

her positively. This is apparently the first nesting record of the Lincoln's Sparrow for New England.—JAMES BOND, *Acad. Nat. Sciences, Philadelphia, Pa.*

Measurement of Growth in the Eastern Chipping Sparrow.—While engaged in banding and marking Chipping Sparrows (*Spizella passerina passerina*) for study on the campus of Cornell University, I endeavored to make accurate measurements of each individual handled. In some cases measurements were taken continuously from the first day of hatching through to the sixteenth day of age. In order to do this the young had to be placed in a feeding cage so that the adults could continue to feed the captive bird in as nearly a normal fashion as possible. The following table shows the measurements in millimeters taken of one young bird for sixteen days:

TABLE I

Age in days	Weight in grams	Length	Extent	Wing	Primary	Tail	Culmen
¼	1.6	33	31	6	0	0	4
1	2.85	39	31	8	0	0	5
2	4.4	44	40	10	1	0	5
3	5.3	48	55	13	3	0	6
4	7.5	54	75	20	7	2	6
5	9.2	56	90	24	12	3	6.5
6	10.0	65	110	31	20	5	7
7	10.8	65	138	35	22	7	7
8	9.8*	72	138	37	27	10	7.5
9	10.5	75	137	42	32	13	7.5
10	10.4	76	149	45	32	14	7.5
11	10.4	78	150	45	35	16	8
12	—	83	154	47	35	20	8
13	11.8	85	157	50	40	22	8
14	11.5	95	175	53	45	27	8
15	11.5	97	177	56	46	30	8
16	10.7	102	200	60	46	38	9

* This decrease noted in the eighth day was at the period when the bird was about ready to fly and also at the time that it was placed in the cage.

The following table shows the results of one hundred and fifty-seven measurements in millimeters taken between the dates of June 15 and August 15, 1936:

TABLE II

Age in days	Weight in grams	Length	Extent	Wing	Prim.	Leg	Tail	Culmen	Specimens measured
1—	1.6	31.2	28.6	7	0	10.6	0	3.5	5
1	2.1	37.5	33	7	0	13	0	5	1
2	3.06	38.4	35	7.8	0	14	0	4.8	6
3	4.67	43.7	44	8.8	1.4	17	.5	4.8	7
4	5.4	47	59	14	3	20.8	.5	5.4	5
5	7.9	53.3	76	20	7.1	25	1.	5.7	8
6	8.7	56	99	25.6	14	27	3.8	6.3	5
7	9	62	112	30.2	18	29	4.8	6.3	7
8	10.07	66.3	134	37.3	23.4	30	9.9	7.0	16
9	10.1	72.3	134	39.9	27	30.3	11.4	7.1	21
10	11.05	74.4	154	43.8	30.7	31	14	7.3	15
11	—	77	157	48	30	30	18	7.4	8
12	—	82	160	49	36	30.9	20.7	7.5	7
13	11.8	83.5	163	48	36	31.5	20	7.5	3
14	11.5	95	175	53	45	31	27	8	1
15	11.5	96	177	57	38	29	38	8	6
16	—	97	177	57	38	29	38	8	3
18	—	100	—	65	42	31	32	7	1
20	—	115	197	65	45	32	38	9	2
21	—	105	—	63	49	—	40	8.7	2
22	—	109	196	63.5	49	—	42	8.7	2

Table III shows the average of measurements in millimeters of adults handled during this same period.

TABLE III

Sex	Weight grams	Length	Extent	Wing	Prim.	Leg	Tail	Culmen	Specimens measured
Females	12.7	127	205	64	52.5	31.8	56	9.6	17
Males	12.9	129	209	68	53.5	31.9	59	9.8	11

—RICHARD WEAVER, *Laboratory of Ornithology, Cornell University, Ithaca, N. Y.*