

TABLE 57.—*Dogs gassed with chloropicrin—degree of edema of lungs*

No.	Breed	Sex	Concentration	Death, hours after gassing	Body weight (grams)	Heart weight	Lung			
							Volume	Weight	Difference	Weight index
1	Cur	Male	1.039	4	10,400	76	415	400	15	4.04
2	Collie	do	.985	6	11,800	120	635	465	70	2.98
3	Bull	do	1.070	13	10,400	80	450	375	75	3.60
4	Cur	do	.992	12	13,600	125	400	335	65	2.06
5	do	do	.930	5	19,500	175	510	510	0	2.26
6	Collie	do	.891	8	13,400	95	375	355	20	2.87
7	Mongrel	Female	.906	8	9,300	90	300	245	55	2.09
8	Cur	Male	.819	7	900	105	360	320	40	2.34
9	Collie	do	.985	12-24	11,350	105	425	350	75	2.56
10	do	do	1.107	12-24	15,900	100	400	350	50	2.69
11	Cur	do	1.029	12-24	9,800	105	350	300	50	2.19
12	Collie	do	1.075	12-24	15,400	140	500	450	50	2.47
13	Cur	Female	1.015	12-24	10,400	80	310	300	10	2.88
14	do	Male	.991	9	10,400	-----	390	350	40	-----
15	Coach dog	Female	1.034	4	9,000	65	420	345	75	4.07
16	Cur	Male	1.064	8	8,340	95	300	225	75	1.81
17	do	Female	1.017	9	7,000	62	290	225	65	2.79
18	do	Male	1.006	7	8,100	75	325	290	35	2.97
19	Airedale	Female	.911	12-24	13,160	150	575	525	50	2.70
20	Cur	Male	.983	5	7,000	60	300	225	75	2.88
21	Mongrel	do	.890	12-24	7,900	75	350	250	100	2.56
22	Cur	Female	.999	12-18	8,500	75	300	275	25	2.81
23	do	Male	1.020	8	8,800	75	300	275	25	3.79
24	do	do	1.041	12-18	9,300	96	400	350	50	2.79
25	Airedale	do	1.015	10	9,300	127	280	250	30	1.51
26	Poodle	do	1.087	7	8,200	84	225	205	20	1.87
27	Cur	do	1.046	8	12,900	130	375	365	10	2.16
28	Collie	do	.891	26	16,000	125	480	300	180	1.85
29	do	do	.752	20	18,000	151	480	410	70	2.04
30	Cur	do	.908	8	10,000	102	310	280	30	2.12

NOTE.—Data indicating the degree of edema of lungs and acute emphysema in dogs dying acutely after chloropicrin gassing. The extent of the edema may be judged by the weight index in the last column. Index is obtained by dividing the lung weight by the heart weight, and this quotient by 1.30, the normal proportion. The weight index thus represents the degree of increase in lung weight. The great variation in the figures, 1.51 to 4.07, is significant (see text). The slight differences in the weight and volume of the lungs show the small amount of residual air present as compared with phosgene and superpalite gassing.