			6	15	22	50	F
35	5				1	3	6	B
	10				1	4	9	D
	15			1	2	6	12	E
	20			2	4	9	18	F
	25			3	9	13	25	F
	30		1	5	10	15	33	F
	40		3	7	12	22	50	F
40	5				1	3	8	B
	10				2	5	10	D
	15			2	3	8	14	E
	20		1	4	8	10	22	F
	25		3	5	11	14	30	F
	30		3	8	14	18	35	F
45	5				2	3	9	C
	10			1	3	6	12	D
	15		2	4	6	10	18	E
	20	1	2	6	10	14	32	F
	25	1	2	8	12	17	38	F
50	5			1	2	3	10	C
	10		1	2	5	8	14	E
	15	1	3	6	8	12	22	F
	20	3	4	7	11	16	34	F

Max. ascent rate 10m/min

No decompression limits (2501 - 3200 m)				
m	9	12	15	18
min	150	30	10	5
Each dive must include a decompression stop of 3 min at 2 m				

REPETITIVE SYSTEM 2501 - 3200 m ABOVE SEA LEVEL

SURFACE INTERVAL TABLE (min)

Repetitive group at the beginning of surface interval	Repetitive group at the end of the surface interval					
	F	E	D	C	B	A	"O"
F	22	34	47	63	80	127
E	13	26	42	59	106
D	14	29	47	94
C	16	34	80
B	18	65
A	47

REPETITIVE TIMETABLE (min)

Depth m		6	8	10	12	15	20	25	30	35	40	45	50
Repetitive - group	F	-	>160	145	94	63	41	30	24	20	17	15	13
	E	-	160	89	63	44	29	22	18	15	13	11	10
	D	-	113	69	50	35	24	18	15	12	11	9	8
	C	206	80	51	38	27	19	14	12	10	9	8	7
	B	113	55	36	27	20	14	11	9	7	7	6	5
	A	63	35	23	18	13	9	7	6	5	4	4	3

Example of a repetitive dive

1. - Mountain lake: 1620 meters above sea level
   → Decompression Table 1501 - 2000 meters above sea level
   - Depth 28 meters → 30 meters on the table.
   - Bottom time 17 minutes → 20 minutes on the table.
   - After the decompression you are in the repetitive group F.
2. - Second dive after 45 minutes on the surface. On the "surface interval table" you can determine that you are in repetitive group D after 45 minutes.
   - For a second dive, to 20 meters, you see that you have to add 23 minutes to the bottom time because you are still in repetitive group D. Additional decompression is therefore necessary.