

TABLE 34.
Weight of Dam and Weights at Weaning.

Weight of Dam. g.	Number of Litters.	NUMBERS, AVERAGE WEIGHTS, AND LITTER SIZE AT WEANING.									Total Litter Weight. g.
		Males.			Females.			Both Sexes.			
		Number.	Litter Size.	Average Weight. g.	Number.	Litter Size.	Average Weight. g.	Number.	Litter Size.	Average Weight. g.	
180-199.....	6	31	5.2	59.8	12	2.0	57.0	43	7.2	59.0	423
200-219.....	24	83	3.5	56.9	57	2.4	56.4	140	5.8	56.7	331
220-239.....	37	122	3.3	55.4	124	3.4	53.4	246	6.6	54.4	362
240-259.....	41	121	3.0	51.7	141	3.4	50.0	262	6.4	50.8	325
260-279.....	40	129	3.2	53.4	149	3.7	48.7	278	7.0	50.9	354
280-299.....	38	98	2.6	60.0	131	3.4	55.3	229	6.0	57.4	346
300-319.....	22	62	2.8	58.0	66	3.0	52.0	128	5.8	54.9	319
320-339.....	9	26	2.9	64.0	27	3.0	59.6	53	5.9	61.8	363
340-359.....	10	29	2.9	66.6	24	2.4	61.3	53	5.3	64.2	340

GROWTH OF THE ALBINO RAT.

TABLE 35.
Weight of Dam and Average Weights of Pups in First Litters Only.

Weight of Dam. g.	Number of Litters.	NUMBERS AND AVERAGE WEIGHTS AT WEANING.						AVERAGE NUMBER PER LITTER.			Total Litter Weight. g.
		Males.		Females.		Both Sexes.		Males.	Females.	Both.	
		Number.	Weight. g.	Number.	Weight. g.	Number.	Weight. g.				
180-199.....	7	31	59.8	12	57.0	43	59.0	4.4	1.7	6.1	363
200-219.....	24	82	56.8	56	56.2	138	56.5	3.4	2.3	5.8	325
220-239.....	31	102	56.5	101	54.6	203	55.6	3.3	3.3	6.5	364
240-259.....	34	91	50.0	116	49.3	207	49.6	2.7	3.4	6.1	302
260-279.....	20	49	55.1	75	47.5	124	50.5	2.5	3.8	6.2	313
280-299.....	15	38	56.7	58	51.8	96	53.8	2.5	3.9	6.4	344
300-319.....	7	25	58.4	23	55.1	48	56.8	3.6	3.3	6.9	389

TABLE 36.
Weight of Mothers and Average Weight of Young at Weaning when Litter Size at Weaning and Age of Mothers Remain Constant.

Weight of Dam, g.	LITTER SIZE CONSTANT.						AGE OF MOTHER CONSTANT.										
	Litter Size 6-7.			Litter Size 8-9.			Age 2-5 Months.			Age 6-9 Months.			Age 10 Months and Over.				
	Num-ber.	Average Weight, g.	Num-ber.	Average Weight, g.	Num-ber.	Litter Size.	Average Weight, g.	Num-ber.	Litter Size.	Average Weight, g.	Num-ber.	Litter Size.	Average Weight, g.	Num-ber.	Litter Size.	Average Weight, g.	
180.....	20	61.8	18	60.4	34	6.8	58.7	—	—	—	—	—	—	—	—	—	—
200.....	46	56.9	42	53.5	85	5.7	54.8	—	—	—	—	—	—	—	—	—	—
220.....	92	53.3	107	52.7	123	6.8	51.5	36	6.0	65.9	—	—	—	—	—	—	—
240.....	71	53.2	92	48.6	161	6.7	47.2	62	6.2	58.9	—	—	—	—	—	—	—
260.....	89	54.1	85	47.6	133	7.0	50.3	61	6.8	50.7	19	6.3	59.6	—	—	—	—
280.....	49	54.5	108	56.7	51	6.4	50.4	99	5.8	57.7	52	5.8	61.4	—	—	—	—
300.....	46	52.6	44	49.8	19	6.3	48.4	63	6.3	53.2	46	5.1	59.8	—	—	—	—
320.....	13	60.6	25	63.8	—	—	—	24	6.0	59.3	—	—	—	—	—	—	—
340.....	21	53.2	9	67.8	—	—	—	—	—	—	25	4.2	64.5	—	—	—	—

GROWTH OF THE ALBINO RAT.

TABLE 37.

Actual and Relative Weights of Females while Suckling Litters of Different Sizes.

Litter Size.	Num-ber.	Actual Weights in g. at.				Relative Weights Per Cent. at			
		Birth.	2 Weeks.	3 Weeks.	4 Weeks.	Birth.	2 Weeks.	3 Weeks.	4 Weeks.
2.....	6	262	283	287	280	100	107.8	109.5	106.8
3.....	10	275	294	289	275	100	106.9	105.3	100.0
4.....	15	277	278	281	264	100	108.5	109.6	102.9
5.....	10	257	267	267	259	100	103.9	103.9	100.7
6.....	23	261	283	278	271	100	108.5	106.5	103.9
7.....	16	267	286	277	271	100	106.9	103.6	101.2
8.....	16	265	280	277	271	100	105.7	104.5	102.2
9.....	18	265	278	273	258	100	104.6	103.1	97.2
10.....	5	267	282	272	260	100	105.8	101.8	97.3
11.....	4	267	284	274	270	100	106.2	102.3	100.8
2-11.....	123	252	268	265	255	100	106.6	105.1	101.3
2-3.....	16	270	290	288	277	100	107.2	106.8	102.5
4-5.....	25	257	274	275	262	100	106.7	107.3	102.0
6-7.....	39	264	284	277	271	100	107.8	105.3	102.8
8-9.....	34	265	279	275	264	100	105.1	103.7	99.5
10-11.....	9	267	283	272	264	100	106.0	102.0	98.9

TABLE 38.
Number of Days Females were with Males and the Breeding of the Different Classes of Females.

Number of Days with Males.	Number of Fe-males.	Average Age (Mths.)	Average Weight (g.)	Number of Young Born per Litter.			Number of Young Weaned per Litter.			Average Weight at Birth in g.			Average Weight at Weaning g.			Percentage Weaned.
				Males.	Fe-males.	Both.	Males.	Fe-males.	Both.	Males.	Fe-males.	Both.	Males.	Fe-males.	Both.	
21-22.....	7	5.0	258	3.86	2.29	6.14	3.57	1.86	5.43	5.25	5.07	5.18	48.2	55.4	50.6	88
23-24.....	57	6.7	270	3.53	3.96	7.49	3.3	3.74	7.04	5.14	5.0	5.07	51.3	48.5	49.8	94
25-26.....	48	6.3	269	3.4	3.52	6.92	2.83	2.96	5.78	5.36	5.06	5.21	60.7	57.4	59.0	84
27-28.....	28	6.0	265	2.93	3.86	6.79	2.46	3.54	6.0	5.29	5.04	5.15	56.2	54.2	55.0	88
29-30.....	20	4.8	260	4.1	3.95	8.05	2.79	2.89	5.68	5.30	4.98	5.15	52.4	48.8	50.5	71
31-32.....	11	6.7	264	3.64	4.18	7.82	3.55	3.55	7.09	5.31	5.17	5.24	67.4	63.0	65.2	91
33-34.....	14	8.6	262	2.86	3.21	6.07	2.71	3.0	5.71	5.58	5.03	5.29	64.7	54.8	59.5	94
35.....	16	7.2	279	3.69	4.13	7.81	3.19	3.63	6.81	5.22	5.07	5.14	55.8	50.2	52.8	87

GROWTH OF THE ALBINO RAT.

TABLE 39.

Number of Days that Females were with Males during Different Months.

Month.	Number of Observations.	Number of Days (Actual).	Number of Days (Smoothed.)
January.....	39	26.5	26.2
February.....	22	26.0	27.3
March.....	27	29.7	28.4
April.....	5	32.2	29.9
May.....	10	29.4	29.3
June.....	29	28.7	29.1
July.....	8	30.0	28.3
August.....	11	25.7	27.6
September.....	18	27.8	26.5
October.....	9	24.8	27.2
November.....	7	28.9	26.2
December.....	16	25.8	26.6
Total.....	201	5555	
Average.....		27.6	

TABLE 40.

Litter Sizes and Birth Weights of the Rats during Different Years.

Year.	Number of Litters.	Males.		Females.		Both Sexes.			Sex Ratio.
		Number.	Average Weight g.	Number.	Average Weight g.	Number.	Average per Litter.	Average Weight g.	
1933-34.....	64	255	5.31	261	5.06	516	8.06	5.19	98
1934-35.....	46	163	5.24	159	5.01	322	7.0	5.13	103
1935-36.....	59	183	5.25	207	4.97	390	6.61	5.10	88
1936-37.....	108	398	5.07	426	4.86	824	7.63	4.96	93
All Rats.....	277	999	5.19	1,053	4.95	2,052	7.41	5.07	95

TABLE 41.
Litter Sizes and Birth Weights of Rats during the Different Months.

Month.	Number of Litters.	MALES.		FEMALES.		BOTH SEXES (Actual).			BOTH SEXES (Smoothed.)		Sex Ratio.
		Number.	Average Weight. g.	Number.	Average Weight. g.	Number.	Average per Litter.	Average Weight. g.	Average per Litter.	Average Weight. g.	
January.....	32	116	5.13	116	4.92	232	7.3	5.03	7.4	5.07	100
February.....	23	114	5.28	126	4.94	240	7.3	5.1	7.4	4.98	90
March.....	32	122	4.95	127	4.72	249	7.8	4.83	7.6	5.04	96
April.....	21	87	5.34	76	5.16	163	7.8	5.26	7.8	5.06	114
May.....	7	22	5.6	32	5.49	54	7.7	5.53	7.4	4.41	69
June.....	11	32	5.75	38	5.63	70	6.4	5.68	6.8	5.26	84
July.....	32	103	5.19	115	4.94	218	6.8	5.05	6.9	5.17	90
August.....	23	87	5.25	80	4.95	167	7.3	5.11	7.1	5.04	109
September.....	15	54	4.96	59	4.85	113	7.5	4.9	7.2	5.04	92
October.....	34	128	5.2	112	4.9	240	7.1	5.06	7.6	4.99	114
November.....	19	71	5.07	92	4.83	163	8.6	4.93	7.7	5.03	77
December.....	18	63	5.26	80	4.98	143	7.9	5.1	7.8	5.02	79

GROWTH OF THE ALBINO RAT.

TABLE 42.

Time of Year and Percentage of Young Weaned.

Month.	Number of Litters.	Average Number (Actual) at		Average Number (Smoothed) at		Percentage Weaned.	
		Birth.	4 Weeks.	Birth.	4 Weeks.	Actual.	Smoothed.
January.....	32	7.3	6.1	7.5	6.4	83.6	85.2
February.....	29	7.3	6.6	7.4	6.5	89.7	87.6
March.....	23	7.6	6.8	7.5	6.7	90.2	89.9
April.....	21	7.5	6.8	7.6	6.8	89.0	90.4
May.....	7	7.7	7.1	7.2	6.6	92.6	91.5
June.....	11	6.4	6.0	6.9	5.8	94.3	83.8
July.....	26	6.8	5.3	7.0	5.8	76.9	83.0
August.....	17	7.6	6.5	7.3	5.8	85.3	79.3
September.....	11	7.7	5.8	7.6	6.1	75.3	79.5
October.....	27	7.6	5.9	7.9	6.2	77.6	78.4
November.....	19	8.6	6.9	8.1	6.5	81.0	79.4
December.....	15	8.5	6.9	7.9	6.5	80.5	82.0

TABLE 43.

Average Weights of Young before Weaning: Different Years.

Year.	MALES.				FEMALES.			
	Number.	2 Weeks. g.	3 Weeks. g.	4 Weeks. g.	Number.	2 Weeks. g.	3 Weeks. g.	4 Weeks. g.
1933-34.....	192	25.6	38.7	60.2	200	24.0	36.5	56.6
1934-35.....	104	26.5	38.9	59.9	104	24.3	37.4	55.5
1935-36.....	92	22.2	34.9	53.0	112	21.1	32.6	49.8
1936-37.....	294	21.8	34.6	53.9	291	21.1	33.3	51.3

TABLE 44.
Average Weights before Weaning of Young Born during Different Months.
Males.

Month.	Number.	ACTUAL WEIGHTS g.				SMOOTHED WEIGHTS g.				RELATIVE WEIGHTS (Smoothed) Percentage.				RELATIVE WEIGHTS (Actual) Percentage.			
		2 Weeks.	3 Weeks.	4 Weeks.		2 Weeks.	3 Weeks.	4 Weeks.		2 Weeks.	3 Weeks.	4 Weeks.		2 Weeks.	3 Weeks.	4 Weeks.	
January.....	92	24.9	39.9	59.7	24.4	38.6	59.6		104	106	105		106	109	106	106	
February.....	87	24.1	37.9	59.0	23.6	37.2	56.6		100	102	100		103	104	104	104	
March.....	82	21.8	33.6	50.8	23.2	36.2	55.1		99	99	98		93	92	90	90	
April.....	70	22.5	35.0	52.6	23.1	35.7	53.5		98	98	95		96	96	93	93	
May.....	13	27.4	41.2	63.5	24.9	38.0	58.6		106	104	104		117	113	112	112	
June.....	36	25.3	37.8	61.9	25.2	38.1	60.8		107	104	108		108	104	110	110	
July.....	72	24.8	37.7	59.8	24.9	37.0	60.4		106	101	107		106	103	106	106	
August.....	55	24.7	35.3	60.3	24.6	36.7	59.0		105	101	104		105	97	107	107	
September.....	21	23.8	36.5	53.3	23.1	35.4	55.9		98	97	99		101	100	94	94	
October.....	65	21.5	34.9	53.0	22.0	34.6	52.7		94	95	93		91	96	94	94	
November.....	58	22.0	33.6	52.2	22.2	34.8	54.3		94	95	96		94	92	92	92	
December.....	31	24.0	37.1	61.0	23.9	37.4	57.5		102	102	102		102	102	108	108	

GROWTH OF THE ALBINO RAT.

TABLE 44 (continued).
Females.

Month.	Number.	ACTUAL WEIGHTS. g.			SMOOTHED WEIGHTS g.			RELATIVE WEIGHTS (Smoothed) Percentage.			RELATIVE WEIGHTS (Actual) Percentage.		
		2 Weeks.	3 Weeks.	4 Weeks.	2 Weeks.	3 Weeks.	4 Weeks.	2 Weeks.	3 Weeks.	4 Weeks.	2 Weeks.	3 Weeks.	4 Weeks.
January.....	89	23.1	37.1	55.3	22.3	35.6	54.8	99	103	103	103	108	104
February.....	98	22.0	34.9	54.1	22.5	35.5	53.6	100	103	101	101	101	102
March.....	68	22.6	34.1	50.6	22.4	34.7	52.4	100	101	99	99	100	95
April.....	59	22.8	35.2	51.9	23.0	35.0	51.7	102	101	98	98	101	98
May.....	22	24.8	37.0	55.0	23.2	35.1	52.3	103	102	99	99	110	104
June.....	39	22.9	33.9	51.6	25.0	37.2	57.3	111	108	108	108	102	97
July.....	71	26.2	39.1	61.1	24.6	36.6	57.2	109	106	108	108	113	116
August.....	44	23.5	35.0	56.0	24.5	36.6	57.2	109	106	108	108	101	106
September.....	33	22.3	33.3	50.4	21.2	32.7	50.8	94	95	96	96	99	95
October.....	69	19.1	30.9	47.7	20.0	31.6	48.9	89	92	92	92	85	90
November.....	72	19.8	31.4	49.3	19.9	31.8	50.1	88	92	95	95	88	93
December.....	43	21.5	33.9	55.3	21.6	34.4	53.2	96	100	100	100	96	104

TABLE 45.
Average and Relative Weights of Females Suckling Young during Different Months.

Month.	Num-ber of Ob-serva-tions.	AVERAGE WEIGHT. g.				AVERAGE WEIGHT. (Smoothed.)				RELATIVE WEIGHT. Percentage.				RELATIVE WEIGHT. (Smoothed) Percentage.			
		Birth.	2 Wks.	3 Wks.	4 Wks.	Birth.	2 Wks.	3 Wks.	4 Wks.	Birth.	2 Wks.	3 Wks.	4 Wks.	Birth.	2 Wks.	3 Wks.	4 Wks.
January.....	13	252	276	269	265	265	286	276	267	100	110	107	105	100	108	104	101
February.....	17	277	296	286	271	260	282	275	265	100	107	103	98	100	109	106	102
March.....	10	241	266	262	253	268	286	281	269	100	110	109	105	100	107	105	100
April.....	16	276	289	287	277	265	280	277	267	100	105	104	100	100	106	105	101
May.....	4	281	281	277	261	271	282	279	270	100	100	99	93	100	104	103	100
June.....	6	250	262	259	256	249	265	262	255	100	105	104	102	100	106	105	102
July.....	14	240	261	260	253	251	270	270	261	100	109	109	105	100	108	107	104
August.....	7	274	294	299	282	252	273	273	263	100	107	109	103	100	108	108	104
September.....	2	264	287	278	268	281	299	289	285	100	109	106	102	100	106	107	102
October.....	10	289	305	304	290	276	291	286	273	100	106	105	101	100	105	104	99
November.....	9	265	276	268	254	273	288	281	269	100	104	101	96	100	106	103	99
December.....	7	259	278	267	259	258	277	268	260	100	107	103	100	100	107	104	101

TABLE 46.

Average Ages of Rats of Different Weight Classes when Vaginas Open and Distribution during Different Years.

Weight. g.	1933-34.			1934-35.			1935-36.			1936-37.			ALL YEARS.		
	Num- ber.	Per- cent- age.	Aver- age Age. Days.	Num- ber.	Per- cent- age.	Aver- age Age. Days.	Num- ber.	Per- cent- age.	Aver- age Age. Days.	Num- ber.	Per- cent- age.	Aver- age Age. Days.	Num- ber.	Per- cent- age.	Aver- age Age. Days.
60-69.....	1	—	—	—	—	—	2	1.8	38.0	8	2.8	36.8	10	1.5	37.0
70-79.....	3	1.8	40.3	1	1.1	31.0	13	11.7	38.2	23	8.1	35.9	40	6.2	36.9
80-89.....	20	12.2	42.1	13	14.3	39.5	22	19.8	40.4	75	26.5	40.3	130	20.0	40.5
90-99.....	26	15.9	42.7	12	13.2	43.1	25	22.5	41.7	68	24.0	42.0	131	20.2	42.2
100-109.....	51	31.1	46.3	36	39.6	42.6	27	24.3	44.1	67	23.7	45.5	181	27.9	44.9
110-119.....	37	22.6	49.1	19	20.9	45.2	14	12.6	49.1	29	10.2	45.5	99	15.3	47.3
120-129.....	14	8.5	53.6	7	7.7	45.3	5	4.5	47.8	9	3.2	54.3	35	5.4	51.3
130-139.....	13	8.1	57.2	3	3.3	56.7	3	2.7	52.7	4	1.4	54.3	23	3.5	56.0

TABLE 47.
*Average weights of Rats of Different Age Classes when Vaginas Open
 and Distribution during Different Years.*

Age, Weeks.	1933-34.			1934-35.			1935-36.			1936-37.			ALL YEARS.		
	Num- ber.	Per- centage.	Average Weight, g.	Num- ber.	Per- centage.	Average Weight, g.	Num- ber.	Per- centage.	Average Weight, g.	Num- ber.	Per- centage.	Average Weight, g.	Num- ber.	Per- centage.	Average Weight, g.
4....	3	1.8	86.3	3	3.3	80.7	8	7.2	79.0	26	9.2	77.3	40	6.2	78.6
5....	31	18.9	92.4	30	33.6	98.1	41	36.9	91.8	105	37.1	92.1	207	31.9	92.9
6....	71	43.3	104.5	52	57.1	107.3	42	37.8	99.5	111	39.2	97.8	276	42.5	101.6
7....	47	28.7	112.7	5	5.5	118.4	17	15.3	111.8	32	11.3	106.9	101	15.6	111.0
8....	9	5.5	122.1	—	—	—	3	2.7	114.3	—	—	105.8	17	2.6	116.0
9....	—	—	—	1	1.1	138.0	—	—	—	4	1.4	127.8	5	0.8	129.8
10....	3	1.8	132.0	—	—	—	—	—	—	—	—	—	3	0.5	132.0

GROWTH OF THE ALBINO RAT.

TABLE 48.

Average Ages and Weights when Vaginas Opened in Rats Born during Different Months.

Month.	Number.	AGE (Days).		WEIGHT g.	
		Actual.	Smoothed.	Actual.	Smoothed.
January.....	89	42.5	43.3	99.5	99.8
February.....	97	43.2	44.1	99.9	101.0
March.....	63	47.8	45.2	104.6	98.6
April.....	59	45.7	45.7	90.0	97.4
May.....	22	40.0	45.3	96.7	96.7
June.....	38	47.9	42.3	107.2	101.7
July.....	71	40.0	43.0	100.4	102.3
August.....	23	44.1	41.8	100.5	100.9
September.....	33	44.2	44.3	102.2	96.3
October.....	58	44.5	44.2	91.3	94.7
November.....	60	43.9	44.5	94.0	94.4
December.....	36	45.5	43.5	100.2	97.8

TABLE 49.

Average Actual and Smoothed Weights of Males and Females.

Age. (Weeks.)	MALES.				FEMALES.			
	Number of Observations.	Actual Weight.	Smoothed Weight.	Weekly Gain.	Number of Observations.	Actual Weight.	Smoothed Weight.	Weekly Gain.
		g.	g.	g.		g.	g.	g.
Birth.....	743	5.21	5.2	—	779	4.98	5.0	—
1.....	—	—	13.5	8.3	—	—	13.0	8
2.....	671	23.6	23.5	10.0	707	22.4	22.5	9.5
3.....	682	36.5	36.5	13.0	707	34.7	34.5	12.0
4.....	682	56.5	56.5	20.0	707	53.2	53.0	18.5
5.....	682	82.5	82.5	26.0	707	75.4	75.5	22.5
6.....	671	109.6	109.5	27.0	695	96.3	96.5	21.0
7.....	671	136.9	137.0	27.5	695	114.0	114.0	17.5
8.....	671	163.6	164.0	27.0	695	128.9	129.0	15.0
9.....	682	186.4	186.5	22.5	707	141.2	141.0	12.0
10.....	671	204.4	204.5	18.0	695	150.9	151.0	10.0
11.....	682	220.6	220.5	16.0	707	159.6	160.0	9.0
12.....	677	234.0	234.0	13.5	692	167.0	167.0	7.0
13.....	677	246.0	246.0	12.0	691	173.0	173.0	6.0
14.....	677	257.0	257.0	11.0	688	177.8	178.0	5.0
15.....	672	267.1	267.0	10.0	678	181.4	182.0	4.0
16.....	672	276.9	276.0	9.0	692	186.0	185.5	3.5
17.....	498	285.6	284.0	8.0	535	190.0	188.5	3.0
18.....	420	296.1	291.0	7.0	437	194.4	191.5	3.0
19.....	372	306.0	297.5	6.5	394	196.9	194.0	2.5
20.....	372	313.2	304.0	6.5	394	199.7	196.0	2.0

TABLE 50.
Average Weights of Rats at Wistar and Edinburgh (Wistar Strain).

HAIN (1934) Edinburgh.			GREENMAN AND DUHRING (1931) WISTAR.		
Age. (Days.)	Males.	Females.	Age. (Weeks.)	Males.	Females.
	g.	g.		g.	g.
17- 19.....	29.7	29.0	Birth.....	5.80	5.67
20- 29.....	35.4	35.7	2.....	20.5	20.5
30- 39.....	57.8	55.6	3.....	30.5	30.5
40- 49.....	83.6	82.0	4.....	43.4	48.0
50- 59.....	110.7	108.4	5.....	71	71
60- 69.....	141.8	130.6	6.....	94	88
70- 79.....	179.0	150.9	7.....	119	105
80- 89.....	209.4	165.9	8.....	140	121
90- 99.....	241.6	180.0	9.....	159	134
100-109.....	264.0	191.1	10.....	176	145
110-129.....	290.8	205.0	11.....	193	156
130-149.....	300.0	208.0	12.....	208	166
			13.....	221	173
			14.....	233	179
			15.....	243	183
			16.....	250	186
			17.....	256	188
			18.....	263	190
			19.....	268	192
			20.....	272	193

TABLE 51.
Average Actual and Smoothed Tail Lengths of Males and Females.

Age (Weeks.)	MALES.				FEMALES.			
	Num- ber.	Actual Length. mm.	Smooth- ed Length. mm.	Weekly Gain. mm.	Num- ber.	Actual Length. mm.	Smooth- ed Length. mm.	Weekly Gain. mm.
2.....	643	47.7	47.7	—	674	48.5	48.5	—
3.....	661	70.3	70.3	22.6	682	71.7	71.7	23.2
4.....	662	93.4	93.4	23.1	685	95.7	95.7	24.0
5.....	665	114.5	114.5	21.1	690	116.7	116.7	21.0
6.....	658	132.5	132.5	18.0	681	133.1	133.1	16.4
7.....	658	147.5	147.5	15.0	681	146.1	146.1	13.0
8.....	658	159.5	159.5	12.0	681	155.5	155.5	9.4
9.....	669	168.1	168.1	8.6	693	162.3	162.3	6.8
10.....	658	174.1	174.1	6.0	681	166.6	166.6	4.3
11.....	669	178.7	178.7	4.6	692	170.0	170.0	3.4
12.....	659	182.3	182.3	3.6	676	172.5	172.5	2.5
13.....	659	185.2	185.2	2.9	675	174.6	174.6	2.1
14.....	659	187.6	187.6	2.4	672	176.2	176.2	1.6
15.....	654	189.6	189.6	2.0	662	177.7	177.7	1.5
16.....	654	191.5	191.5	1.9	676	179.1	179.1	1.4
17.....	532	193.5	193.0	1.5	547	180.8	180.3	1.3
18.....	427	195.7	194.3	1.3	427	182.9	181.2	0.9
19.....	413	196.9	195.5	1.2	416	183.8	182.0	0.8
20.....	413	198.2	196.7	1.2	416	184.6	182.8	0.8

GROWTH OF THE ALBINO RAT.

TABLE 52.
Average Actual and Relative Weights during the Different Years.
Males.

Year.....	STANDARD.		1933-34.		1934-35.		1935-36.		1936-37.	
	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.
Number of Observations.....	—		192		104		92		294	
Age. (Weeks.)										
2.....	23.5	100	25.6	109	26.5	113	22.2	94	21.8	93
3.....	36.5	100	38.7	106	38.9	107	34.9	96	34.6	95
4.....	56.5	100	60.2	107	59.9	106	53.0	94	53.9	95
5.....	82.5	100	84.8	103	86.9	105	80.7	98	79.9	97
6.....	109.5	100	108.0	99	116.9	107	111.0	101	108.0	99
7.....	137.0	100	132.1	96	145.6	106	141.9	104	135.6	99
8.....	164.0	100	156.2	95	173.9	106	172.4	105	162.5	99
9.....	186.5	100	177.1	95	197.1	106	196.8	106	185.5	99
10.....	204.5	100	194.2	95	216.6	106	216.7	106	203.2	99
11.....	220.5	100	209.5	95	231.7	105	236.1	107	219.0	99
12.....	234.0	100	223.8	96	244.8	105	250.6	107	231.9	99
13.....	246.0	100	235.2	96	256.5	104	265.7	108	243.6	99
14.....	257.0	100	246.1	96	267.5	104	277.3	108	254.5	99
15.....	267.0	100	256.0	96	277.7	104	288.3	108	264.2	99
16.....	276.0	100	266.1	96	287.4	104	297.9	108	273.8	99

TABLE 52 (continued).
Females.

Year.....	STANDARD.		1933-34.		1934-35.		1935-36.		1936-37.	
	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.	Actual. g.	Relative. Per Cent.
Number of Observations.....	—		200		104		112		291	
Agc. (Weeks.)										
2.....	22.5	100	24.0	107	24.3	108	21.1	94	21.1	94
3.....	34.5	100	36.5	106	37.4	108	32.6	94	33.3	97
4.....	53.0	100	56.6	107	55.5	105	49.8	94	51.3	97
5.....	75.5	100	77.6	103	78.8	104	73.1	97	73.7	98
6.....	96.5	100	95.4	99	102.6	106	96.3	100	94.9	98
7.....	114.0	100	110.8	97	120.1	105	115.2	101	113.8	100
8.....	129.0	100	123.8	96	134.4	104	132.1	102	129.6	100
9.....	141.0	100	135.2	96	145.6	103	145.0	103	142.4	101
10.....	151.0	100	143.9	95	156.0	103	155.6	103	152.3	101
11.....	160.0	100	152.1	95	164.1	103	164.9	103	161.0	101
12.....	167.0	100	160.3	96	171.6	103	172.1	103	168.3	101
13.....	173.0	100	166.1	96	176.6	102	179.3	104	174.3	101
14.....	178.0	100	171.0	96	181.1	102	183.6	103	179.1	101
15.....	182.0	100	174.6	96	184.8	102	187.0	103	183.1	101
16.....	185.5	100	178.9	96	189.5	102	191.6	103	187.5	101

GROWTH OF THE ALBINO RAT.

TABLE 53.
Average Actual and Relative Tail Lengths during the Different Years.
Males.

Year.....	STANDARD.		1933-34.		1934-35.		1935-36.		1936-37.	
	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.
Number of Observations.....	—		192		104		92		294	
Age. (Weeks.)										
2.....	4.77	100	4.88	102	5.13	108	4.45	93	4.68	98
3.....	7.03	100	7.38	105	7.45	106	6.64	94	6.77	96
4.....	9.34	100	9.86	106	10.03	107	8.75	94	8.94	96
5.....	11.45	100	11.93	104	12.29	107	10.86	95	11.02	96
6.....	13.25	100	13.53	102	14.17	107	12.92	98	12.87	97
7.....	14.75	100	14.83	101	15.59	106	14.61	99	14.46	98
8.....	15.95	100	15.91	100	16.69	105	15.9	100	15.76	99
9.....	16.81	100	16.71	99	17.44	104	16.83	100	16.65	99
10.....	17.41	100	17.33	100	17.99	103	17.5	101	17.24	99
11.....	17.87	100	17.77	99	18.41	103	18.03	101	17.7	99
12.....	18.23	100	18.13	99	18.74	103	18.4	101	18.07	99
13.....	18.52	100	18.40	99	19.03	103	18.76	101	18.36	99
14.....	18.76	100	18.67	100	19.23	103	18.99	101	18.6	99
15.....	18.96	100	18.87	100	19.41	102	19.22	101	18.8	99
16.....	19.15	100	19.05	99	19.59	102	19.41	101	18.98	99

TABLE 53 (continued).
Females.

Year,	STANDARD.		1933-34.		1934-35.		1935-36.		1936-37.	
	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.	Actual. cm.	Relative. Per Cent.
Number of Observations	—		200		104		112		291	
Age. (Weeks.)										
2.....	4.85	100	4.87	100	5.22	108	4.57	94	4.81	99
3.....	7.17	100	7.42	103	7.64	107	6.77	94	6.99	97
4.....	9.57	100	9.95	104	10.15	106	9.09	95	9.28	97
5.....	11.67	100	12.02	103	12.35	106	11.23	96	11.35	97
6.....	13.31	100	13.49	101	14.01	105	13.12	99	13.04	98
7.....	14.61	100	14.65	100	15.27	105	14.53	99	14.4	99
8.....	15.55	100	15.49	100	16.08	103	15.61	100	15.41	99
9.....	16.23	100	16.11	99	16.61	102	15.35	101	16.11	99
10.....	16.66	100	16.55	99	17.05	102	16.84	101	16.55	99
11.....	17.0	100	16.87	99	17.32	102	17.16	101	16.91	99
12.....	17.25	100	17.12	99	17.57	102	17.43	101	17.17	100
13.....	17.46	100	17.31	99	17.74	102	17.67	101	17.38	100
14.....	17.62	100	17.48	99	17.9	102	17.83	101	17.55	100
15.....	17.77	100	17.64	99	18.0 ²	102	18.0	101	17.69	100
16.....	17.91	100	17.78	99	18.17	101	18.13	101	17.82	99

GROWTH OF THE ALBINO RAT.

TABLE 54.
Average Weights of Rats or Different Ages during Different Months.
Males.

Month.	4 WEEKS.				8 WEEKS.				12 WEEKS.				16 WEEKS.			
	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.
January	25	62.1	58.3	103	20	180.1	159.2	97	95	219.0	224.9	96	11	281.5	269.8	98
February	94	59.4	59.7	106	23	158.0	164.1	100	18	244.7	220.5	94	95	254.1	261.2	95
March	85	59.3	56.6	100	109	162.5	163.1	99	40	213.1	227.2	97	18	286.8	257.5	93
April	82	50.8	54.4	96	70	165.6	159.1	97	110	229.4	225.2	96	40	252.5	268.0	97
May	72	52.8	52.5	93	82	149.0	159.0	97	52	225.6	226.2	97	110	270.5	266.5	97
June	11	64.3	55.8	99	78	163.6	157.5	96	82	222.2	232.4	99	86	267.8	270.4	98
July	37	59.1	59.9	106	7	189.7	164.8	100	78	247.6	234.4	100	62	273.7	277.0	100
August	78	59.7	59.8	106	48	163.0	175.5	107	75	232.7	244.3	104	64	292.5	283.0	103
September	47	60.5	59.0	104	65	183.3	173.7	106	40	242.2	253.8	108	15	280.7	293.0	106
October	21	53.3	54.9	97	52	171.6	175.5	107	66	265.7	252.6	108	47	298.1	299.4	108
November	83	52.1	52.3	93	22	162.0	161.2	98	51	243.8	253.8	108	59	305.2	300.1	109
December	34	52.5	53.9	95	85	164.6	159.9	98	17	237.2	228.7	98	52	296.1	299.2	108

TABLE 55.
Average Weights of rats born during Different Months at Different Ages.
Males.

Month.	4 WEEKS.				8 WEEKS.				12 WEEKS.				16 WEEKS.			
	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.	Number.	Average Weight.	Smoothed Weight.	Relative Weight.
	g.	g.	g.	%	g.	g.	g.	%	g.	g.	g.	%	g.	g.	g.	%
January.....	92	59.7	59.6	105	92	160.7	162.7	99	92	221.5	224.2	96	92	260.6	265.7	96
February.....	87	59.0	56.6	100	87	167.0	159.1	97	87	232.9	225.5	96	87	277.6	268.7	97
March.....	82	50.8	54.3	96	82	149.0	158.9	97	82	222.2	232.8	99	82	268.3	278.1	101
April.....	70	52.6	52.5	93	70	160.4	157.2	96	70	245.1	235.1	100	70	290.1	279.7	101
May.....	13	63.5	56.6	100	13	191.6	166.6	102	13	262.2	245.5	105	13	296.1	290.1	105
June.....	36	61.9	60.8	108	36	169.6	177.5	108	36	240.2	256.1	109	36	287.8	300.6	109
July.....	72	59.8	60.4	107	72	179.0	173.6	106	72	263.0	250.8	107	72	307.8	298.1	108
August.....	55	60.3	59.0	104	55	169.2	174.7	107	55	241.8	254.0	109	50	291.4	301.4	109
September.....	21	53.3	55.9	99	21	174.4	163.1	99	16	255.6	235.6	101	16	303.8	277.3	100
October.....	65	53.0	52.7	93	65	154.4	160.9	98	65	225.3	227.6	97	65	260.0	266.2	96
November.....	58	52.2	54.3	96	47	163.9	158.0	96	58	222.4	220.8	94	58	262.9	258.5	94
December.....	31	61.0	57.5	102	31	156.8	160.8	98	31	208.0	219.5	94	31	247.2	259.0	94

GROWTH OF THE ALBINO RAT.

TABLE 55 (continued).
Females.

Month.	4 WEEKS.				8 WEEKS.				12 WEEKS.				16 WEEKS.			
	Number.	Average Weight. g.	Smoothed Weight. g.	Relative Weight. %	Number.	Average Weight. g.	Smoothed Weight. g.	Relative Weight. %	Number.	Average Weight. g.	Smoothed Weight. g.	Relative Weight. %	Number.	Average Weight. g.	Smoothed Weight. g.	Relative Weight. %
January.....	89	55.3	54.8	103	89	131.3	129.4	100	89	165.7	164.3	98	89	181.9	181.6	98
February.....	98	54.1	53.6	101	98	131.7	130.2	100	98	167.4	166.8	100	98	185.9	185.2	100
March.....	68	50.6	52.4	99	68	126.8	128.3	99	68	167.4	167.2	100	68	188.5	187.2	101
April.....	59	51.9	51.7	98	59	124.6	127.8	99	59	166.6	168.0	101	59	187.9	188.7	102
May.....	22	55.0	52.3	99	22	139.2	127.9	99	22	173.5	167.5	100	22	191.5	189.1	102
June.....	39	51.6	57.3	108	39	126.3	138.2	107	39	165.6	178.1	107	39	189.6	198.8	107
July.....	71	61.1	57.2	108	71	144.4	136.0	105	71	186.4	176.2	106	61	207.3	196.6	106
August.....	44	56.0	57.2	108	44	131.2	137.9	107	44	169.2	179.2	107	41	187.2	197.8	107
September.....	33	50.4	50.8	96	33	132.8	125.3	97	18	175.5	164.6	99	32	193.3	183.5	99
October.....	69	47.7	48.9	92	69	117.9	122.6	95	69	158.8	161.1	96	68	176.7	180.8	97
November.....	72	49.3	50.1	95	60	122.5	120.1	93	72	159.7	158.2	95	72	179.2	176.4	95
December.....	43	55.3	53.2	100	43	120.3	126.1	98	43	154.6	161.3	97	43	171.2	178.7	96

TABLE 56.
Average Actual and Relative Weights of Rats
Males.

Month.....	Standard.		January.		February.		March.		April.		May.	
No. of Obsers.....	—		92		87		82		70		13	
	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.
Birth.....	5.2	—	—	—	—	—	—	—	—	—	—	—
1.....	13.5	—	—	—	—	—	—	—	—	—	—	—
2.....	23.5	100	24.9	106	24.1	103	21.8	93	22.5	96	27.4	117
3.....	36.5	100	39.9	109	37.9	104	33.6	92	35.0	96	41.2	113
4.....	56.6	100	59.7	106	59.0	104	50.8	90	52.6	93	63.5	112
5.....	82.5	100	86.6	105	84.6	103	75.8	92	76.5	93	95.6	116
6.....	109.5	100	111.4	102	110.4	101	100.2	92	105.0	96	128.5	117
7.....	137.0	100	136.1	99	140.1	102	124.0	91	131.9	96	159.1	116
8.....	164.0	100	160.7	98	167.0	102	149.0	91	160.4	98	191.5	117
9.....	186.5	100	180.7	97	188.3	101	171.9	92	187.0	100	216.5	116
10.....	204.5	100	197.0	96	205.7	101	189.9	93	208.8	102	235.2	115
11.....	220.5	100	209.8	95	220.7	100	209.2	95	228.9	104	251.3	114
12.....	234.0	100	221.5	95	232.9	100	222.2	95	245.1	105	262.2	112
13.....	246.0	100	234.4	95	245.3	100	234.7	95	259.1	105	276.9	113
14.....	257.0	100	243.4	95	256.4	100	246.8	96	269.9	105	286.1	111
15.....	267.0	100	252.8	95	268.1	100	256.8	96	281.5	105	293.5	110
16.....	276.0	100	260.6	94	277.6	101	268.3	97	290.1	105	296.1	107
17.....	284.0	100	267.8	94	283.7	100	277.6	98	298.9	105	307.8	108
18.....	291.0	100	—	—	291.7	100	286.4	98	307.4	106	318.0	109
19.....	297.5	100	—	—	299.1	101	294.8	99	314.6	106	326.4	110
20.....	304.0	100	—	—	305.9	101	302.1	99	323.7	106	335.7	110



TABLE 56.
Weights of Rats Born during the Different Months.
Males.

June.		July.		August.		September.		October.		November.		December.	
36		72		55		21		65		58		31	
Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.	Actual Weight. g.	Relative Weight. Per Cent.
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
25.3	108	24.8	106	24.7	105	23.8	101	21.5	91	22.0	94	24.0	102
37.8	104	37.7	103	35.5	97	36.5	100	34.9	96	33.6	92	37.1	102
61.9	110	59.8	106	60.3	107	53.3	94	53.0	94	52.2	92	61.0	108
85.9	104	90.1	109	85.5	104	83.5	101	74.8	91	77.0	93	88.1	107
115.0	105	120.8	110	111.2	102	112.3	103	99.9	91	109.3	100	114.4	104
143.0	104	150.2	110	139.5	102	143.8	105	126.7	92	138.4	101	137.5	100
169.6	103	179.0	109	169.2	103	174.4	106	154.4	94	163.9	100	156.8	96
189.2	101	206.1	111	190.8	102	198.8	107	178.3	96	186.9	100	173.4	93
208.3	102	227.9	111	209.1	102	219.6	107	194.7	95	200.2	98	186.7	91
225.1	102	247.3	112	227.5	103	239.8	109	209.1	95	211.9	96	197.8	90
240.2	103	263.0	112	241.8	103	255.6	109	225.3	96	222.4	95	208.0	89
254.0	103	275.2	112	252.8	103	265.8	108	235.5	96	232.5	95	218.1	89
266.2	104	287.1	112	266.1	104	278.8	108	244.1	95	244.3	95	228.1	89
276.7	104	298.4	112	278.0	104	291.4	109	250.5	94	254.6	95	235.5	88
287.8	104	307.8	112	291.4	106	303.8	110	260.0	94	262.9	95	247.2	90
298.3	105	322.3	113	301.0	106	312.5	110	268.5	95	—	—	—	—
306.9	105	330.9	114	308.6	106	318.3	109	278.7	96	—	—	—	—
312.2	105	340.0	114	—	—	324.0	109	—	—	—	—	—	—
320.6	105	348.4	115	—	—	330.1	109	—	—	—	—	—	—

← 523-524a

GROWTH OF THE ALBINO RAT.

TABLE 56 (continued)

Females.

Month.....	Standard.		January.		February.		March.		April.		May.	
No. of Obsers.....	—		89		98		68		59		22	
	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.	Actual Weight. g.	Re- lative Weight. Per Cent.
Birth.....	5.0	—	—	—	—	—	—	—	—	—	—	—
1.....	13.5	—	—	—	—	—	—	—	—	—	—	—
2.....	22.5	100	23.1	103	22.0	98	22.6	100	22.8	101	24.8	110
3.....	34.5	100	37.1	108	34.9	101	34.1	99	35.2	102	37.0	107
4.....	53.0	100	55.3	104	54.1	102	50.6	95	51.9	98	55.0	104
5.....	75.5	100	79.7	106	76.6	101	72.9	97	72.0	95	80.3	106
6.....	96.5	100	100.4	104	98.9	102	93.1	96	93.2	97	105.7	110
7.....	114.0	100	117.7	103	116.1	102	109.5	96	110.8	97	123.9	109
8.....	129.0	100	131.3	102	131.7	102	126.8	98	124.6	97	139.2	108
9.....	141.0	100	142.1	101	143.5	102	139.8	99	136.8	97	149.8	106
10.....	151.0	100	150.3	100	152.8	101	149.8	99	147.8	98	159.9	106
11.....	160.0	100	158.0	99	160.9	101	159.0	99	157.9	99	168.3	105
12.....	167.0	100	165.7	99	167.4	100	167.4	100	166.6	100	173.5	104
13.....	173.0	100	171.0	99	173.1	100	174.7	101	173.2	100	181.2	105
14.....	178.0	100	175.8	99	177.7	100	180.1	101	177.6	100	184.9	104
15.....	182.0	100	178.5	98	182.1	100	183.8	101	183.8	101	190.0	104
16.....	185.5	100	181.9	98	185.9	100	188.5	102	187.9	101	191.5	103
17.....	188.5	100	187.7	100	189.4	100	192.2	102	191.0	101	196.7	104
18.....	191.5	100	191.2	100	192.5	101	195.3	102	194.7	102	201.7	105
19.....	194.0	100	193.7	100	194.3	100	198.4	102	195.6	101	205.5	106
20.....	196.0	100	194.2	99	196.3	100	201.1	103	199.7	102	209.8	117

525-526b



525-526a

TABLE 56 (continued).

Females.

June.		July.		August.		September.		October.		November.		December.	
39		71		44		33		69		72		43	
Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.	Actual Weight. g.	Re-lative Weight. Per Cent.
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
22.9	102	26.2	116	23.5	104	22.3	99	19.1	85	19.8	88	21.5	96
33.9	98	39.1	113	35.0	101	33.3	97	30.9	90	31.4	91	33.9	98
51.6	97	61.1	115	56.0	106	50.4	95	47.7	90	49.3	93	55.3	104
71.7	95	86.7	115	78.1	103	74.9	99	65.6	87	70.8	94	76.3	101
92.2	96	109.7	114	97.4	101	96.8	100	83.5	87	90.2	93	95.1	99
110.9	97	128.6	113	115.1	101	114.8	101	102.4	90	109.5	96	109.9	96
126.3	98	144.4	112	131.2	102	132.8	103	117.9	91	122.5	95	120.3	93
139.1	99	157.2	111	142.7	101	145.3	103	132.1	94	137.2	97	130.9	93
149.4	99	168.3	111	153.6	102	156.2	103	141.8	94	145.2	96	137.9	91
156.9	98	179.2	112	162.3	101	165.7	104	150.8	94	152.6	95	146.7	92
165.6	99	186.4	112	169.2	101	175.5	105	158.8	95	159.7	96	154.6	93
172.8	100	192.9	112	173.6	100	179.6	104	164.4	95	165.8	96	158.5	92
178.5	100	199.1	112	178.1	100	184.2	103	168.7	95	169.5	95	163.8	92
184.4	101	203.1	112	181.3	100	188.3	103	171.8	94	173.5	95	166.2	91
189.6	102	207.3	112	187.2	101	193.3	104	176.7	95	179.2	97	171.2	92
193.2	102	210.8	112	—	—	196.8	104	180.7	96	185.7	99	—	—
196.1	102	214.2	112	—	—	197.8	103	—	—	—	—	—	—
198.3	102	217.9	112	—	—	198.8	102	—	—	—	—	—	—
203.3	104	219.9	112	—	—	201.5	103	—	—	—	—	—	—

← 525-526a

525-526b

TABLE 58.

*Average Actual and Relative Tail Lengths of Rats Born
Males.*

Month.....	Standard.		January.		February.		March.		April.		May.	
Number of Observations.....	—		87		85		82		70		13	
	Actual Length. cm.	Re- lative Length. Per Cent.	Actual Length. cm.	Re- lative Length. Per Cent.	Actual Length. cm.	Re- lative Length. Per Cent.	Actual Length. cm.	Re- lative Length. Per Cent.	Actual Length. cm.	Re- lative Length. Per Cent.	Actual Length. cm.	Re- lative Length. Per Cent.
2.....	4.77	100	5.0	106	4.7	99	4.7	99	4.6	96	5.1	107
3.....	7.03	100	7.6	108	7.2	102	6.7	96	6.8	97	7.4	105
4.....	9.34	100	10.1	108	9.7	104	8.8	94	8.8	95	9.2	99
5.....	11.45	100	12.2	107	12.0	105	10.8	94	10.7	93	11.3	99
6.....	13.25	100	13.9	105	13.7	104	12.5	95	12.6	95	13.5	102
7.....	14.75	100	15.2	103	15.2	103	14.0	95	14.3	97	15.1	103
8.....	15.95	100	16.2	102	16.3	102	15.3	96	15.6	98	16.5	104
9.....	16.81	100	16.9	101	17.1	102	16.2	96	16.6	99	17.3	103
10.....	17.41	100	17.4	100	17.6	101	16.8	96	17.4	100	17.9	103
11.....	17.87	100	17.8	100	18.0	101	17.3	97	17.9	100	18.4	103
12.....	18.23	100	18.1	99	18.3	100	17.7	97	18.3	100	18.8	103
13.....	18.52	100	18.3	99	18.6	100	18.0	97	18.7	101	19.0	103
14.....	18.76	100	18.6	99	18.8	100	18.3	97	18.9	101	19.3	103
15.....	18.96	100	18.8	99	19.0	100	18.5	97	19.2	101	19.5	103
16.....	19.15	100	18.9	99	19.2	100	18.7	97	19.4	101	19.7	103
17.....	19.3	100	19.0	99	19.3	100	18.8	98	19.5	101	19.8	103
18.....	19.43	100	—	—	19.4	100	19.0	98	19.7	101	20.0	103
19.....	19.55	100	—	—	19.6	100	19.1	98	19.8	101	20.2	103
20.....	19.67	100	—	—	19.7	100	19.3	98	20.0	101	20.3	103

527-528b



TABLE 58.

*s of Rats Born during the Different Months.**Males.*

June.		July.		August.		September.		October.		November.		December.	
35		69		55		21		65		58		29	
Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.
4.7	99	5.1	106	4.8	100	4.7	99	4.5	95	4.4	93	4.8	101
6.7	95	7.1	100	7.0	100	7.3	104	6.8	97	6.7	95	7.4	105
8.8	94	9.3	100	9.8	105	9.5	102	9.0	97	9.0	97	10.2	109
10.6	92	11.6	102	11.9	104	12.0	104	11.0	96	11.2	97	12.3	108
12.4	94	13.7	103	13.5	102	13.7	104	12.7	96	13.0	98	14.0	106
14.1	96	15.3	104	15.0	102	15.3	104	14.2	96	14.6	99	15.2	103
15.5	97	16.5	104	16.2	102	16.6	104	15.5	97	15.9	100	16.0	100
16.3	97	17.4	104	17.2	102	17.5	104	16.4	98	16.9	100	16.7	99
17.0	98	18.0	104	17.8	102	18.1	104	17.1	98	17.4	100	17.1	98
17.6	98	18.5	104	18.2	102	18.5	103	17.5	98	17.9	100	17.5	98
18.1	99	18.9	104	18.6	102	18.9	103	18.0	99	18.1	100	17.8	97
18.4	99	19.2	104	18.9	102	19.2	104	18.3	99	18.4	99	18.0	97
18.8	100	19.5	104	19.2	102	19.3	103	18.6	99	18.6	99	18.1	97
19.0	100	19.7	104	19.3	102	19.5	103	18.7	99	18.8	99	18.3	97
19.2	100	19.9	104	19.6	102	19.7	103	18.9	99	19.0	99	18.5	96
19.4	101	20.2	105	—	—	19.8	103	19.1	99	—	—	—	—
19.6	101	20.3	104	—	—	20.0	103	—	—	—	—	—	—
19.7	101	20.4	105	—	—	20.1	103	—	—	—	—	—	—
19.9	101	20.6	105	—	—	20.2	103	—	—	—	—	—	—



527-528a

527-528b

TABLE 58 (continued).

Females.

Month.....	Standard.		January.		February.		March.		April.		May.	
	—		88		96		64		57		22	
Number of Observations.....	Actual Length. cm.	Re-lative Length. Per Cent.	Actual Length. cm.	Re-lative Length. Per Cent.	Actual Length. cm.	Re-lative Length. Per Cent.	Actual Length. cm.	Re-lative Length. Per Cent.	Actual Length. cm.	Re-lative Length. Per Cent.	Actual Length. cm.	Re-lative Length. Per Cent.
2.....	4.85	100	5.2	106	4.7	98	5.1	105	5.1	104	4.9	102
3.....	7.17	100	7.8	108	7.2	100	7.3	102	7.3	102	7.3	101
4.....	9.57	100	10.3	107	9.8	102	9.4	98	9.4	99	9.2	96
5.....	11.67	100	12.4	106	12.0	103	11.5	99	11.3	97	11.4	97
6.....	13.31	100	13.9	104	13.7	103	13.1	98	13.0	98	13.4	101
7.....	14.61	100	15.1	103	14.9	102	14.4	98	14.4	98	14.9	102
8.....	15.55	100	15.9	102	15.8	102	15.4	99	15.3	99	15.9	103
9.....	16.23	100	16.4	101	16.4	101	16.1	99	16.1	99	16.6	102
10.....	16.66	100	16.8	101	16.8	101	16.6	100	16.6	100	17.0	102
11.....	17.0	100	17.0	100	17.0	100	17.0	100	16.9	100	17.4	102
12.....	17.25	100	17.2	100	17.3	100	17.3	100	17.2	100	17.7	102
13.....	17.46	100	17.4	100	17.4	100	17.5	100	17.5	100	17.9	102
14.....	17.62	100	17.5	100	17.6	100	17.6	100	17.7	100	18.1	103
15.....	17.77	100	17.7	100	17.7	100	17.8	100	17.9	101	18.3	103
16.....	17.91	100	17.8	99	17.9	100	17.9	100	18.0	101	18.4	103
17.....	18.03	100	—	—	18.0	100	18.0	100	18.2	101	18.5	103
18.....	18.12	100	—	—	18.1	100	18.1	100	18.3	101	18.7	103
19.....	18.2	100	—	—	18.2	100	18.2	100	18.3	101	18.8	103
20.....	18.28	100	—	—	18.2	100	18.3	100	18.4	101	18.9	103

529-530b



3 (continued).

emales.

June.		July.		August.		September.		October.		November.		December.	
37		69		44		32		69		72		43	
Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.	Actual Length. cm.	Relative Length. Per Cent.
4.7	96	5.4	111	4.8	100	4.8	100	4.4	91	4.4	92	4.6	94
6.7	93	7.6	105	7.1	99	7.3	101	6.6	92	6.6	92	7.2	100
8.7	91	10.0	104	9.8	102	9.8	102	8.8	92	9.1	95	10.0	104
10.5	90	12.2	105	11.8	101	12.0	103	11.0	94	11.2	96	12.0	103
12.2	92	14.1	106	13.3	100	13.7	103	12.5	94	12.8	96	13.5	102
13.8	94	15.4	106	14.7	101	15.0	102	13.9	95	14.1	96	14.6	100
14.9	96	16.3	105	15.6	101	16.0	103	14.9	96	15.0	97	15.3	99
15.7	97	17.0	105	16.4	101	16.6	103	15.7	97	15.9	98	15.8	98
16.3	98	17.4	104	16.9	101	17.1	103	16.2	97	16.2	97	16.2	97
16.8	99	17.7	104	17.2	101	17.4	102	16.5	97	16.7	98	16.5	97
17.2	99	18.0	104	17.4	101	17.7	102	16.9	98	17.0	98	16.7	97
17.5	100	18.2	104	17.7	101	17.9	102	17.1	98	17.1	98	16.9	97
17.7	100	18.4	104	17.8	101	18.0	102	17.2	98	17.3	98	17.0	97
17.9	101	18.6	105	17.9	101	18.1	102	17.4	98	17.5	98	17.1	96
18.1	101	18.7	104	18.1	101	18.2	102	17.5	98	17.6	98	17.3	96
18.2	101	18.8	104	—	—	18.3	101	—	—	—	—	—	—
18.3	101	18.8	104	—	—	18.4	101	—	—	—	—	—	—
18.4	101	18.9	104	—	—	18.5	101	—	—	—	—	—	—
18.5	101	19.0	104	—	—	18.5	101	—	—	—	—	—	—



529-530a

529-530b

TABLE 57.
Average Tail Lengths of Rats Born during Different Months at Different Ages.
Males.

Month.	4 WEEKS.				8 WEEKS.				12 WEEKS.				16 WEEKS.			
	Number.	Average Length.	Smoothed Length.	Relative Length.	Number.	Average Length.	Smoothed Length.	Relative Length.	Number.	Average Length.	Smoothed Length.	Relative Length.	Number.	Average Length.	Smoothed Length.	Relative Length.
January.....	87	101	99	106	87	162	162	102	87	181	181	99	87	189	190	99
February.....	85	97	95	102	85	163	160	100	85	183	180	99	85	192	189	99
March.....	82	88	91	97	82	153	157	98	82	177	181	99	82	187	191	100
April.....	70	88	88	94	70	156	155	97	70	183	180	99	70	194	190	99
May.....	13	92	89	95	13	165	156	98	13	188	183	100	13	197	194	101
June.....	35	88	91	97	35	154	162	102	35	181	187	103	35	192	197	103
July.....	69	93	93	100	69	165	162	102	69	189	186	102	69	199	196	102
August.....	48	98	95	102	55	162	164	103	55	186	188	103	50	196	198	103
September.....	21	95	94	101	21	166	159	100	11	189	183	100	11	197	193	101
October.....	65	90	91	97	65	155	158	99	65	180	182	100	65	189	190	99
November.....	58	90	93	100	47	159	157	98	58	181	180	99	58	190	188	98
December.....	29	102	98	105	29	160	161	101	29	178	180	99	29	185	189	99

GROWTH OF THE ALBINO RAT.

TABLE 59.

Average Daily Weights and Daily Food Consumption of Rats during Pregnancy.

Days.	WATER AND MEAL.		WATER AND MEAL.		MILK AND MEAL.	
	Experiments 1, 2, 3. 28 Observations.		Experiment 3. 9 Observations.		Experiment 4. 6 Observations.	
	Average Weight. g.	Average Food Con- sumption. g.	Average Weight. g.	Average Food Con- sumption. g.	Average Weight. g.	Average Food Con- sumption. g.
Birth 0	271	9.0	289	9.3	312	1.8
1	326	15.8	347	15.8	365	8.0
2	319	16.1	340	16.2	357	8.8
3	311	17.8	332	19.0	350	10.0
4	303	17.3	323	17.2	340	10.3
5	295	17.6	314	17.7	330	8.3
6	288	17.0	306	17.7	322	9.0
7	282	16.5	300	18.2	313	9.0
8	277	16.1	297	17.5	308	10.0
9	274	15.9	293	17.3	304	10.5
10	271	16.0	290	18.0	301	10.0
11	269	15.6	289	16.7	297	9.5
12	266	15.2	286	16.2	292	8.8
13	261	15.0	280	17.2	291	8.3
14	259	14.8	279	17.2	286	9.3
15	255	14.0	277	17.3	285	9.5
16	253	14.5	274	17.3	283	8.8
17	252	14.3	273	15.8	281	9.3
18	250	13.4	272	14.8	278	9.8
19	247	12.9	269	14.5	276	8.3
20	244	12.6	267	14.5	272	9.0
21	240	12.0	266	14.5	269	8.3
22	239	—	265	—	269	—

TABLE 61.

Influence of Weight at Service on Amount of Food Consumed.

Weight.	200-219.	220-239.	240-259.	260-279.	280-299.
<i>From Service :</i>	g.	g.	g.	g.	g.
First Week.....	99.4	117.4	115.1	111.4	104.8
Second Week....	116.2	128.7	124.5	121.6	123.3
Third Week.....	122.9	121.9	131.9	118.6	120.4
Total.....	338.5	368.0	371.5	351.6	348.5
Average.....	16.1	17.5	17.7	16.7	16.6

TABLE 60.
Number of Young at Birth and Amount of Food Consumed.
Water and Meal Mixture.

Litter Size.....	1	3	4	5	6	7	8	9	10	12
From Service:										
First Week.....	g. 106.5	g. 110	g. 115	g. 89	g. 84.3	g. 62.3	g. 96.5	g. 115.9	g. 101	g. 113
Second Week.....	113.5	123.5	128	101.6	99.7	79.6	112.7	133.8	121	129.5
Third Week.....	123.5	130	87	111.5	114.3	92	121.6	138.9	124	108.5
TOTAL.....	343.5	363.5	330	302.1	298.3	233.9	330.8	388.6	346	351
AVERAGE.....	16.4	17.3	15.7	14.4	14.2	11.1	15.8	18.5	16.5	16.7

Milk and Meal Mixture.

Litter Size.....	5	6	12
From Service:			
First Week.....	g. 60	g. 61	g. 72
Second Week.....	63	59	80
Third Week.....	67.5	54	64
TOTAL.....	190.5	174	216
AVERAGE.....	9.1	8.3	10.3

GROWTH OF THE ALBINO RAT.

TABLE 62.

Average Daily Weights of Females and Young and Average Daily Food Consumption during the Lactation Period.

	EXPERIMENTS 1, 2 AND 3.			EXPERIMENT 4.		
	Water and Meal.			Milk and Meal.		
	Weight of Females. g.	Food Consumption. g.	Weight of Young. g.	Weight of Females. g.	Food Consumption. g.	Weight of Young. g.
No. of Observations	16	16	124	5	5	35
Birth..... 0	269	8.8	5.14	305	2.2	4.91
Number of Days :						
1.....	269	12.3	5.45	296	3.4	5.03
2.....	270	15.9	6.16	299	5.8	5.76
3.....	270	18.6	7.1	299	7.4	7.08
4.....	271	20.8	8.01	301	7.6	8.40
5.....	271	21.2	9.03	302	10.0	10.0
6.....	271	22.6	10.3	304	11.4	11.5
7.....	271	24.5	11.6	303	9.2	13.2
8.....	273	25.9	13.1	300	11.0	14.9
9.....	273	27.5	14.4	305	13.6	17.0
10.....	272	27.3	16.0	306	15.4	18.7
11.....	273	29.2	17.5	307	17.2	21.0
12.....	274	31.2	19.1	307	16.8	23.1
13.....	274	31.9	20.8	307	17.4	25.0
14.....	274	31.6	22.2	305	18.4	27.0
15.....	273	32.6	23.6	303	16.8	29.2
16.....	273	35.0	24.9	303	19.0	30.8
17.....	275	36.2	26.3	306	23.4	32.9
18.....	274	36.3	27.3	307	25.4	35.2
19.....	274	38.6	29.0	306	25.6	37.6
20.....	270	41.2	30.6	305	27.4	40.1
21.....	268	42.7	33.0	299	25.0	42.8
22.....	269	47.8	34.9	296	29.6	46.0
23.....	265	50.7	37.3	296	32.6	49.0
24.....	264	54.9	39.9	296	34.0	52.6
25.....	259	56.8	42.3	292	35.0	56.0
26.....	257	57.4	44.9	289	34.8	59.4
27.....	255	61.3	48.7	289	40.4	63.3
28.....	—	63.7	—	—	42.0	—

TABLE 63.
Average Daily Weights and Gains of Rats from Different Litter Sizes from Birth to Weaning.

Age (Days.)	ALL RATS.						LITTER SIZES 3, 4, 5 AND 6.						LITTER SIZES 7, 8, 9 AND 11.							
	Number of Litters.	Number of Rats.	Average Weight. g.	Average Gain. g.	Re- lative Gain. Per Cent.	Number of Litters.	Number of Rats.	Average Weight. g.	Average Gain. g.	Re- lative Gain. Per Cent.	Number of Litters.	Number of Rats.	Average Weight. g.	Average Gain. g.	Re- lative Gain. Per Cent.	Number of Litters.	Number of Rats.	Average Weight. g.	Average Gain. g.	Re- lative Gain. Per Cent.
Birth..	21	159	5.09	—	—	8	54	4.91	—	—	9	78	5.14	—	—	9	76	5.14	—	—
1	21	147	5.37	.28	5.5	8	46	5.0	.09	1.8	9	76	5.43	.29	5.6	9	76	5.43	.29	5.6
2	21	143	6.08	.71	13.2	8	42	5.69	.69	13.8	9	76	6.09	.66	12.2	9	76	6.09	.66	12.2
3	21	138	7.09	1.01	16.6	8	37	6.68	.99	17.4	9	76	7.03	.94	15.4	9	76	7.03	.94	15.4
4	21	142	8.08	.99	14.0	8	37	7.76	1.08	16.2	9	76	8.04	1.01	14.4	9	76	8.04	1.01	14.4
5	21	141	9.21	1.13	14.0	8	37	9.05	1.29	16.6	9	75	9.2	1.16	14.4	9	75	9.2	1.16	14.4
6	21	140	10.53	1.32	14.3	8	36	10.5	1.45	16.0	9	75	10.36	1.3	12.6	9	75	10.36	1.3	12.6
7	21	139	11.90	1.37	13.0	8	36	12.17	1.67	15.9	9	74	11.66	1.33	12.5	9	74	11.66	1.33	12.5
8	21	137	13.39	1.49	12.5	8	36	13.92	1.75	14.4	9	73	12.99	1.33	11.4	9	73	12.99	1.33	11.4
9	21	137	14.91	1.52	11.4	8	36	15.86	1.94	13.9	9	73	14.33	1.34	10.3	9	73	14.33	1.34	10.3
10	21	137	16.50	1.59	10.7	8	36	17.69	1.83	11.5	9	73	15.84	1.51	10.5	9	73	15.84	1.51	10.5
11	21	135	18.13	1.63	9.9	8	36	19.83	2.14	12.1	9	73	17.14	1.3	8.2	9	73	17.14	1.3	8.2
12	21	135	19.84	1.71	9.4	8	36	21.89	2.06	10.4	9	73	18.82	1.68	9.8	9	73	18.82	1.68	9.8
13	21	133	21.56	1.72	8.7	8	36	23.97	2.08	9.5	9	73	20.34	1.52	8.1	9	73	20.34	1.52	8.1
14	21	133	23.13	1.57	7.3	8	36	25.94	1.97	8.2	9	73	21.75	1.42	6.9	9	73	21.75	1.42	6.9
15	21	133	24.65	1.52	6.6	8	36	28.0	2.06	10.0	9	73	23.05	1.2	5.5	9	73	23.05	1.2	5.5
16	21	133	25.98	1.33	5.4	8	36	29.61	1.61	5.7	9	73	24.45	1.3	5.5	9	73	24.45	1.3	5.5
17	21	133	27.52	1.54	5.9	8	36	31.53	1.92	6.5	9	73	25.74	1.29	5.3	9	73	25.74	1.29	5.3
18	21	129	28.91	1.39	5.1	8	36	33.64	2.11	6.4	9	73	27.1	1.36	5.3	9	73	27.1	1.36	5.3
19	20	126	30.67	1.76	6.1	8	36	35.78	2.14	6.4	9	73	28.52	1.42	5.2	9	73	28.52	1.42	5.2
20	20	123	32.63	1.96	6.4	8	36	38.06	2.28	6.4	9	73	30.37	1.85	6.5	9	73	30.37	1.85	6.5
21	19	119	35.03	2.4	7.4	8	36	40.72	2.66	7.0	9	73	32.44	2.07	6.8	9	73	32.44	2.07	6.8
22	19	119	37.26	2.23	6.4	8	36	43.44	2.72	6.7	9	73	34.59	2.15	6.6	9	73	34.59	2.15	6.6
23	19	119	39.8	2.54	6.8	8	36	46.44	3.0	6.9	9	73	36.93	2.34	6.8	9	73	36.93	2.34	6.8
24	19	119	42.58	2.78	7.0	8	36	50.06	3.62	7.8	9	73	39.38	2.45	6.6	9	73	39.38	2.45	6.6
25	19	119	45.16	2.58	6.1	8	36	53.39	3.33	6.7	9	73	41.88	2.31	5.5	9	73	41.88	2.31	5.5
26	19	119	47.92	2.76	6.1	8	36	56.86	3.47	6.5	9	73	44.19	2.51	5.5	9	73	44.19	2.51	5.5
27	19	119	51.18	3.26	6.8	8	36	61.11	4.25	7.5	9	73	46.93	2.74	6.2	9	73	46.93	2.74	6.2

TABLE 64.
Number of Young Suckled and Amount of Food Consumed.

Litter Size.	WATER AND MEAL.							MILK AND MEAL.								
	4	5	7	8	9	11	3	4	5	6	7	3	4	5	6	7
Number of Observations.....	2	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1
First Week.....Total	119	116.5	116	147.4	143	162	42	51	66	57	58	42	51	66	57	58
Average Daily.....	17.0	16.6	16.6	21.1	20.4	23.1	6.0	7.3	9.4	8.1	8.3	6.0	7.3	9.4	8.1	8.3
Second Week.....Total	178	191.5	180.5	241.5	204	236	58	104	118	140	129	58	104	118	140	129
Average Daily.....	25.4	27.3	25.8	34.5	29.1	35.1	8.3	14.9	16.9	20.0	18.4	8.3	14.9	16.9	20.0	18.4
Third Week.....Total	223	232.5	238	302.9	304	375	107	146	177	192	191	107	146	177	192	191
Average Daily.....	31.9	31.8	38.0	43.3	43.4	53.6	15.3	20.9	25.3	27.4	27.3	15.3	20.9	25.3	27.4	27.3
Fourth Week.....Total	288	341.5	387	474.4	453	539	156	203	300	274	309	156	203	300	274	309
Average Daily.....	41.1	48.8	55.3	67.9	64.7	77.0	22.3	29.0	42.9	39.1	44.1	22.3	29.0	42.9	39.1	44.1
Total for Lactation.....	808	882	921.5	1166.2	1104	1312	363	504	653	663	687	363	504	653	663	687
Average Daily.....	28.9	31.5	32.9	41.7	39.4	46.9	13.0	18.0	23.3	23.7	24.5	13.0	18.0	23.3	23.7	24.5

Relative Food Consumption (Female with Litter Size of 4 taken as 100).

First Week.....	100	98	97	124	120	136	82	100	129	112	114	82	100	129	112	114
Second Week.....	100	108	101	136	115	133	56	100	113	135	124	56	100	113	135	124
Third Week.....	100	104	107	136	136	168	73	100	121	132	131	73	100	121	132	131
Fourth Week.....	100	119	134	165	157	187	77	100	148	135	152	77	100	148	135	152
Average for Lactation.....	100	109	114	144	137	162	72	100	130	132	136	72	100	130	132	136

TABLE 65.
Average Weights and Daily Gains of Rats Fed Individually and in Groups.

Period (1 period = 5 days).	MALES.						FEMALES.									
	Milk Individually.		Water Individually.		Milk-Group.		Water-Group.		Milk Individually.		Water Individually.		Milk Group.		Water Group.	
	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.	Aver- age Weight.	Daily Gain.
	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.	g.
0.....	76	—	74	—	77	—	73	—	77	—	75	—	75	—	72	—
1.....	95	3.8	94	4.0	91	2.8	90	3.4	92	3.0	90	3.0	92	3.4	85	2.6
2.....	129	6.8	120	5.2	117	5.2	118	5.6	114	4.4	108	3.6	112	4.0	105	4.0
3.....	154	5.0	145	5.0	147	6.0	145	5.4	123	1.8	124	3.2	130	3.6	117	2.4
4.....	176	4.4	166	4.2	171	4.8	168	4.6	138	3.0	133	1.8	143	2.6	129	2.4
5.....	211	7.0	192	5.2	189	3.6	188	4.0	155	3.4	147	2.8	155	2.4	139	2.0
6.....	235	4.8	212	4.0	210	4.2	214	5.2	165	2.0	157	2.0	167	2.4	151	2.4
7.....	259	4.8	230	3.6	234	4.8	233	3.8	176	2.2	168	2.2	177	2.0	161	2.0
8.....	278	3.8	241	2.2	247	2.6	238	1.0	184	1.6	171	0.6	181	0.8	169	1.6
9.....	293	3.0	262	4.2	257	2.0	263	5.0	189	1.0	182	2.2	190	1.8	180	2.2
10.....	305	2.4	276	2.8	278	4.2	279	3.2	199	2.0	188	1.2	195	1.0	190	2.0
11.....	320	3.0	291	3.0	—	—	—	—	206	1.4	194	1.2	—	—	—	—
12.....	335	3.0	302	2.2	—	—	—	—	213	1.4	198	0.8	—	—	—	—

GROWTH OF THE ALBINO RAT.

TABLE 66.
Average Weights, Gains, and Food Utilisation of Rats Fed Milk and Water.
Males. Females.

Period.	MILK.				WATER.				MILK.				WATER.			
	Mean Weight.	Daily Food Gain.	Daily Food Intake.	E.Q.	Mean Weight	Daily Food Gain.	Daily Food Intake.	E.Q.	Mean Weight	Daily Food Gain.	Daily Food Intake.	E.Q.	Mean Weight	Daily Food Gain.	Daily Food Intake.	E.Q.
1.....	85	3.8	8.4	2.60	84	4.0	10.8	3.21	85	3.0	7.0	2.74	83	3.0	10.0	4.01
2.....	113	6.8	9.6	1.25	110	5.2	13.4	2.35	104	4.4	7.4	1.61	100	3.6	11.6	3.22
3.....	144	5.0	9.6	1.33	134	5.0	14.4	2.15	122	1.8	7.0	3.19	116	3.2	12.4	3.34
4.....	168	4.4	11.4	1.54	158	4.2	17.0	2.56	135	3.0	8.8	2.17	130	1.8	13.8	5.9
5.....	199	7.0	12.4	0.89	182	5.2	17.9	1.88	149	3.4	8.6	1.70	142	2.8	13.6	3.42
6.....	226	4.8	12.8	1.18	205	4.0	18.0	2.20	162	2.0	8.0	2.47	153	2.0	13.6	4.44
7.....	250	4.8	13.4	1.12	222	3.6	16.4	2.05	172	2.2	8.2	2.17	163	2.2	13.4	3.74
8.....	268	3.8	11.4	1.12	237	2.2	15.6	2.99	179	1.6	7.6	2.65	170	0.6	11.6	11.37
9.....	288	3.0	12.2	1.41	256	4.2	17.4	1.62	188	1.0	6.4	3.40	178	2.2	14.0	3.57
10.....	302	2.4	10.0	1.38	269	2.8	16.0	2.12	197	2.0	5.4	1.37	185	1.2	12.2	5.42
11.....	314	3.0	11.6	1.23	285	3.0	17.4	2.04	205	1.4	6.2	2.16	191	1.2	12.2	5.25
12.....	329	3.0	12.6	1.28	298	2.2	18.2	2.78	210	1.4	7.0	2.38	197	0.8	13.2	8.38
Average.....	—	4.32	13.3	1.36	—	3.8	16.0	2.33	—	2.26	7.3	2.34	—	2.04	12.6	5.17

TABLE 67.

Average Daily Live Weights and Food Consumption of Rats Fed Restricted and Unrestricted Amounts of Food.

Days.	FOOD RESTRICTED.			FOOD NOT RESTRICTED.			
	Weight g.		Daily Food Intake g.	Weight g.		Daily Food Intake g.	
	Males.	Females.		Males.	Females.	Males.	Females.
0....	73.2	73.5	—	74.3	74.8	—	—
1....	76.0	76.2	10.8	74.5	76.3	9.5	8.5
2....	78.5	78.7	11.8	78.8	78.3	9.5	9.0
3....	80.8	82.7	11.5	82.3	82.3	11.3	10.3
4....	82.5	84.0	11.7	88.8	86.3	11.8	11.0
5....	87.7	88.2	11.7	93.8	89.5	12.3	11.0
6....	89.8	89.7	11.0	99.5	92.3	12.8	10.0
7....	91.8	93.2	10.3	104.3	95.5	13.5	11.0
8....	93.0	94.2	10.5	110.0	100.3	14.0	11.8
9....	95.3	95.8	11.7	115.0	104.5	13.5	12.5
10....	97.7	98.3	11.8	120.0	107.8	13.5	12.5
11....	100.2	101.0	12.0	124.5	110.0	13.3	12.0
12....	105.0	105.0	12.7	128.3	112.5	13.8	11.5
13....	106.7	106.7	12.8	133.8	116.0	14.3	13.0
14....	111.8	112.3	12.9	139.8	120.0	15.3	12.5
15....	114.3	114.8	11.8	145.0	123.8	15.0	13.3
16....	118.3	118.0	11.8	150.3	126.8	17.3	14.8