DIVE TABLES

TABLE 2 SURFACE INTERVAL CREDIT TABLE (TIMES IN HR:MIN)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
A	12:00 0:10	12:00 2:11	12:00 2:50	12:00 5:49	12:00 6:33	12:00 7:06	12:00 7:36	12:00 8:00	12:00 8:22	12:00 8:41	12:00 8:59	12:00 9:13	12:00 9:29	12:00 9:44	12:00 9:55	12:00 10:06
B	2:10 0:10	2:49 1:40	5:48 2:39	6:32 3:23	7:05 3:58	7:35 4:26	7:59 4:50	8:21 5:13	8:40 5:41	8:58 5:49	9:12 6:03	9:28 6:19	9:43 6:33	9:54 6:45	10:05 6:57	
C	1:39 0:10	2:38 1:10	3:22 1:58	3:57 2:29	4:25 2:59	4:49 3:21	5:12 3:44	5:40 4:03	5:48 4:20	6:02 4:36	6:18 4:50	6:32 5:04	6:44 5:17	6:56 5:28		
D	1:09 0:10	1:57 0:55	2:28 1:30	2:58 2:00	3:20 2:24	3:43 2:45	4:02 3:05	4:19 3:22	4:35 3:37	4:49 3:53	5:03 4:05	5:16 4:18	5:27 4:30			
E	0:54 0:10	1:29 0:46	1:59 1:16	2:23 1:42	2:44 2:03	3:04 2:21	3:21 2:39	3:36 2:54	3:52 3:09	4:04 3:23	4:17 3:34	4:29 3:46				
F	0:45 0:10	1:15 0:41	1:41 1:07	2:02 1:30	2:20 1:48	2:38 2:04	2:53 2:20	3:08 2:35	3:22 2:48	3:33 3:00	3:45 3:11					
G	0:40 0:10	1:06 0:37	1:29 1:00	1:47 1:20	2:03 1:36	2:19 1:50	2:34 2:06	2:47 2:19	2:59 2:30	3:10 2:43						
H	0:36 0:10	0:59 0:34	1:19 0:55	1:35 1:12	1:49 1:26	2:05 1:40	2:18 1:54	2:29 2:05	2:42 2:18							
I	0:33 0:10	0:54 0:32	1:11 0:50	1:25 1:05	1:39 1:19	1:53 1:31	2:04 1:44	2:17 1:56								
J	0:31 0:10	0:49 0:29	1:04 0:46	1:18 1:00	1:30 1:12	1:43 1:25	1:55 1:37									
K	0:28 0:10	0:45 0:27	0:59 0:43	1:11 0:55	1:24 1:08	1:36 1:19										
L	0:26 0:10	0:42 0:26	0:54 0:40	1:07 0:52	1:18 1:03											
M	0:25 0:10	0:39 0:25	0:51 0:37	1:02 0:49												
N	0:24 0:10	0:36 0:24	0:48 0:35													
O	0:23 0:10	0:34 0:23														
Z	0:22 0:10															

NEW GROUP

DEPTH (FEET)	NO DECOMPRESSION LIMITS	BOTTOM TIMES FOR AIR DIVES (MINUTES)														
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
10	—	60	120	210	300											
15	—	35	70	110	160	225	350									
20	—	25	50	75	100	135	180	240	325							
25	—	20	35	55	75	100	125	160	195	245	315					
30	—	15	30	45	60	75	95	120	145	170	205	250	310			
35	310	5	15	25	40	50	60	80	100	120	140	160	190	220	270	310
40	200	5	15	25	30	40	50	70	80	100	110	130	150	170	200	
50	100	—	10	15	25	30	40	50	60	70	80	90	100			
60	60	—	10	15	20	25	30	40	50	55	60					
70	50	—	5	10	15	20	30	35	40	45	50					
80	40	—	5	10	15	20	25	30	35	40						
90	30	—	5	10	12	15	20	25	30							
100	25	—	5	7	10	15	20	22	25							
110	20	—	—	5	10	13	15	20								
120	15	—	—	5	10	12	15									
130	10	—	—	5	8	10										
140	10	—	—	5	7	10										
150	5	—	—	5												
160	5	—	—	—	5											
170	5	—	—	—	5											
180	5	—	—	—	5											
190	5	—	—	—	5											

TABLE 1 "NO DECOMPRESSION" LIMITS AND REPETITIVE GROUP DESIGNATION TABLE FOR "NO DECOMPRESSION" AIR DIVES

TABLE 3 RESIDUAL NITROGEN TIMES (MINUTES)

40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	190'
RESIDUAL NITROGEN TIMES BELOW (MINUTES) FOR REPETITIVE DIVE DEPTH ABOVE (FT)															
7	6	5	4	4	3	3	3	3	3	2	2	2	2	2	2
17	13	11	9	8	7	7	6	6	6	5	5	4	4	4	4
25	21	17	15	13	11	10	10	9	8	7	7	6	6	6	6
37	29	24	20	18	16	14	13	12	11	10	9	9	8	8	8
49	38	30	26	23	20	18	16	15	13	12	12	11	10	10	10
61	47	36	31	28	24	22	20	18	16	15	14	13	13	12	11
73	56	44	37	32	29	26	24	21	19	18	17	16	15	14	13
87	66	52	43	38	33	30	27	25	22	20	19	18	17	16	15
101	76	61	50	43	38	34	31	28	25	23	22	20	19	18	17
116	87	70	57	48	43	38	34	32	28	26	24	23	22	20	19
138	99	79	64	54	47	43	38	35	31	29	27	26	24	22	21
161	111	88	72	61	53	48	42	39	35	32	30	28	26	25	24
187	124	97	80	68	58	52	47	43	38	35	32	31	29	27	26
213	142	107	87	73	64	57	51	46	40	38	35	33	31	29	28
241	160	117	96	80	70	62	55	50	44	40	38	36	34	31	30
257	169	122	100	84	73	64	57	52	46	42	40	37	35	32	31

CAUTION:

THESE "RESIDUAL NITROGEN TIMES" ARE THE TIMES A DIVER MUST ASSUME HE HAS ALREADY SPENT ON THE BOTTOM BEFORE HE STARTS A REPETITVE DIVE TO A SPECIFIC DEPTH.

INSTRUCTIONS:

ALL TABULATED BOTTOM TIMES (MINUTES), AND ALL TABULATED DEPTHS (FEET) HAVE BEEN TAKEN FROM THE U. S. NAVY DIVING MANUAL OF FEBRUARY 1984.

1 TO CALCULATE A REPETITIVE DIVE UPON SURFACING FOR DIVES INVOLVING EXPOSURES UP TO AND INCLUDING THE "NO DECOMPRESSION LIMITS": ENTER TABLE 1 ON THE EXACT OR NEXT GREATER DEPTH THAN THAT TO WHICH EXPOSED, AND SELECT THE LISTED EXPOSURE TIME EXACT OR NEXT GREATER THAN THE ACTUAL EXPOSURE TIME. THE REPETITIVE GROUP DESIGNATION IS INDICATED BY THE LETTER AT THE HEAD OF THE VERTICAL COLUMN WHERE THE SELECTED EXPOSURE TIME IS LISTED.

2 CONTINUE THE VERTICAL MOTION ALONG THE STRAIGHT LINES JOINING TABLE 1 TO TABLE 2. ENTER TABLE 2 VERTICALLY TO SELECT THE ELAPSED SURFACE INTERVAL TIME. THE NEW REPETITIVE GROUP DESIGNATION FOR THE SURFACE INTERVAL IS TO THE RIGHT OF THE HORIZONTAL ROW WHERE THE ELAPSED SURFACE INTERVAL TIME IS LISTED.

3 CONTINUE THE RIGHTHANDED MOTION TO ENTER TABLE 3 ON THE HORIZONTAL ROW TO THE RIGHT OF THE NEW REPETITIVE GROUP DESIGNATION. THE TIME IN EACH VERTICAL COLUMN IS THE RESIDUAL NITROGEN TIME. IT IS A PENALTY; ie, THE TIME A DIVER MUST ASSUME HE HAS ALREADY SPENT ON THE BOTTOM BEFORE HE STARTS A REPETITIVE DIVE TO THE DEPTH SPECIFIED AT THE TOP OF THE COLUMN.