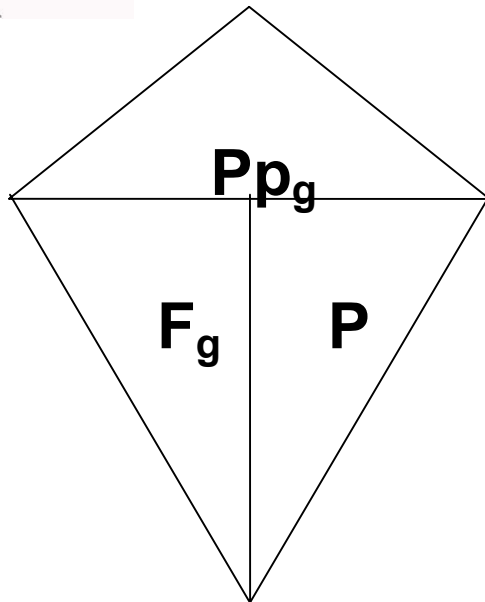




DALTON'S DIAMOND



P_{p_g} – partial pressure of gas

F_g – gas fraction

P – ambient pressure

OXYGEN PRESSURE TIME LIMITS (Minutes) (NOAA Table)

PO_2 (ATA)	Single Dive	%CNS/Min	Daily
1.6	45	2.22	150
1.5	120	0.83	180
1.4	150	0.67	180
1.3	180	0.56	210
1.2	210	0.48	240
1.1	240	0.42	270
1.0	300	0.33	300
0.9	360	0.28	360
0.8	450	0.22	450
0.7	570	0.18	570
0.6	720	0.14	720

CNS TOXICITY SYMPTOMS

- V** Vision problems and Visual disturbances
- E** Ears, tinnitus, ringing
- N** Nausea, sick to stomach
- T** Twitching, particularly the lips
- I** Irritability, mood shift

D Dizziness, vertigo



EQUIVALENT AIR DEPTH CHART (EAD)

ЭКВИВАЛЕНТНАЯ ВОЗДУШНАЯ ГЛУБИНА

	<i>Percentage oxygen in mix</i>								<i>Процент кислорода в смеси</i>							
Depth	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
12	11	11	10	10	10	9	9	9	9	8	8	8	8	7	7	7
13	12	12	11	11	11	10	10	10	10	9	9	9	8	8	8	7
14	13	12	12	12	12	11	11	11	10	10	10	9	9	9	9	8
15	14	13	13	13	12	12	12	12	11	11	11	10	10	10	9	9
16	15	14	14	14	13	13	13	12	12	12	11	11	11	10	10	10
17	16	15	15	15	14	14	14	13	13	13	12	12	12	11	11	11
18	17	16	16	16	15	15	14	14	14	13	13	13	12	12	12	11
19	18	17	17	16	16	16	15	15	15	14	14	13	13	13	12	12
20	18	18	18	17	17	17	16	16	15	15	15	14	14	14	13	13
21	19	19	19	18	18	17	17	17	16	16	16	15	15	14	14	14
22	20	20	20	19	19	18	18	18	17	17	16	16	16	15	15	14
23	22	22	20	20	20	19	19	18	18	18	17	17	16	16	15	15
24	22	22	21	21	21	20	20	19	19	18	18	18	17	17	16	16
25	23	23	22	22	21	21	21	20	20	19	19	18	18	17	17	17
26	24	24	23	23	22	22	21	21	21	20	20	19	19	18	18	17
27	25	25	24	24	23	23	22	22	21	21	20	20	20	19	19	18
28	26	26	25	25	24	24	23	23	22	22	21	21	20	20	19	19
29	27	27	26	26	25	25	24	24	23	23	22	22	21	21	20	20
30	28	27	27	26	26	25	25	24	24	23	23	22	22	21	21	20
31	29	28	28	27	27	26	26	25	25	24	24	23	23	22	22	
32	30	29	29	28	28	27	27	26	26	25	25	24	23	23		
33	31	30	30	29	29	28	28	27	26	26	25	25	24			
34	32	31	31	30	30	29	28	28	27	27	26	26	25			
35	33	32	32	31	30	30	29	29	28	28	27	26				
36	34	33	33	32	31	31	30	30	29	28	28					
37	35	34	33	33	32	32	31	30	30	29						
38	36	35	34	34	33	33	32	31	31							
39	37	36	35	35	34	33	33	32	32							
40	37	37	36	36	35	34	34	33								

$$EAD = [(FN_2 / 0,79) (D + 10)] - 10$$



Buhlmann 1989 Sea Level (0-700M)									
No Decompression Dive Tables									
Depth Meters	Nitrogen Group Designation								
	A	B	C	D	E	F	G	H	
9	25	37	55	81	105	130			
12	19	25	37	57	82	125			
15	16	20	29	41	59	75			
18	15	17	25	33	44	51			
21	12	15	22	28	35				
24	11	13	20	25					
27	10	12	18	20					
30	9	11	16						
33	8	10	14						
36	7	9	12						
39	7	10							

Buhlmann Repetitive Letter Group Table									
Surface Interval Time (H:mm)									
								"0" Hours	Fly Hours
							A	2	2
						B	0:20	2	2
					C	0:10	0:25	3	3
			D	0:10	0:15	0:30		3	3
		E	0:10	0:15	0:25	0:45		4	3
		F	0:20	0:30	0:45	1:15	1:20	8	4
	G	0:25	0:45	1:00	1:15	1:40	2:10	12	5
H	0:50	1:05	1:35	2:10	3:00	4:00	5:40	24	7
	G	F	E	D	C	B	A		

Buhlmann Residual Nitrogen Time Table (RNT)							
Depth Meters	G	F	E	D	C	B	A
9	154	130	105	81	55	37	25
12	137	111	82	57	37	25	19
15			59	41	29	20	16
18			44	33	25	17	14
21				28	22	15	12

24				24	20	13	11
27					18	12	10
30						11	9
33						10	8
36						9	7
39						8	7