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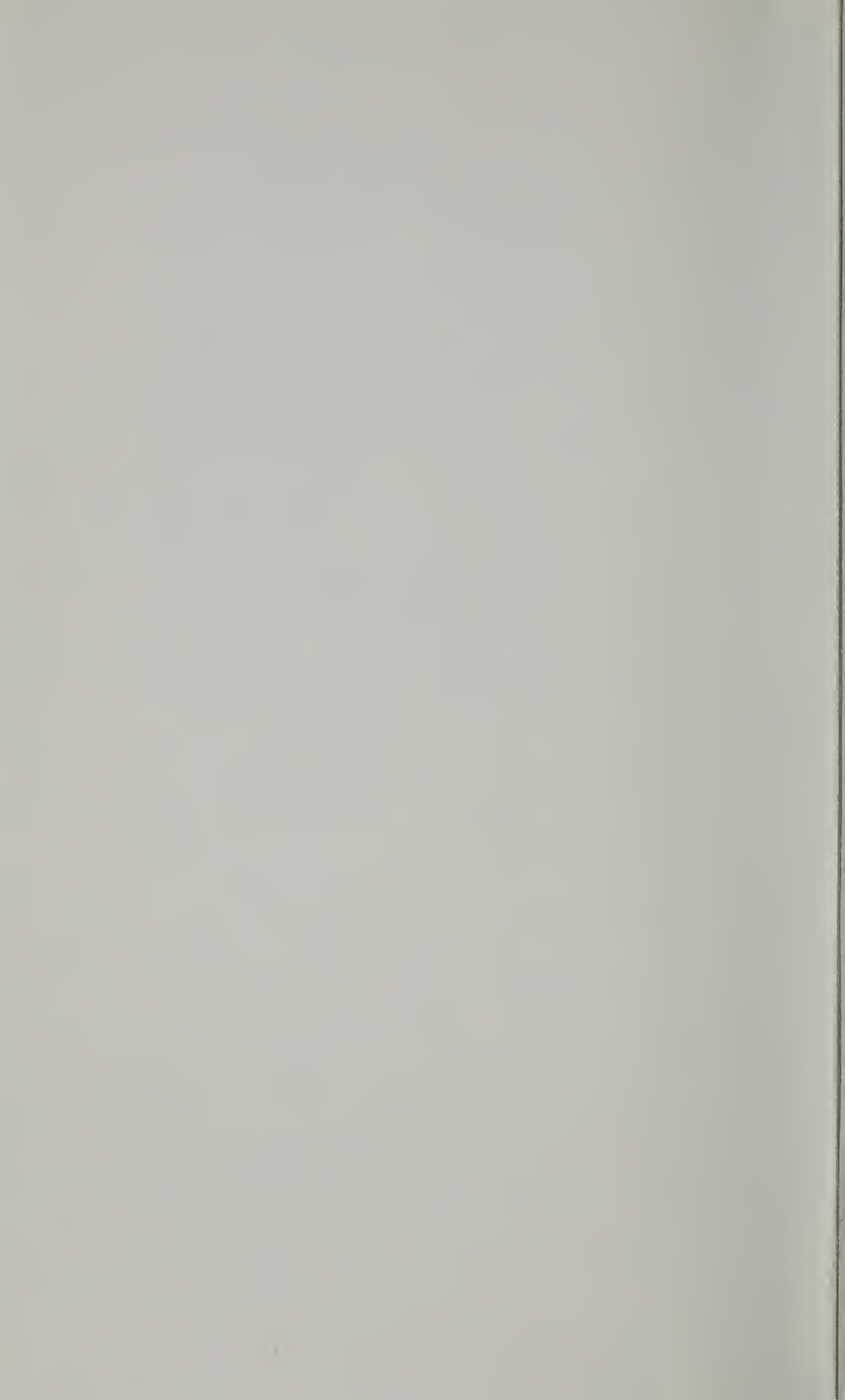
HARVARD UNIVERSITY

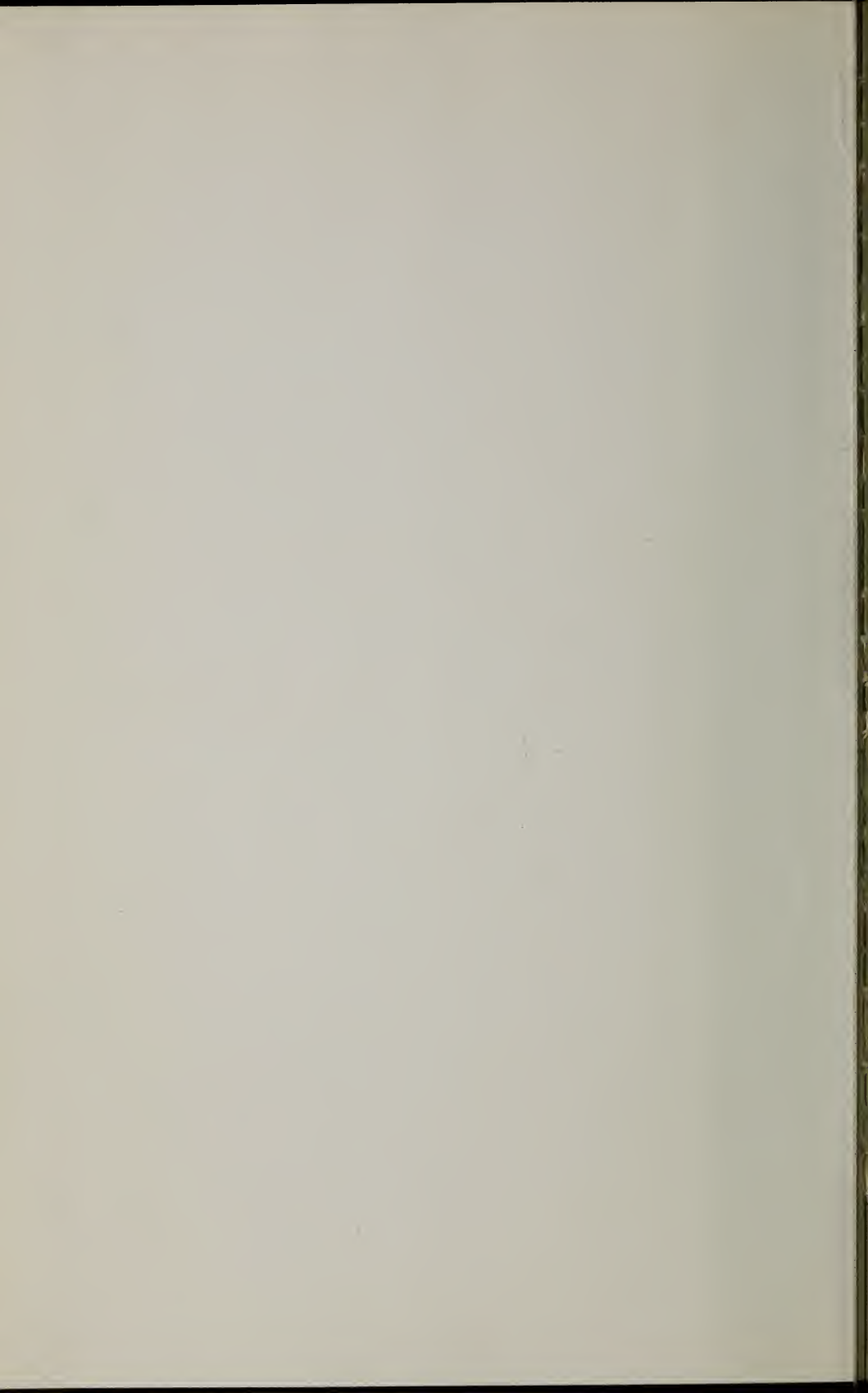


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THE
THIRTY-THIRD ANNUAL REPORT
OF THE
BOARD OF DIRECTORS
OF THE
ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

(INCORPORATED MARCH 21ST, 1859.)

READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-
HOLDERS OF THE SOCIETY.

APRIL 27th, 1905.

PHILADELPHIA:
PRESS OF ALLEN, LANE & SCOTT,
1211-1213 Clover Street.
1905.

In case of error or change in the address of this enclosure a favor will be conferred upon the Society by sending notice to the Secretary.

ZOOLOGICAL GARDENS,

34TH ST. AND GIRARD AVE.

PHILADELPHIA, PA.



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SUPERINTENDENT OF THE GARDENS.

ROBERT D. CARSON.

PATHOLOGIST.

COURTLAND Y. WHITE, M. D.

REPORT

OF THE

BOARD OF DIRECTORS.

PHILADELPHIA, April 27th, 1905.

The Board of Directors of the Zoological Society of Philadelphia presents to the members and loanholders its thirty-third annual report, for the year ending February 28th, 1905.

GENERAL AFFAIRS AND FINANCES.

The number of members at the close of the year was:—

Annual members.....	223
Life members.....	1,280
Corresponding members.....	6
Honorary members.....	15
Perpetual members.....	254
Junior members.....	72
Total members.....	1,850

The following is a report in detail of the admissions and receipts for the year:—

Adults (paying at gates).....	147,202
Children (paying at gates).....	45,302
Members (including Life and Annual Members, loanholders' annual, and complimentary annual tickets)	1,427
Loanholders' single tickets.....	12,405
Free admissions (charitable institutions, donors' tickets, &c.)*.....	3,724
Coupon tickets.....	397
Excursion tickets.....	3,327
	213,784

* In addition to these, 125,000 tickets were issued to the Board of Education, for the admission of pupils of the Public Schools.

Monthly Record of Receipts from Admissions for 1904-1905,
with corresponding account for 1903-1904.

MONTH.	1903-1904.	1904-1905.	COMPARISON.
March.....	\$2,278 20	\$1,351 85	Decrease.. \$926 35
April.....	3,207 25	2,338 15	" .. 869 10
May.....	4,646 50	5,162 60	Increase... 516 10
June.....	2,642 00	2,678 00	" ... 36 00
July.....	3,602 20	3,555 25	Decrease.. 46 95
August.....	5,779 15	4,806 00	" .. 973 15
September...	4,850 65	4,015 50	" .. 835 15
October.....	2,871 05	2,858 85	" .. 12 20
November...	2,015 70	1,430 10	" .. 585 60
December...	663 70	556 85	" .. 106 85
January.....	637 05	883 70	Increase... 246 65
February....	725 10	564 70	Decrease.. 160 40
	\$33,918 55	\$30,201 55	Decrease.. \$3,717 00

GARDENS AND MENAGERIE.

The animals exhibited during the year numbered:—

Mammals.....	572
Birds.....	929
Reptiles.....	1,048
Batrachians.....	166
	2,715

The species not previously exhibited in the collection were as follows:—

MAMMALIA.

1. *Felis planiceps* Vig. & Hors. Rusty Cat.

Hab., Malacca.

A specimen of this rare and beautiful species was purchased on April 10th, but like many of the very small cats it did not thrive in captivity, and lived but a short time.

2. *Spilogale ringens* Merr. Snarling Skunk.
Hab., Georgia and Alabama.
One example of this species, a representative of the little striped skunks, was received from Baker County, Georgia, on February 9th.
3. *Mellivora indica* (Kerr.) Indian Ratel.
Hab., India.
This near relative of the badgers has never before been offered for the collection. One specimen was purchased on April 10th.
4. *Spermophilus beecheyi* (Rich.) Beechey's Spermophile.
Hab., California.
Two examples, from Santa Cruz County. Purchased.
5. *Hystrix longicauda* Mars. Malaccan Porcupine.
Hab., Malacca; Sumatra.
A porcupine received at the Gardens in 1903 has remained in such poor external condition that it was only lately that satisfactory identification become possible.
6. *Bos depressicornis* (H. Smith.) Anoa.
Hab., Celebes.
This species, which is a dwarf representative of the Indian buffalo, not much exceeding three feet in height at the shoulder, has long been desired at the Gardens, and an adult male was finally purchased on April 18th. Through the summer it was kept in the cattle pens, but late in the autumn it showed much susceptibility to cold and was placed in the Antelope House for the winter.
7. *Thylacomys lagotis* Reid. Rabbit-eared Bandicoot.
Hab., western Australia.
One example of this curious marsupial. Purchased May 11th.

AVES.

8. *Monticola erythrogaster* (Vig.) Chestnut-bellied Rock-thrush.
Hab., India.
One specimen. Purchased April 16th.

9. *Myiophonus temmincki* Vig. Yellow-billed Whistling-thrush.
Hab., southern Asia.
One specimen. Purchased June 11th.
10. *Garrulax albigularis* Gould. White-throated Jay-thrush.
Hab., India.
One specimen. Purchased April 16th.
11. *Pyctoris sinensis* (Gm.) Golden-eyed Babbler.
Hab., India; Siam.
Two specimens. Purchased April 10th.
12. *Tanagra darwini* Bp. Darwin's Tanager.
Hab., Bolivia; Ecuador.
One example, received in January, 1904, has been heretofore unidentified by reason of incomplete plumage.
13. *Munia pectoralis* (Gould.) White-breasted Finch.
Hab., Australia.
Two specimens. Purchased November 5th.
14. *Poëphila personata* Gould. Masked Grass-finch.
Hab., Australia.
Two specimens. Purchased April 19th.
The series of these beautiful weavers has been almost complete, five out of the six known species having been shown in the collection.
15. *Melopyrrha nigra* (L.) Cuban Bullfinch.
Hab., Cuba.
Two specimens. Purchased April 5th.
16. *Spizella pallida* (Sw.) Clay-colored Sparrow.
Hab., western United States.
Six specimens. Purchased May 12th. From Seymour, Texas.
17. *Cassidix oryzivora* (Gm.) Rice Grackle.
Hab., South America.
One specimen. Purchased September 22d.
18. *Xanthocephalus xanthocephalus* (Bp.) Yellow-headed Blackbird.
Hab., western North America.
Five specimens. Purchased May 12th. From Seymour, Texas.

19. *Icterus parisorum* Bp. Scott's Troupial.
Hab., Texas; Mexico.
One specimen. Purchased April 9th.
20. *Icterus bullocki* (Sw.) Bullock's Troupial.
Hab., western United States; Mexico.
One pair. Purchased April 9th.
21. *Garrulus lanceolatus* Vig. Himalayan Jay.
* Hab., Himalayas.
One specimen. Purchased April 16th.
22. *Megalæma virens* (Bodd.) Great Barbet.
Hab., China; Japan.
One specimen. Purchased April 16th.
23. *Rhampastos ambiguus* (Sw.) Doubtful Toucan.
Hab., Colombia; Peru.
One specimen. Purchased May 11th.
24. *Pteroglossus aracari* (L.) One-banded Toucan.
Hab., Guiana.
One specimen. Received in exchange April 2d.
25. *Conurus wagleri* G. R. Gray. Wagler's Conure.
Hab., Venezuela; Colombia.
One specimen. Purchased September 21st.
26. *Accipiter atricapillus* (Wils.) American Goshawk.
Hab., Canada; northern United States.
Three examples, taken from the nest by Mr. Otto Behr, of Lopez, Sullivan County, Pa., and presented by him on June 14th, are of interest, the breeding records of the species in this State being few.
27. *Falco vespertinus* L. Red-footed Kestrel.
Hab., southeastern Europe.
A male and female of this beautiful falcon were presented on September 20th by Mr. P. Scheffler, second officer of the steamship "Energie." They were taken by him on the Black Sea, twenty miles off the Roumanian coast.
28. *Falco subbuteo* L. Hobby.
Hab., Europe; Asia.
One specimen. Purchased December 1st.
29. *Falco sparverioides* Vig. Cuban Sparrow Hawk.
Hab., Cuba.
One specimen. Purchased September 21st.

30. *Columba gymnophthalma* Temm. & Kn. Bare-eyed Pigeon.
Hab., Venezuela.
One specimen from Curacao. Purchased May 11th.
31. *Goura sclateri* Salvad. Selater's Crowned Pigeon.
Hab., New Guinea.
A pair of this fine species. Purchased May 11th.
32. *Larus philadelphia* (Ord.) Bonaparte's Gull.
Hab., North America.
One specimen. Purchased November 21st.
33. *Ajaja ajaja* (L.) Roseate Spoonbill.
Hab., tropical America.
One specimen. Purchased August 24th.
34. *Plegadis guarana* (L.) White-faced Glossy Ibis.
Hab., tropical America.
One specimen. Purchased August 24th.

REPTILIA.

35. *Uromastix spinipes* (Daud.) Egyptian Mastigure.
Hab., Egypt; Arabia.
One specimen. Purchased August 23d.
36. *Gerrhonotus burnetti* Gray. Burnett's Lizard.
Hab., California.
A number of these lizards were received during the
autumn from Santa Cruz County.
37. *Ameiva exul* Cope. Wandering Lizard.
Hab., Porto Rico; St. Thomas.
One specimen from Porto Rico. Purchased September 28th.
38. *Lacerta muralis tiliguerta* Gm. Greenish Wall Lizard.
Hab., southern Europe.
Six specimens. Purchased February 2d.
39. *Eutaenia butleri* Cope. Butler's Garter Snake.
Hab., Indiana to Michigan.
A number of specimens of this snake have been recently collected by Mr. A. G. Ruthven, of the University of Michigan, and the study which he has made of them goes far towards establishing this rather anomalous form as a distinct species, which

up to the present time has been found only in a few localities from southeastern Indiana to southern Michigan. Through Mr. Ruthven's kindness two of his specimens were added to the collection.

40. *Dryophis mycterizans* (L.) Long-nosed Snake.
Hab., India; Burma; Ceylon.
One specimen. Purchased August 5th.
41. *Vipera aspis* (L.) Asp Viper.
Hab., southern Europe.
42. *Vipera russelli* Shaw. Russell's Viper.
Hab., India; Burma; Ceylon.
43. *Cerastes vipera* (L.) Cerastes Viper.
Hab., north Africa.
Examples of the three vipers named above were purchased in August.

BATRACHIA.

44. *Rana esculenta* (L.) Edible Frog.
Hab., Europe.
Three specimens. Purchased October 4th.
45. *Rana draytoni* B. & G. Drayton's Frog.
Hab., Oregon; California.
One specimen from Santa Cruz County, California.
46. *Rana virescens brachycephala* Cope. Western Brook Frog.
Hab., western United States.
Eight specimens from Seymour, Texas. Purchased.
47. *Bufo boreas* B. & G. Pacific Toad.
Hab., Washington; California.
Two specimens from Santa Cruz County, California.
48. *Bufo compactilis* Wieg. Short-bodied Toad.
Hab., Texas; Mexico.
Several specimens from Seymour, Texas.
49. *Leptodactylus albilabris* Gunth. White-lipped Frog.
Hab., Antilles.
One specimen from Porto Rico. Purchased.
50. *Chorophilus triseriatus* (Wied.) Clarke's Tree Frog.
Hab., Texas.
Several specimens of the Texas form sometimes separated as *C. clarkii* B. & G., were received from Seymour on July 4th.

51. *Scaphiopus couchi* Bd. Couch's Spade-foot Toad.
 Hab., southwestern United States.
 Several specimens received from Seymour, Texas, in May. These curious toads usually escape capture owing to their subterranean habits, and are not common in collections.
52. *Diemyctylus torosus* (Esch.) Warty Newt.
 Hab., California to Alaska.
 Six specimens from Santa Cruz County, California.
53. *Chondrotus microstomum* Cope. Small-mouthed Salamander.
 Hab., Mississippi Valley.
 Four specimens from St. Clair County, Illinois. Presented April 25th by Mr. Julius Hurter, St. Louis, Mo.
54. *Chondrotus tenebrosus* (B. & G.) Mottled Salamander.
 Hab., Oregon; California.
 One specimen of this large, fine species, from Santa Cruz, was purchased on December 25th.

Among other arrivals of special interest the following may be noted:—

An emperor boa (*Boa imperator*) from Curacao, and a young pumã from Colombia, presented in April by Mr. William Bartels and Mr. F. Mitchell, of New York. Specimens of the fishing cat (*Felis viverrina*) and Bengalese cat (*F. bengalensis*), purchased April 10th. A female echidna was purchased on April 16th. This animal has gone through the winter in good health, and after a year's captivity appears to be thriving. A male concave-casqued hornbill (*Dichoceros bicornis*) was purchased in April, being the first of this species possessed by the Society since 1880. By a fortunate chance a female was secured in May, and the presence of a pair of these fine birds in the Aviary has attracted much attention. At the same time a pair of Asiatic white cranes were received.

A number of rare batrachians were presented in April and May by Mr. Julius Hurter, of St. Louis, among which were examples of the long-tailed salamander (*Spelerpes longicaudus*),

the small-mouthed salamander (*Chondrotus microstomum*) and Brimley's newt (*Desmognathus brimleyorum*).

On May 24th Mrs. Harry Nuding presented specimens of wood ibis, tree ducks, red-breasted guan and white-eyed guan, from Brazil.

A low-crested iguana (*Cyclura baelopha*) and a swift snake (*Dromicus angulifer*), both from New Providence, Bahamas, were presented on October 1st by Mr. F. Mitchell, of New York.

A red-faced spider monkey (*Ateles paniscus*) from Guiana, was received on October 17th as a gift from Miss E. Adele Sproat. The species has not often been represented in the collection.

A pair of Brazilian tapirs were received on November 17th from Mr. Harry Nuding, of Para, who has made many valuable gifts to the Society. They were accompanied by a capybara, a collared peccary and three red brockets.

On February 26th a pair of Bactrian camels were purchased. These animals came from the Kirghiz Steppes, Siberia.

The births during the year were as follows:—

- 1 mona monkey (*Cercopithecus mona*), ♂, May 5th.
- 1 pig-tailed macaque (*Macacus nemestrinus*), ♀, October 24th.
- 1 Japanese macaque (*M. fuscatus*), ♀, May 22d.
- 1 black lemur (*Lemur macaco*), ♀, May 4th.
- 4 gray wolves (*C. lupus mexicanus*), 2♂, 2♀, April 16th.
- 1 prairie wolf (*C. latrans*), May 6th.
- 4 common jackals (*C. aureus*), April 18th.
- 3 black bears (*Ursus americanus*), February 13th.
- 4 grey wood rats (*Neotoma micropus*), April 18th, May 28th.
- 3 desert mice (*Peromyscus eremicus*), September 13th.
- 2 hairy-rumped agoutis (*Dasyprocta prymnolopha*), September 13th.
- 17 European rabbits (*Lepus cuniculus*).
- 1 Burchell's zebra (*Equus burchelli*), ♂, November 30th.
- 2 American bison (*Bison americanus*), ♂, ♀, June 28th, August 6th.

- 6 Indian antelopes (*Antelope cervicapra*), 4♂, 2♀, January, March, April, July, and September.
- 1 nylghaie (*Boselaphus tragocamelus*), ♂, May 30th.
- 1 prong-horned antelope (*Antilocapra americana*), ♀, June 7th.
- 2 red deer (*Cervus elaphus*), ♂, ♀, May 31st, June 5th.
- 1 wapiti (*C. canadensis*), ♀, June 12th.
- 3 hog-deer (*C. porcinus*), ♂, February, March, May.
- 2 fallow deer (*C. dama*), ♂, June 1st and 8th.
- 2 Virginia deer (*Mazama virginiana*), ♀, June 10th.
- 1 Mearns' deer (*M. texana*), ♂, June 28th.
- 2 robust kangaroos (*Macropus robustus*), ♀, August 12th, February 13th.
- 3 golden pheasants (*Chrysolophus pictus*), June 5th.
- 5 mallard ducks (*Anas boschas*), July 1st.
- 10 banded water snakes (*Tropidonotus fasciatus*), August 10th.
- 12 Marcy's garter snakes (*Eutaenia marciana*), November 19th.
- 7 ground rattlesnakes (*Sistrurus miliarius*), August 5th.
- 14 western diamond rattlesnakes (*Crotalus atrox*), September 22a.

The last annual report referred to the proposed erection of a Pathological Laboratory and Infirmary at the Gardens. This was completed before the end of the year, a large part of the cost being met by the appropriation of \$5000 from the City Councils. The building is 72 by 32 feet in size and contains a receiving room, an infirmary, an operating room, and a laboratory. A cold storage vault and an incinerating furnace are connected with it. The laboratory was opened for work on February 11th with a full equipment of apparatus, which the Society owes to the generosity of one of its Directors, and it is proposed that as far as possible, all animals dying in the Gardens shall be submitted to thorough examination of all morbid conditions which can be detected. Some lines of experimental work in the direction of preventive treatment of communicable diseases are already in progress.

As far as is known, no such institution containing equal facilities for the study of disease in wild animals exists in a zoological garden elsewhere.

The only other new work undertaken was an extension of the series of owl cages on the cross-walk south of the Deer Park.

Under the present plans it is hoped that before the end of the summer the facilities for outdoor exhibition of native mammals and birds may be very considerably increased.

The thanks of the Directors are offered in return for all gifts which have been received.

By order of the Board,

ARTHUR ERWIN BROWN,

Secretary.

INCOME AND EXPENDITURES.

For fiscal year ending February 28th, 1905.

INCOME.

Members' fees and dues.....	\$1,090 00	
Admission receipts.....	30,201 55	
Rents at Gardens.....	250 00	
Interest, discount, &c.....	1,295 14	
Sundry receipts.....	1,394 98	
Sale of guide books.....	69 15	
Sales of animals.....	385 00	
Received from the City of Philadelphia through the Commissioners of Fairmount Park.....	17,500 00	
	<u> </u>	<u>\$52,185 82</u>

EXPENDITURES.

(Exclusive of Permanent Improvements, &c.)

Salaries and wages.....	\$20,525 25	
Office expenses.....	345 98	
General expenses.....	25,787 34	
Purchase of animals.....	4,661 45	
	<u> </u>	<u>\$51,320 02</u>
Balance to credit of profit and loss	865 80	
	<u> </u>	<u>\$52,185 82</u>

CAPITAL.

For fiscal year ending February 28th, 1905.

RECEIPTS.

Life memberships.....	\$200 00	
Received from the City of Philadelphia through the Commissioners of Fairmount Park.....	5,000 00	
	<u> </u>	<u>\$5,200 00</u>

EXPENDITURES.

Pathological Laboratory.....	\$5,281 00	
Hawk and owl cages.....	150 00	
	<u> </u>	<u>\$5,431 00</u>
Balance being excess of expenditures over receipts of capital.....	231 00	
	<u> </u>	<u>\$5,200 00</u>

HENRY T. COATES,
Treasurer.

Examined and found correct, March 27th, 1905.

STOCKTON BATES,

C. P. A. (for Stockton Bates & Son.)

LIST OF DEAD ANIMALS EXAMINED, WITH THE
PATHOLOGICAL CONDITIONS FOUND.

147. Black-eared Marmoset (*Hapale pencillata*).
Probably an acute infection.
148. Musky Lorikeet (*Glossopsittacus concinnus*).
Acute catarrhal enteritis. Adeno-carcinoma of lung.
149. Anubis Baboon (*Papio anubis*).
General tuberculosis.
150. Sooty Mangabey (*Cercocebus fuliginosus*).
Tuberculosis of lungs, spleen, and mesenteric lymph
glands.
151. White-eared Conure (*Conurus leucotis*).
Acute catarrhal enteritis.
152. Cactus Conure (*Conurus cactorum*).
Pathological examination negative.
153. Common Marmoset (*Hapale jacchus*).
Acute infection. Suppurative myocarditis. Acute
splenitis. Adenoma of skin of scrotum.
154. Patagonian Conure (*Conurus patagonus*).
Pathological examination negative.
155. Globose Curassow (*Crax globicera*).
General tuberculosis.
156. Muis Deer (*Tragulus memmina*).
Pathological examination negative.
157. Blood-breasted Pigeon (*Phlogœnas luzonica*).
Peritoneal hemorrhage from rupture of the spleen.
Broncho-pneumonia. Toxic nephritis.
158. Yellow Baboon (*Papio cynocephalus*).
General tuberculosis.
159. Red Fox (*Canis vulpes pennsylvanicus*).
Perforating wound of abdomen.
160. White-crowned Pigeon (*Columba leucocephala*).
General tuberculosis.
161. Black Lemur (*Lemur macaco*).
Interstitial nephritis. Catarrhal enteritis.
162. Yellow Baboon (*Papio cynocephalus*).
General tuberculosis.

163. Rhesus Macaque (*Macacus rhesus*).
General tuberculosis.
164. Ring-tailed Coati (*Nasica rufa*).
Pulmonary and renal tuberculosis.
165. Rhesus Macaque (*Macacus rhesus*).
General tuberculosis.
166. Texas Rattlesnake (*Crotalus atrox*).
Pathological examination negative.
167. Raccoon (*Procyon lotor*).
Pathological examination negative.
168. Spotted-tailed Dasyure (*Dasyurus maculatus*).
Primary cancer of the small intestine, with metastatic nodules in liver, spleen, lungs, and peritoneal lymph glands. Small abscess in the lung from streptococcus infection.
169. Red-necked Wallaby (*Macropus ruficollis*).
Pathological examination negative.
170. American Otter (*Lutra canadensis*).
Pathological examination negative.
171. Cinereus Eagle (*Haliaeetus albicillus*).
Malignant endocarditis. Atheroma of heart valves.
Miliary abscesses of liver and spleen.
172. Brown Cebus (*Cebus fatuellus*).
Hemorrhage into medulla and upper part of cord.
173. Douroucouli (*Nyctipithecus trivirgatus*).
Pathological examination negative.
174. Black Swan (*Cygnus atratus*).
Pathological examination negative.
175. Common Marmoset (*Hapale jacchus*).
Interstitial nephritis. Emphysema of lungs.
176. Kinkajou (*Cercoleptes caudivolvulus*).
Tape worms from one to two inches in length in stomach and intestines. Fatty degeneration of liver.
177. Green Monkey (*Cercopithecus callitrichus*).
General tuberculosis.
- 178, 179, 180. Three Hellbenders (*Menopoma allegheniensis*).
Post-mortem degeneration too great for pathological examination.

181. Entellus Monkey (*Semnopithecus entellus*).
Dilatation of the stomach. Dislocation of liver, with
division of liver into five lobes.
182. Brant Goose (*Branta bernicla*).
Peritoneal hemorrhage of unknown origin.
183. Rhesus Macaque (*Macacus rhesus*).
General tuberculosis.
184. Indian Python (*Python molurus*).
Large number of tape worms from three to eight
inches in length in the large intestine. Resulting
ulceration of the colon.
185. Red-fronted Amazon (*Chrysotis vittata*).
Acute enteritis. Necrosis of the liver.
186. Echidna (*Echidna aculeata*).
Pathological examination negative.
187. Rhesus Monkey (*Macacus rhesus*).
General tuberculosis.
188. Common Macaque (*Macacus cynomolgus*).
General tuberculosis.
189. Black-handed Spider Monkey (*Ateles geoffroyi*).
Miliary abscesses of liver.
190. Green Jay (*Xanthura luxuosa*).
Pathological examination negative.
191. Gray Parrot (*Psittacus erythacus*).
Acute enteritis.
192. Black Bear (*Ursus americanus*).
Gastric ulcer. Gastro-enteritis.
193. Sooty Mangabey (*Cercocebus fuliginosus*).
General tuberculosis.
194. Gray Wood Rat (*Neotoma micropus*).
Tumor of the pelvis of undetermined character.
195. Anubis Baboon (*Papio anubis*).
Follicular enteritis. Purulent pneumonia (non-tuber-
cular).
196. Moor Macaque (*Macacus maurus*).
Chronic obliterating pleurisy. Emphysema. Car-
diac hypertrophy. Parasite in submucosa of in-
testine.
- 197, 198. Pale-headed Parrakeets (*Platyercus pallidiceps*).
Pathological examination negative.

199. Pig-tailed Monkey (*Macacus nemestrinus*).
General tuberculosis.
200. Gray Wolf (*Canis lupus mexicanus*).
Pathological examination negative.
201. Three-banded Douroucouli (*Nyctipithecus trivirgatus*).
Pathological examination negative.
202. Rhesus Macaque (*Macacus rhesus*).
Broncho-pneumonia (non-tubercular).
203. Black Bear (*Ursus americanus*).
Medullary cancer of the breast, with metastasis to the lungs.
204. Mongoose Lemur (*Lemur mongoz*).
General tuberculosis.
205. Red-necked Wallaby (*Macropus ruficollis*).
Chronic gastritis with acute exacerbation.
206. Red-necked Wallaby (*Macropus ruficollis*).
Pathological examination negative.
207. White-nosed Monkey (*Cercopithecus petaurista*).
Follicular enteritis. Beginning interstitial nephritis.
208. Gray-cheeked Mangabey (*Cercocebus albigena*).
Chronic enteritis with acute exacerbation.
209. Black Lemur (*Lemur macaco*).
Acute enteritis with enlarged follicles. Emphysema of lungs.
210. Sulphur-breasted Toucan (*Rhamphastos carinatus*).
Acute enteritis.
211. Japanese Macaque (*Macacus fuscatus*).
An acute infection. Moderate enteritis, acute splenitis, enlargement of peritoneal lymph glands, local necrosis of the liver.
212. Common Macaque (*Macacus cynomolgus*).
General tuberculosis.
213. Gray Parrot (*Psittacus erythacus*).
Pathological examination negative.
214. Amherst's Pheasant (*Chrysolophus amherstiae*).
Tuberculosis of liver, lungs, and spleen.
215. White-haired Porcupine (*Erethizon dorsatus*).
Acute suppurative enteritis. Broncho-pneumonia.
Enlargement of mesenteric lymph glands. Focal necrosis of liver.

216. Bald Eagle (*Haliaetus leucocephalus*).
Chronic enteritis.
217. Dorcas Gazelle (*Gazella dorcas*).
Acute enteritis.
218. Green Monkey (*Cercopithecus callitrichus*).
General tuberculosis.
219. Citron-crested Cockatoo (*Cacatua citrinocristata*).
Tuberculosis of the lungs and liver.
220. Golden-naped Amazon (*Chrysotis auripalliata*).
Acute enteritis and necrosis of the liver.
221. Anubis Baboon (*Papio anubis*).
General tuberculosis.
222. Black-eared Marmoset (*Hapale pencillata*).
Chronic enteritis.
223. Mona Monkey (*Cercopithecus mona*).
General tuberculosis. Miliary tuberculosis of the intestines, heart, and pericardium.
224. Rhesus Macaque (*Macacus rhesus*).
General tuberculosis.
225. Gray Parrot (*Psittacus erythacus*).
Enterocolitis.
226. Vulpine Phalanger (*Trichosurus vulpecula*).
Acute hemorrhagic duodenitis. Acute pancreatitis.
Fat necrosis of pancreas, omentum, and mesentery.
227. European Brown Bear (*Ursus arctos*).
Chronic gastro-enteritis. Foreign body (peach stone)
in stomach.
228. Giant Kingfisher (*Dacelo gigas*).
Tuberculosis of the liver.
229. Blue-fronted Amazon Parrot (*Chrysotis æstiva*).
Acute enteritis. Localized necrosis of the liver.
230. Guinea Baboon (*Papio sphinx*).
General miliary tuberculosis.
231. King Parrakeet (*Aprosmictus cyanopygius*).
Impaction of feces.
232. Moustache Monkey (*Cercopithecus cephus*).
Enteritis.
233. Pig-tailed Macaque (*Macacus nemestrinus*).
General tuberculosis. Puerperal sepsis.

234. Mona Monkey (*Cercopithecus mona*).
Acute caseous pneumonia. Miliary tuberculosis of liver, spleen, and omentum.
235. Prong-horned Antelope (*Antilocapra americana*).
Chronic enteritis from a species of *Trichocephalus*.
236. Grivet Monkey (*Cercopithecus sabæus*).
General tuberculosis.
237. Yellow-fronted Amazon (*Chrysotis ochrocephala*).
Acute enteritis. Necrosis of liver.
238. White-fronted Amazon (*Chrysotis leucocephala*).
Pathological examination negative.
239. Rhesus Macaque (*Macacus rhesus*).
General miliary tuberculosis.
240. Buffalo (*Bison americanus*).
Gastro-enteritis. The stomach contained a number of nails, broken glass, and pebbles.
241. Common Macaque (*Macacus cynomolgus*).
General tuberculosis.
242. Vervet Monkey (*Cercopithecus pygerithrus*).
General tuberculosis.
243. Roseate Cockatoo (*Cacatua roseicapilla*).
Chronic enteritis from intestinal worms. Tuberculosis of lungs.
244. Rhesus Macaque (*Macacus rhesus*).
Acute miliary tuberculosis.
245. White-fronted Amazon (*Chrysotis leucocephala*).
Chronic peritonitis of unknown origin.
246. Long-tailed Conure (*Conurus euops*).
Pathological examination negative.
247. Sooty Mangabey (*Cercocæbus fuliginosus*).
Caseous pneumonia of the lungs. Miliary tuberculosis of the omentum and kidneys.
248. Mona Monkey (*Cercopithecus mona*).
General tuberculosis.
249. Red Brocket Deer (*Mazama rufa*).
Acute gastro-enteritis. Toxic nephritis.
250. Gray Parrot (*Psittacus erythacus*).
Chronic enteritis.
251. Indian Antelope (*Antilope cervicapra*).
Pathological examination negative.

252. Leadbeater's Cockatoo (*Cacatua leadbeateri*).
General tuberculosis.
253. Gray Fox (*Canis cinereo-argenteus*).
Pathological examination negative.
254. Black Lemur (*Lemur macaco*).
Tubercular pneumonia. Miliary tuberculosis of liver, kidneys, spleen, and mesenteric glands.
255. Tigress (*Felis tigris*).
Impaction of a fragment of bone in the large intestine; perforation of the intestine; purulent peritonitis.
256. Rhesus Macaque (*Macacus rhesus*).
General tuberculosis.
257. Toque Macaque (*Macacus pileatus*).
General miliary tuberculosis.
258. Entellus Monkey (*Semnopithecus entellus*).
Acute miliary tuberculosis.
259. Red Brocket (*Mazama rufa*).
Multiple abscess of the soft tissues of the lower jaw.
Toxic nephritis.
260. Brown Cebus (*Cebus fatuellus*).
Hemorrhagic colitis. Parasitic cyst of the kidneys.
Miliary abscess of the pancreas.
261. Mona Monkey (*Cercopithecus mona*).
Enterocolitis. An acute infection.
262. Guinea Baboon (*Papio sphinx*).
General tuberculosis.
263. Red and Yellow Macaw (*Ara macao*).
Chronic peritonitis. Chronic fibroid myocarditis.
264. Japanese Macaque (*Macacus fuscatus*).
Acute lobar pneumonia. Acute fibrino-plastic pleurisy. Hypertrophy of heart.
265. Weeper Capucin (*Cebus capucinus*).
Necrosis of the liver, resembling anæmic infarct.
266. White-throated Mangabey (*Cercocebus collaris*).
Volvulus of the cæcum and ilium. Dislocation of the transverse and descending colon to the right side of the abdomen. Purulent peritonitis and double purulent pleuritis.

267. Red Monkey (*Cercopithecus patas*).
General miliary tuberculosis. Caseous tubercular pneumonia.
268. Hooper Swan (*Cygnus musicus*).
General fibrosis of the vessels.
269. Wild Boar (*Sus scrofa*).
Enteritis.
270. Black Lemur (*Lemur macaco*).
Acute tubercular pneumonia. Miliary tuberculosis of the spleen, liver, and lungs.
271. Trumpeter Swan (*Cygnus buccinator*).
Pathological examination negative.
272. Entellus Monkey (*Semnopithecus entellus*).
Miliary tuberculosis. Tubercular pleurisy.
273. Weeper Cebus (*Cebus capucinus*).
Acute tubercular pneumonia.
274. Rhesus Monkey (*Macacus rhesus*).
General tuberculosis.
275. Yellow Baboon (*Papio cynocephalus*).
General tuberculosis.
276. Common Ferret (*Mustela furo*).
Chronic enteritis. Broncho-pneumonia. Chronic nephritis.
277. Striped Skunk (*Spilogale viagens*).
Impaction of feces. Parasites in submucosa of stomach and intestines.
278. Blue Goose (*Anser cærulescens*).
Pathological examination negative.
279. Indian Antelope (*Antilope cervicapra*).
Pathological examination negative.
280. Undulated Grass Parrakeet (*Melopsittacus undulatus*).
Pathological examination negative.
281. Capybara (*Hydrochærus hydrochærus*).
Acute entero-colitis.
282. Gray Wolf (*Canis lupus mexicanus*).
Lacerated wounds over eye and ear. Inflammation thyroid gland.
283. Western Nightingale (*Daulias luscinia*).
Pathological examination negative.

284. Trumpeter Swan (*Cygnus buccinator*).
Gastro-enteritis. Parasite in liver.
285. Passerine Ground Dove (*Columbigallina passerina*).
Acute enteritis.
286. Large-spotted Civet (*Viverra megaspila*).
Chronic tuberculosis of subcutaneous tissue of side.
Acute miliary tuberculosis of lungs and liver.
287. Sloth Bear (*Melursus ursinus*).
Tuberculosis of lungs. Subacute gastro-enteritis.

TABLE OF DISEASES, WITH THE VARIETY AND NUMBER
OF ANIMALS AFFECTED.

Tuberculosis.....	36 monkeys. 1 bear.	7 birds. 1 civet.	3 lemurs. 1 coati.
Inflammation of gastro-intes- tinal tract.....	7 monkeys. 1 capybara. 1 buffalo. 1 wallaby. 1 marmoset.	14 birds. 1 python. 1 ferret. 1 porcupine. 1 phalanger.	3 bears. 1 boar. 1 deer. 1 gazelle. 1 antelope.
Nephritis.....	2 deer. 1 marmoset.	1 pigeon. 1 monkey.	1 lemur. 1 ferret.
Necrosis of liver.....	4 birds.	2 monkeys.	1 porcupine;
Pneumonia (non-tubercular)..	3 monkeys. 1 ferret.	1 pigeon.	1 porcupine;
Peritonitis.....	1 tiger. 1 macaw.	1 monkey.	1 amazon.
Emphysema of lungs.....	1 marmoset.	1 monkey.	1 lemur.
Parasites in stomach and in- testines.....	1 monkey.	1 antelope.	1 skunk.
Myocarditis.....	1 macaw.	1 marmoset.	
Peritoneal hemorrhage.....	1 pigeon.	1 goose.	
Impaction of feces.....	1 parrakeet.	1 skunk.	
Foreign bodies in stomach....	1 bear.	1 buffalo.	
Abscess of liver.....	1 eagle.	1 monkey.	
Tape worms.....	1 kinkajou.	1 python.	
Pleurisy.....	2 monkeys.		
Hypertrophy of heart.....	2 monkeys.		
Abscess of lungs.....	1 dasyure.		
Malignant endocarditis.....	1 eagle.		
Fibrosis of vessels.....	1 swan.		
Atheroma.....	1 eagle.		
Gastric ulcer.....	1 bear.		
Volvulus.....	1 monkey.		

Impaction of bone in intestine	1 tiger.
Fatty degeneration of liver...	1 kinkajou.
Hepatosiis.....	1 monkey.
Abscess of spleen.....	1 eagle.
Rupture of spleen.....	1 pigeon.
Abscess of pancreas.....	1 monkey.
Pancreatitis.....	1 phalanger.
Cancer of lungs.....	1 lorikeet.
Cancer of breast.....	1 bear.
Cancer of intestine.....	1 dasyure.
Parasites in liver.....	1 swan.
Parasites in kidneys.....	1 monkey.
Fat necrosis.....	1 phalanger.
Puerperal sepsis.....	1 monkey.
Inflammation of thýroid gland	1 wolf.
Tumor of pelvis.....	1 wood rat.
Adenoma of scrotum.....	1 marmoset.
Hemorrhage into medulla and cord.....	1 monkey.
Abscess of jaw.....	1 deer.
Wound of abdomen.....	1 fox.
Wounds of eye and ear.....	1 wolf.

The examinations here recorded were made by Dr. C. Y. White at the Pepper Clinical Laboratory during the period from February 1st, 1904, to February 10th, 1905, since which time they have been conducted in the Society's Laboratory.

CHARLES B. PENROSE, M. D.

MARCH 1st, 1905.

LIST OF ADDITIONS TO THE MENAGERIE DURING THE YEAR
ENDING FEBRUARY 28TH, 1905.

1904.

- March 2. 1 sparrow hawk presented by Master Henriques Crawford, Philadelphia.
- “ 6. 1 Indian antelope born in the Gardens. 1 alligator presented by Edward M. Smith, Philadelphia.
- “ 7. 1 common marmoset presented by Miss Tillie Keller, Philadelphia
- “ 8. 1 spotted-tailed dasyure and 1 common dasyure purchased.
- “ 9. 5 wild canaries purchased.
- “ 10. 2 Amherst's pheasants, 4 wood pigeons purchased.
- “ 12. 1 alligator presented by Master George F. Simon, Philadelphia.
- “ 13. 1 hog deer born in the Gardens.
- “ 14. 1 western diamond rattlesnake purchased.
- “ 15. 11 Canada geese purchased.
- “ 16. 2 whistling swans purchased. 1 emperor boa presented by Frederick Mitchell, New York.
- “ 17. 2 king parrakeets purchased.
- “ 18. 3 pumas, 2 white ibises purchased.
- “ 20. 1 alligator presented by Miss Elizabeth Wildemore, Philadelphia.
- “ 21. 2 alligators presented by Jacob S. Disston, Chestnut Hill, Philadelphia. 1 European thrush, 1 chaffinch, 2 goldfinches, 2 bullfinches, 2 green linnets, 4 Madagascar weavers, 2 black-headed finches, 4 amadavine finches purchased.
- “ 22. 1 grivet monkey, 1 beaver, 2 roseate cockatoos purchased.
- “ 24. 1 yellow-cheeked amazon presented by Miss Alice E. Thorp, Logan, Pa. 1 alligator presented by Miss Mary Warburton, Philadelphia.
- “ 26. 1 red fox presented by B. F. Lewis, North Wales, Pa.
- “ 28. 1 alligator presented by M. Bernhart, Philadelphia.
- “ 30. 4 Hutchin's geese purchased.
- April 2. 1 alligator presented by John W. Hill, Overbrook, Philadelphia. 3 badgers, 9 spiny soft-shelled turtles purchased.
- “ 5. 2 melodious finches, 2 Cuban bullfinches, 2 Venezuela parrakeets, 2 blue-headed pigeons purchased.
- “ 6. 1 golden eagle presented by Mr. White, Tioga, Philadelphia.
- “ 7. 1 Indian antelope born in the Gardens. 1 bald eagle purchased.
- “ 9. 1 gray ichneumon, 2 Bullock's troupials, 2 yellow-tailed troupials, 1 Scott's troupial, 2 gray parrots, 4 undulated grass parrakeets purchased.
- “ 10. 1 young puma (σ) presented by William Bartels, New York City. 1 rusty cat, 1 fishing cat, 1 Bengalese cat, 1 Indian ratel, 2 pied mynahs, 2 rose-colored pastors, 2 golden-eyed babblers, 1 Russell's viper, 2 Indian rat snakes, 2 Indian eryx, 3 Bengalese monitors purchased.
- “ 11. 6 Lindeheimer's snakes, 4 DeKay's snakes, 9 garter snakes, 2 common water snakes, 1 striped water snake purchased.
- “ 12. 2 lions (σ and ♀), 2 black swans, 2 mandarin ducks purchased. 1 alligator presented by William Bergan, Philadelphia.
- “ 13. 1 alligator presented by Mrs. B. C. Warwick. 2 Beechey's spermophiles, 2 Price's chipmunks, 6 warty newts purchased.
- “ 15. 6 alligators presented by Miss Sydney H. Ellis, Philadelphia.

- April 16. 1 echidna, 1 concave-casqued hornbill (♂), 2 white pelicans, 2 hunting crows, 2 graceful ground doves, 1 great barbet, 1 Himalayan jay, 1 white-throated jay-thrush, 1 chestnut-bellied rock-thrush purchased. 4 gray wolves born in the Gardens. 1 alligator presented by B. Harrar, Philadelphia. 2 alligators presented by Master Robert Allen Walton.
- “ 18. 4 common jackals, 2 gray wood rats born in the Gardens. 1 anoa, 1 muntjac deer purchased.
- “ 19. 2 Asiatic white cranes, 1 pale-headed parrakeet, 4 spotted-sided finches, 2 masked grass finches purchased.
- “ 20. 1 one-banded toucan exchanged. 1 yellow-fronted amazon, 9 rainbow snakes, 6 western diamond rattlesnakes purchased.
- “ 22. 1 gray parrot presented by Mrs. F. M. Cody, Lansdowne, Pa. 1 alligator presented by John Costello, Philadelphia. 2 European pond tortoises purchased.
- “ 23. 2 gray squirrels presented by Thomas B. Rice, Jr.
- “ 24. 1 flying squirrel presented by Mrs. J. M. Thompson, Philadelphia.
- “ 25. 2 beautiful grass finches purchased. 2 long-tailed salamanders, 4 small-mouthed salamanders presented by Julius Hurter, St. Louis, Mo. 2 gray squirrels presented by Theodore B. Palmer, Philadelphia. 1 blue and yellow macaw presented by A. J. Drexel Biddle, Philadelphia.
- “ 26. 6 garter snakes, 2 DeKay's snakes presented by N. Cowperthwait, Philadelphia.
- “ 27. 4 Say's pine snakes, 2 whip snakes, 1 common water snake, 6 painted box tortoises, 2 scaled quail, 1 dorcas gazelle purchased.
- “ 29. 1 opossum presented by Frederick Reinauer.
- “ 30. 2 garter snakes presented by Master Charles Ritter, Philadelphia.
- May 1. 4 DeKay's snakes, 4 salamanders presented by Master George McGuigan. 8 burrowing owls purchased. 1 alligator presented by Master William Hewitt, Philadelphia. 2 alligators presented by Master Raymond Dermott, Philadelphia.
- “ 4. 1 black lemur (♀) born in the Gardens.
- “ 5. 1 mona monkey (♂) born in the Gardens. 1 Levaillant's amazon presented by Frank W. Lippincott, Philadelphia. 1 western diamond rattlesnake presented by J. Hope, Philadelphia. 3 western diamond rattlesnakes received in exchange.
- “ 6. 4 European rabbits, 1 prairie wolf born in the Gardens.
- “ 8. 1 box tortoise presented by Harry Souder, Philadelphia. 2 bullfrogs presented by H. A. Walters, Philadelphia. 3 garter snakes presented by Master George McGuigan, Philadelphia.
- “ 10. 7 silver pheasants born in the Gardens. 1 ground rattlesnake presented by Prof. John Marshall, Philadelphia. 3 rhesus monkeys purchased.
- “ 11. 2 Moor macaques, 2 entellus monkeys, 2 lesser white-nosed monkeys, 1 African porcupine, 1 rabbit-eared bandicoot, 1 concave-casqued hornbill (♀), 2 Selater's crowned pigeons, 3 California quail, 1 rosy parrakeet, 1 white-browed amazon, 2 vivaceous snakes, 2 spotted snakes, 2 dark-green snakes, 1 Lindheimer's snake, 1 Le Conte's snake purchased. 1 spiny-comb lizard presented by Robert H. Schilling, New York. 1 black snake presented by L. Torbet, Dallastown, Pa. 5 Brimley's newts presented by Julius Hurter, St. Louis, Mo. 2 red-tailed buzzards presented by Dr. W. Herbert Adams, Danville, Pa. 2 cowbirds, 5 yellow-headed blackbirds, 3 vesper sparrows,

- 6 clay-colored sparrows, 1 western diamond rattlesnake, 1 yellow-bellied blacksnake, 1 Say's king snake, 4 Say's pine snakes, 1 common pine snake, 1 western sand snake, 9 whip snakes, 17 collared lizards, 13 Texas spotted lizards, 2 Marcy's wave-lined lizards, 1 Holbrook's lizard purchased. 1 yellow-naped amazon presented by Master Milton Williams.
- May 13. 15 prairie dogs, 1 Indian python, 6 hog-nosed snakes, 4 Say's rattlesnakes, 3 banded water snakes purchased. 2 alligators presented by Henry C. Counsel, Philadelphia.
- " 14. 2 weeper capucins presented by Chas. W. Landell, Philadelphia. 1 American robin presented by Frank Sladek, Philadelphia. 3 ground rattlesnakes, 7 water moccasins, 4 black snakes, 2 Sacken's garter snakes, 1 keeled green snake, 5 harlequin snakes, 7 hog-nosed snakes, 1 indigo snake, 5 king snakes, 3 pine snakes, 4 banded water snakes, 5 whip snakes, 1 scarlet king snake, 16 green lizards, 7 wave-lined lizards purchased.
- " 15. 1 alligator presented by Master Jos. Casey, Philadelphia. 1 garter snake, 2 DeKay's snakes presented by Master George McGuigan, Philadelphia.
- " 16. 1 bullfrog presented by Fred. Weygold.
- " 18. 4 gopher tortoises, 6 Texas mud turtles, 1 short-bodied toad, 1 Couch's spade-foot toad purchased. 1 spotted terrapin presented by Guy Simpson, Philadelphia. 1 painted terrapin presented by Harry Simpson, Philadelphia.
- " 21. 1 raccoon and 7 menobranthus presented by Dr. Edward T. Reichert, Philadelphia. 1 alligator presented by Arthur W. Howe, Philadelphia.
- " 22. 1 Japanese macaque born in the Gardens, 1 Say's bull snake presented by Dr. E. A. Palmer, Blair, Neb. 1 pine snake presented by A. Letherbury, Philadelphia. 2 spotted terrapins presented by H. A. Walters, Philadelphia.
- " 23. 1 opossum and young presented by Stephen F. Cooper, Camden, N. J. 1 striped water snake exchanged. 5 salamanders presented by Julius Hurter, St. Louis, Mo. 1 common water snake presented by Charles Payne, Philadelphia. 1 common water snake presented by Master W. B. Houston, Philadelphia. 1 alligator presented by Master J. L. Deacon, Philadelphia. 1 alligator presented by Russell W. Hamilton, Philadelphia.
- " 24. 2 gray wood rats born in the Gardens, 2 orchard orioles, 1 Gila monster, 1 snapping terrapin purchased. 1 wood ibis, 2 Brazilian tree ducks, 2 red-breasted guans, and 1 white-eyebrowed guan presented by Mrs. Sophie Nuding, Norristown, Pa.
- " 25. 1 spotted terrapin and 1 box tortoise presented by F. W. Wood, Philadelphia.
- " 26. 1 black-handed spider monkey presented by T. Kelly, Germantown, Philadelphia. 1 alligator presented by C. H. Whitehead, Philadelphia.
- " 27. 1 gray squirrel presented by Leister K. Davis, Philadelphia. 12 horned lizards purchased.
- " 28. 7 striated terrapins presented by Charles O'Connor, Philadelphia. 2 water snakes, 1 garter snake presented by Master F. Dick, Philadelphia.
- " 30. 1 nylghaie, 1 hog deer born in the Gardens.
- " 31. 1 red deer born in the Gardens, 1 water snake presented by Rolando Silver, Philadelphia.

- June 1. 1 fallow deer born in the Gardens. 1 Timneh parrot purchased.
- “ 2. 6 European rabbits born in the Gardens. 1 diamond rattlesnake purchased. 1 box tortoise presented by Harry Simpson, Philadelphia.
- “ 3. 1 gray parrot presented by Mrs. Chas. W. Potts, Philadelphia.
- “ 4. 2 gray-breasted parakeets purchased.
- “ 5. 1 red deer and 3 golden pheasants born in the Gardens. 4 Muhlenberg's terrapins presented by H. A. Walter, Philadelphia. 1 alligator presented by Miss Bessie Clifton, Philadelphia.
- “ 6. 1 banded grass finch, 2 cutthroat finches, 2 chestnut-bellied finches, 1 chestnut-eared finch, 1 red-tailed finch, 1 amadavine finch, and 1 weaver presented by Mrs. E. R. Jones, Philadelphia. 11 American green lizards, 13 wave-lined lizards, and 1 six-lined lizard purchased.
- “ 7. 1 prong horn antelope born in the Gardens. 1 alligator presented by Miss J. DeHaven, Philadelphia.
- “ 8. 1 fallow deer born in the Gardens. 5 burrowing owls, 1 Say's pine snake, 2 Say's king snakes, 1 yellow-bellied black snake, 1 Marcy's garter snake, 6 western sand snakes, 1 hog-nosed snake, 5 water snakes, 2 king snakes purchased. 2 alligators presented by Pierre Roohr, Philadelphia.
- “ 9. 1 milk snake purchased. 1 milk snake presented by R. C. Bauman, Philadelphia.
- “ 10. 2 Virginia deer born in the Gardens. 1 loggerhead turtle presented by Mrs. J. K. Munyan, Camden, N. J.
- “ 12. 1 elk born in the Gardens.
- “ 13. 2 darters purchased.
- “ 14. 1 moustache monkey, 1 yellow-billed whistling thrush, 2 Russ' weavers, 2 Guayaquil parakeets, 4 European green lizards, 2 corn snakes, 1 hog-nosed snake purchased, 1 woodchuck presented by Arthur Brock, Lebanon, Pa. 3 goshawks presented by Otto Behr, Lopez, Pa.
- “ 15. 1 peacock presented by David H. Watts, Philadelphia.
- “ 16. 1 prairie dog presented by C. E. Goddard, Philadelphia. 1 Levaillant's amazon presented by Mrs. A. Datz, Philadelphia.
- “ 17. 3 nonpareil buntings presented by Joseph Deering, Chester, Pa. 4 diamond rattlesnakes, 4 ground rattlesnakes, 1 black snake, 2 garter snakes, 1 keeled green snake, 23 hog-nosed snakes, 3 indigo snakes, 12 king snakes, 3 pine snakes, 1 banded water snake, 1 brown water snake, 5 whip snakes purchased.
- “ 21. 2 double-crested cormorants purchased.
- “ 22. 2 lazuli buntings, 3 carpet snakes, 1 Marcy's garter snake, 4 Say's king snakes, and 2 Say's pine snakes purchased.
- “ 23. 1 kingfisher presented by Robt. A. Boyce, Cornwells, Pa.
- “ 25. 1 milk snake presented by Mrs. E. M. Kelly, Sellersville, Pa. 4 swift foxes purchased.
- “ 26. 1 bullfrog presented by Harry Simpson, Philadelphia. 1 water snake presented by Master F. W. Dick, Philadelphia.
- “ 28. 1 American bison (♀) and 1 Mearn's deer (♂) born in the Gardens.
- “ 29. 1 white-fronted amazon presented by C. A. Broomall, Philadelphia. 1 pine snake presented by J. W. Cousins, Tuckahoe, N. J.
- July 1. 5 mallard ducks born in the Gardens.
- “ 3. 1 prairie wolf abandoned by owner and captured at City Water Works. 1 pig-tailed monkey purchased. 2 alligators pre-

- sented by Mrs. C. J. Cole, Philadelphia. 3 keeled green snakes presented by W. A. Walters, Philadelphia.
- July 4. 1 alligator presented by I. C. Miller, Philadelphia. 2 water snakes presented by Master F. W. Dick, Philadelphia.
- “ 5. 1 Indian antelope born in the Gardens. 1 great-horned owl presented by Mrs. Grace Miller, Philadelphia. 1 alligator presented by R. Roth, Philadelphia.
- “ 6. 1 iguana presented by Mrs. Sophie Nuding, Norritonville, Pa.
- “ 7. 2 gray squirrels presented by L. W. Kenney, North East, Del. 1 white-haired porcupine presented by Prof. H. A. Surface, Harrisburg, Pa.
- “ 8. 1 Sagra's lizard presented by H. B. Parker & Co., Philadelphia.
- “ 12. 1 yellow-throated parakeet, 1 bishop weaver, 1 black-bellied weaver presented by Sheldon P. Ritter, Philadelphia.
- “ 16. 1 woodchuck presented by F. C. Schiller, Philadelphia. 1 pine snake presented by Enoch Stevenson, Tuckahoe, N. J.
- “ 17. 2 Muhlenberg's terrapins presented by H. A. Walters, Philadelphia.
- “ 18. 1 pine snake presented by W. H. Simmerman, Camden, N. J.
- “ 19. 1 white-haired porcupine presented by Horace H. Platt, Philadelphia. 1 alligator presented by R. L. Miller, Philadelphia. 2 white-winged doves, 1 silver-blue tanager, 1 palm tanager purchased.
- “ 21. 2 tufted ducks purchased.
- “ 22. 5 European rabbits born in the Gardens.
- “ 24. 1 garter snake presented by S. M. Harrison, Media, Pa.
- “ 25. 1 sooty mangabey, 1 gray-cheeked mangabey purchased.
- “ 27. 1 alligator presented by Donelson W. Hoopes, Germantown, Philadelphia.
- “ 29. 1 weeper capucin presented by C. A. Wilson, Bethlehem, Pa.
- Aug. 2. 1 yellow baboon purchased.
- “ 3. 1 pine snake presented by Charles Lloyd, Millville, N. J.
- “ 4. 1 snapping terrapin presented by Master Charles Ritter, Philadelphia.
- “ 5. 1 guinea baboon, 1 long-nosed snake, 7 pine snakes, 1 diamond rattlesnake purchased. 7 ground rattlesnakes born in the Gardens.
- “ 6. 1 American bison (♂) born in the Gardens. 1 yellow-billed cuckoo presented by John Geiger, Philadelphia.
- “ 9. 2 starred lizards, 2 green lizards, 12 American green lizards, 12 horned lizards, 2 long-nosed vipers, 1 common viper, 2 cerastes vipers, 1 San Domingo tree boa, and 4 spotted salamanders purchased.
- “ 10. 4 banded rattlesnakes, 1 copperhead purchased. 10 banded water snakes born in the Gardens.
- “ 11. 1 yellow-shouldered amazon presented by Mrs. W. C. Breitmeyer, Philadelphia.
- “ 12. 1 robust kangaroo born in the Gardens.
- “ 18. 1 alligator presented by Master John Stortz, Philadelphia.
- “ 19. 1 barn owl presented by Peter Raum, Berwyn, Pa.
- “ 20. 2 passerine ground doves, 1 silver-blue tanager, and 2 European glass snakes purchased. 1 yellow-throated parakeet presented by Mrs. C. M. Townsend, Philadelphia. 1 alligator presented by Charles Kleindnecht, Philadelphia.
- “ 21. 1 entellus monkey, 1 sooty mangabey purchased. 1 alligator presented by Master Mike Herlinger, Philadelphia.
- “ 22. 1 tigrine salamander purchased.

- Aug. 23. 1 Asiatic white crane, 1 Egyptian mastigure, 1 asp viper, 2 wall lizards purchased.
- “ 24. 2 black swans, 1 roseate spoonbill, 1 white-faced glossy ibis, 1 white ibis, and 5 western diamond rattlesnakes purchased.
- “ 25. 1 raccoon-like dog exchanged.
- “ 26. 1 common horned lizard presented by J. W. Winter, Gladwyn, Pa.
- “ 27. 1 blue-fronted amazon presented by Mrs. Sarah G. Schramm, Merchantville, N. J.
- “ 30. 2 red monkeys, 2 white-collared mangabeys, 2 ring-tailed lemurs, and 2 black lemurs purchased.
- Sept. 4. 2 killdeer plover purchased.
- “ 5. 1 painted terrapin presented by Thomas Pearsall, Philadelphia.
- “ 6. 1 milk snake presented by Alan M. Rodgers, Philadelphia.
- “ 8. 2 pine snakes purchased.
- “ 10. 1 Fournier's capromys presented by William A. Buchanan, Philadelphia. 1 milk snake presented by Master R. W. Cuthbert, Jr., Philadelphia.
- “ 13. 2 hairy-rumped agoutis, 3 desert mice born in the Gardens. 1 night hawk presented by H. R. Hendricks, Philadelphia.
- “ 16. 1 banded rattlesnake presented by Dr. Franklin F. Massey, Philadelphia.
- “ 17. 1 Virginia rail presented by Harlan M. Granger, Philadelphia. † 10 milk snakes, 6 ring-necked snakes, 6 young banded rattlesnakes, and 8 young copperhead snakes presented by The New York Zoological Society. 1 milk snake, 1 snapping terrapin presented by Master R. W. Cuthbert, Jr., Philadelphia. 2 alligators presented by Master Laurence Klauder, Philadelphia. 1 alligator presented by Miss Ruth Taylor, Camden, N. J.
- “ 20. 2 red-footed kestrels presented by the second officer of the steamship “Energie.” 2 Hardwick's mastigures purchased.
- “ { 21. 1 Indian antelope born in the Gardens. 1 two-spotted paradoxure, 1 gray ichneumon, 1 black and white lemur, 1 vervet monkey, 1 white-throated monkey, 1 golden oriole, 2 orange-cheeked finches, 2 red-tailed finches, 2 common waxbills, 2 chestnut-eared finches, 2 zebra finches, 1 long-tailed grass finch, 1 Wagler's conure, 1 Cuban sparrow hawk purchased.
- “ 22. 1 black-handed spider monkey, 1 crab-eating raccoon, 1 South American rice grackle, 1 white-backed piping crow, 1 Pennant's parakeet, and 1 diamond-backed terrapin purchased. 14 western diamond rattlesnakes born in the Gardens. 2 American crows presented by George Beckel, Philadelphia.
- “ 23. 2 West African love birds purchased.
- “ 24. 1 alligator presented by Miss A. T. Hill, Philadelphia.
- “ 27. 3 white-footed mice presented by Harold Purves Murphy, Philadelphia. 1 alligator presented by L. C. Roth, Philadelphia.
- “ 28. 1 white-lipped frog presented by O. Eggeling, New York. 1 wandering lizard purchased.
- “ 30. 1 opossum presented by E. H. Burton, Philadelphia. 1 festive amazon purchased.
- Oct. 1. 2 North African ostriches, 1 low-crested iguana purchased. 1 swift snake presented by F. Mitchell, New York. 1 garter snake presented by Benjamin Yewdall, Philadelphia.
- “ 2. 1 American robin presented by Robert S. Wallis, Philadelphia.
- “ 3. 1 lesser white-nosed monkey purchased.

- Oct. 4. 3 edible frogs purchased. 1 screech owl presented by Sister De Paul, St. Joseph's Hospital, Philadelphia. 1 loggerhead turtle presented by the Technical Society of Philadelphia.
- " 5. 1 box tortoise presented by Miss Myrtle Woodlyn, Philadelphia.
- " 11. 1 common chameleon purchased.
- " 13. 1 king rail presented by Dr. E. J. Thornton, Philadelphia. 1 canary presented by Miss Marguerite Tollinger, Philadelphia.
- " 14. 1 red fox presented by Miss M. Elizabeth Keever, Philadelphia.
- " 15. 1 opossum presented by F. G. Shourds, Philadelphia. 1 yellow-ammer, 1 bullfinch, 1 goldfinch, 1 linnet purchased.
- " 17. 8 slimy salamanders purchased. 1 red-faced spider monkey presented by Miss E. Adele Sproat, Westtown, Pa.
- " 18. 1 alligator presented by Irving Hollowell, Philadelphia.
- " 19. 5 fruit bats purchased.
- " 20. 1 DeKay's snake presented by Miss Emily Porter, Philadelphia.
- " 21. 1 pig-tailed monkey born in the Gardens. 2 Gambel's quail purchased. 1 alligator presented by George Charlton, Philadelphia.
- " 23. 1 milk snake presented by Masters Kucher and Malin, Philadelphia. 1 alligator presented by Master Fred. D. Steese, Philadelphia. 3 bullfrogs, 3 alligators presented by J. H. Steelman, Philadelphia.
- " 24. 3 painted box tortoises, 3 mud turtles, and 8 western brook frogs purchased.
- " 25. 1 American coot presented by M. Nicholson, Philadelphia. 1 night heron presented by Francis G. Dupont, Montchanin, Del.
- " 30. 1 DeKay's snake presented by Edward F. Carey, Philadelphia.
- " 31. 2 Java sparrows presented by Dr. E. B. Fanning, Philadelphia.
- Nov. 3. 1 pig-tailed monkey, 3 raccoons, 1 bare-eyed pigeon purchased.
- " 5. 1 American coot presented by Jesse Murray, Philadelphia. 2 white-breasted finches, 2 chestnut-breasted finches, 2 St. Thomas conures purchased.
- " 7. 1 red and yellow macaw presented by Mrs. Ida V. Shallcross, Wissinoming, Pa.
- " 8. 3 alligators presented by William K. Barclay, Philadelphia. 1 alligator presented by Harry E. Bodine, Jr., Philadelphia.
- " 11. 1 red-tailed buzzard presented by George Moody, Philadelphia.
- " 12. 1 kinkajou purchased.
- " 14. 2 western diamond rattlesnakes, 1 Say's rattlesnake, 6 Say's pine snakes, 2 western sand snakes, 2 whip snakes purchased.
- " 15. 10 elegant garter snakes, 6 many-keeled lizards, 2 Burnett's lizards, 10 occidental wave-lined lizards purchased. 1 gopher tortoise presented by Henry C. Perring, Philadelphia.
- " 17. 2 Brazilian tapirs (♂ and ♀), 1 capybara, 1 collared peccary presented by Harry Nuding, Para, Brazil.
- " 19. 1 bald eagle purchased. 12 Marcy's garter snakes born in the Gardens. 3 alligators presented by Fletcher Schaum, Philadelphia.
- " 20. 1 diamond rattlesnake purchased.
- " 21. 2 glossy ibis, 7 western diamond rattlesnakes, 1 Say's pine snake, 5 Berlandier's tortoises, 1 mobile terrapin purchased. 1 great-horned owl presented by Miles Henderson, Jr., Neff's Mills, Pa.
- " 25. 2 mongoose lemurs purchased. 1 great-horned owl presented by C. A. Bradenburgh, Philadelphia.
- " 30. 1 Chapman's zebra (♂) born in the Gardens.
- Dec. 1. 1 hobby, 1 diamond rattlesnake purchased.

- Dec. 7. 3 red brockets presented by Harry Nuding, Para, Brazil.
 " 11. 1 screech owl presented by F. H. Greenwalt, Philadelphia.
 " 18. 1 rough-legged buzzard purchased. 4 flying squirrels presented by H. Crawley, Wyncote, Pa.
 " 19. 1 alligator presented by Miss Else Steeven, Philadelphia.
 " 20. 1 yellow-bellied black snake, 3 elegant garter snakes, 2 Pacific ring-necked snakes, 1 California pine snake, 3 many-keeled lizards, 1 mottled salamander, 2 Pacific toads purchased.
 " 23. 1 great-horned owl presented by Hugh L. Kerwin, Wellsboro, Pa.
 " 28. 1 common macaque monkey presented by A. D. Peck, Philadelphia.
 " 29. 1 flying squirrel presented by H. Crawley, Wyncote, Pa. 2 spotted-sided finches, 4 modest grass finches purchased.
- 1905.
- Jan. 4. 1 green monkey, 1 black-handed spider monkey, 1 mocking bird, 2 cardinal red birds, 1 giant kingfisher, 2 blossom-headed parakeets, 2 yellow-throated parakeets, 1 yellow-fronted amazon, 2 cactus conures, 1 Leadbeater's cockatoo purchased.
 " 8. 1 flying squirrel presented by H. Crawley, Wyncote, Pa.
 " 11. 2 modest grass finches purchased.
 " 17. 1 opossum presented by J. T. Biles, Philadelphia.
 " 20. 1 Indian antelope born in the Gardens.
 " 24. 1 red squirrel presented by Charles E. Roth, Philadelphia.
 " 26. 1 Indian antelope born in the Gardens. 5 red salamanders purchased.
- Feb. 2. 1 European green lizard, 20 wall lizards, 2 Greek tortoises purchased.
 " 3. 2 gray foxes purchased.
 " 4. 1 hog deer born in the Gardens.
 " 6. 1 gray squirrel presented by Wm. H. Higgins, Philadelphia.
 " 9. 1 skunk purchased.
 " 10. 8 diamond-backed terrapins presented by Dr. Thomas Biddle, Philadelphia.
 " 13. 3 black bears born in the Gardens. 1 robust kangaroo born in the Gardens.
 " 16. 1 snowy owl purchased.
 " 19. 1 white Java sparrow presented by P. F. Harpel, Philadelphia.
 " 21. 2 golden-headed conures purchased.
 " 22. 2 banded rattlesnakes purchased.
 " 24. 1 boa constrictor purchased.
 " 25. 1 raccoon presented by Prof. H. A. Surface, Harrisburg, Pa. 1 alligator presented by Rowland Orum, Philadelphia.
 " 26. 2 Bactrian camels (♂ and ♀) purchased.
 " 27. 1 red-shouldered buzzard presented by John W. Nichols, Downingtown, Pa.
 " 28. 1 ocelot presented by Wm. M. Roach, Chester, Pa.



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