

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

LETTER

FROM

THE SECRETARY OF THE SMITHSONIAN INSTITUTION,

TRANSMITTING

A statement of the expenditures for the fiscal year 1890, under the appropriations for "International Exchanges," "National Museum," "North American Ethnology," and "National Zoological Park."

DECEMBER 12, 1890.—Referred to the Committee on Expenditures in the Interior Department.

SMITHSONIAN INSTITUTION,
Washington, D. C., December 11, 1890.

SIR: In accordance with a provision in the sundry civil act of October 2, 1888, I have the honor to submit to Congress a detailed statement of the expenditures for the fiscal year 1890, under the appropriations for "International Exchanges," the "National Museum," and "North American ethnology."

I also submit an account of the expenditures of the "National Zoological Park," placed under the direction of the Regents of the Smithsonian Institution by the act of April 30, 1890.

I have the honor to be, very respectfully, your obedient servant,
S. P. LANGLEY,
Secretary.

Hon. THOMAS B. REED,
Speaker of the House of Representatives.

INTERNATIONAL EXCHANGES.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for expenses of the system of international exchanges between the United States and foreign countries under the direction of the Smithsonian Institution, including salaries or compensation of all necessary employes" (sundry civil act, March 2, 1889; public 154, p. 16) \$15,000.00

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Expenditures from July 1, 1889, to June 30, 1890.

Salaries or compensation :

1 curator, 12 months, at \$208.33	\$2,499.96
1 clerk, 12 months, at \$150	1,800.00
1 clerk, 12 months, at \$110	1,320.00
1 clerk, 12 months, at \$80	960.00
1 clerk, 12 months, at \$75	900.00
1 clerk, 11 months, at \$75	825.00
1 clerk, 12 months, at \$70	840.00
1 copyist, 4 months, at \$30	120.00
1 copyist, 8 months, at \$35	280.00
1 copyist, 9 days, at \$60	17.42
1 copyist, 27 days, at \$30	27.86
1 copyist, 1 month, at \$30	30.00
1 packer, 12 months, at \$75	900.00
1 packer, 12 months, at \$50	600.00
1 laborer, 12 months, at \$40	480.00
1 laborer, 8 days, at \$1.50	12.00
1 laborer, 6½ days, at \$1.50	9.75
1 laborer, 4 days, at \$1.50	6.00
1 laborer, 3½ days, at \$1.50	5.25
Do	5.25
1 agent (Germany), 12 months, at \$83.33½	1,000.00
1 agent (England), 12 months, at \$41.66½	500.00

Total salaries or compensation 13,138.49

General expenses :

Freight	998.67
Packing boxes	443.41
Printing	146.00
Postage	144.52
Stationery and supplies	116.92

Total expenditure international exchanges \$14,988.01

Balance July 1, 1890 11.99

Expenditure from July 1 to November 30, 1890.

Freight	\$11.45
Stationery54
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	\$11.99

Account closed.

Detailed list of vouchers for expenditures for international exchanges, 1889-90.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	A. F. Adams, services	\$17.42	21	Adams Express Company, freight	\$4.26
2	Pay roll (one-half July), services	377.50	22	Oelrichs & Co., freight	3.23
3	W. C. Winlock, services	208.33	23	W. C. Winlock, services	208.33
4	Pay roll (one-half July), services	377.50	24	Pay roll (one-half August), services	377.50
5	W. H. Myers, grinding shears	1.93	25	Pay roll (one-half September), services	377.50
6	Taylor & Co., printing	7.50	26	John C. Parker, stationery	7.57
7	Oelrichs & Co., freight	2.85	27	E. Morrison, stationery,	19.05
8	do	9.00	28	E. E. Jackson & Co., packing boxes	246.75
9	do	2.30	29	Barber & Co., freight	5.19
10	Schnell, Metzger & Co., freight	5.34	30	George W. Knox, freight	61.77
11	Barber & Co., freight	5.96	31	Z. D. Gilman, soap .....	.75
12	do	5.19	32	Oelrichs & Co., freight	11.11
13	Washington City post office, postage	50.00	33	W. C. Winlock, services	208.33
14	Pay roll (one-half August), services	377.50	34	Pay roll (one-half September), services	377.50
15	A. Yeatman, services	6.00	35	Barber & Co., freight	7.04
16	Henry Stainhice	9.75	36	Oelrichs & Co., freight	3.49
17	S. W. Stanley, services	12.00	37	Pay roll (one-half October), services	377.50
18	Geo. Le Cointe, services	5.25			
19	J. F. Robay, services	5.25			
20	Thos. R. Mitchell, printing	7.50			

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

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Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
38	George W. Knox, freight.....	\$97.24	89	Gustav E. Stechert, freight.....	\$0.85
39	Custav E. Stechert, freight.....	1.50	90	B. Westermann & Co., freight....	2.25
40	Byron S. Adam, printing.....	79.50	91	W. C. Winlock, services.....	208.98
41	Oelrichs & Co., freight.....	4.48	92	Pay roll (one-half January), serv- ices.....	380.00
42	W. C. Winlock, services.....	208.33	93	United States Express Company, freight.....	1.85
43	Pay roll (one-half October), serv- ices.....	377.50	94	Z. D. Gilman, soap.....	.75
44	Oelrichs & Co., freight.....	1.10	95	Wm. Wesley & Son, services.....	250.00
45	do.....	2.60	96	Felix Flügel, services.....	500.00
46	do.....	5.98	97	Barber & Co., freight.....	5.19
47	George W. Knox, freight.....	82.26	98	E. Morrison, paper.....	4.05
48	United States Express Co., freight do.....	2.90	99	Pay roll (one-half February), serv- ices.....	362.80
49	do.....	.50	100	Vernon H. Brown & Co., freight....	4.81
50	Wm. Ballantyne & Son, stationery.....	11.70	101	Oelrichs & Co., freight.....	1.43
51	Judd & Detweiler, printing.....	28.50	102	Wm. Ballantyne & Son, stationery.....	7.54
52	Adams Express Company, freight.....	1.35	103	W. C. Winlock, services.....	208.33
53	Pay roll (one-half November), services.....	380.00	104	Pay roll (one-half February), serv- ices.....	395.00
54	Barber & Co., freight.....	5.17	105	Oelrichs & Co., freight.....	4.00
55	A. Schumacher & Co., freight....	25.94	106	W. S. Whitmore, rubber stamps....	.85
56	Oelrichs & Co., freight.....	4.36	107	S. L. Merchant & Co., freight.....	1.50
57	W. C. Winlock, services.....	208.33	108	Oelrichs & Co., freight.....	2.40
58	Pay roll (one-half November), services.....	380.00	109	Church & Stephenson, lumber.....	3.92
59	Wm. Ballantyne & Son, stationery.....	12.44	110	Adams Express Company, freight....	1.25
60	J. C. Parker, stationery.....	5.35	111	Barber & Co., freight.....	14.02
61	Thos. R. Mitchell, printing.....	9.50	112	United States Express Company, freight.....	3.00
62	L. H. Schneider's Son, hardware....	3.03	113	Pay roll (one-half March), serv- ices.....	395.00
63	Oelrichs & Co., freight.....	8.90	114	Oelrichs & Co., freight.....	2.40
64	E. Morrison, paper.....	4.03	115	Geo. W. Knox, freight.....	85.72
65	R. E. Jackson & Co., packing boxes.....	175.25	116	W. C. Winlock, services.....	208.33
66	Thos. R. Mitchell, printing.....	2.00	117	Pay roll (one-half March), serv- ices.....	395.00
67	Adams Express Company, freight....	1.15	118	Pay roll (one-half April), services....	380.00
68	Geo. W. Knox, freight.....	22.05	119	Wm. Wesley & Son, books.....	1.34
69	Pay roll (one-half December), serv- ices.....	380.00	120	Wm. Wesley & Son, freight.....	45.80
70	F. P. May & Co., excelsior for packing.....	1.28	121	Washington City post office, postage.....	20.00
71	Oelrichs & Co., freight.....	2.55	122	Oelrichs & Co., freight.....	4.60
72	Chas. L. French, freight.....	2.00	123	do.....	4.18
73	Vernon H. Brown & Co., freight....	13.65	124	Barber & Co., freight.....	13.76
74	W. C. Winlock, services.....	208.33	125	do.....	14.54
75	Pay roll (one-half December), services.....	380.00	126	W. C. Winlock, services.....	208.83
76	Alaska Commercial Company, freight.....	2.50	127	Pay roll (one-half April), services....	380.00
77	Pay roll (one-half January), serv- ices.....	380.00	128	Pay roll (one-half May), services....	380.00
78	Washington City post office, post- age.....	30.00	129	W. C. Winlock, services.....	208.33
79	E. E. Jackson & Co., packing boxes.....	10.20	130	Pay roll (one-half May), services....	380.00
80	Judd & Detweiler, printing.....	11.50	131	Pay roll (one-half June), services....	342.50
81	John C. Parker, stationery.....	30.07	132	W. C. Winlock, services.....	208.33
82	Oelrichs & Co., freight.....	20.36	133	Wm. Wesley & Son, services.....	250.00
83	Wm. Wesley & Son, freight.....	132.08	134	Felix Flügel, services.....	500.00
84	Geo. W. Knox, freight.....	76.34	135	Pay roll (one-half June), services....	342.50
85	do.....	147.12	136	Southern Pacific Co., freight.....	1.06
86	Oelrichs & Co., freight.....	4.58	137	Union Pacific R. R., freight.....	1.28
87	Barber & Co., freight.....	31.76	138	Chicago, Burlington and Quincy R. R.....	.27
88	A. Schumacher & Co., freight.....	12.64	139	Geo. W. Knox, freight.....	1.17
			140	Wm. Ballantyne & Son, pens.....	.54
			141	Barber & Co., freight.....	10.28

UNITED STATES NATIONAL MUSEUM.

PRESERVATION OF COLLECTIONS.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for the preservation, exhibition, and increase of the collections from the surveying and exploring expeditions of the Government, and from other sources, including salaries or compensation of all necessary employes" (sundry civil act, March 2, 1889. Public 154, p. 16)..... \$140,000.00

*Expenditures from July 1, 1889, to June 30, 1890.**

DIRECTION.

1 Assistant Secretary Smithsonian Institution, in charge U. S. National Museum (12 months), at \$333.33 \$3,999.96

SCIENTIFIC STAFF.

1 curator, 12 months, at \$200	\$2,400.00
Do	2,400.00
Do	2,400.00
1 curator, 12 months, at \$175	2,100.00
1 curator, 9 months, at \$175	1,575.00
1 curator, 3 months, at \$175	525.00
1 curator, 12 months, at \$150	1,800.00
1 curator, 8 months, 11 days, at \$150	1,253.23
1 curator, 12 months, at \$125	1,500.00
1 curator, 11 months, at 100	1,100.00
1 acting curator, 12 months, at \$150	1,800.00
1 assistant curator, 12 months, at \$133.33	1,599.96
Do	1,599.96
1 assistant curator, 9 months, at \$50; 3 months, at \$125	825.00
1 assistant curator, 12 months, at \$100	1,200.00
1 assistant curator, 5 months, 19 days, at \$100	561.29
1 agent, 12 months, at \$100	1,200.00
1 collector, 12 months, at \$80	960.00
1 aid, 12 months, at \$80	960.00
1 aid, 6 months, 18 days, at \$80	526.45
1 aid, 12 months, at \$75	900.00
1 aid, 4 months, 23 days, at \$75	355.65
1 aid, 12 months, at \$65	780.00
1 aid, 11 months, 16 days, at \$60	690.97
1 aid, 8 months, 10 days, at \$55	457.74
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	31,470.25

CLERICAL STAFF.

1 chief clerk, 12 months, at \$175	2,100.00
1 corresponding clerk, 12 months, at \$158.33	1,899.96
1 registrar, 12 months, at \$158.33	1,899.96
1 disbursing clerk, 12 months, \$100	1,200.00
1 draughtsman, 12 months, at \$83.33	999.96
1 assistant draughtsman, 12 months, at \$40	480.00
1 clerk, 4 months, 20 days, at \$125	580.65
1 clerk, 12 months, at \$115	1,380.00
Do	1,380.00
1 clerk, 12 months, at \$100	1,200.00
Do	1,200.00
1 clerk, 12 months, at \$90	1,080.00
Do	1,080.00

*NOTE.—The payments of salaries for parts of months in January, March, July, August, October, and December are made on the basis of 31 days, and for the other months (except February) at 30 days.

Expenditures from July 1, 1889, to June 30, 1890—Continued.

CLERICAL STAFF—continued.

1 clerk, 11 months, 22 days, at \$83.33.....	\$969.86
1 clerk, 12 months, at \$75	900.00
1 clerk, 12 months, at \$70	840.00
1 clerk, 10 months, 15 days, at \$70	733.87
1 clerk, 6 months, at \$55; 6 months, at \$60.....	690.00
1 clerk, 12 months, at \$60.....	720.00
1 clerk, 3 months, at \$45; 3 months, 25 days, at \$60.....	363.39
1 clerk, 1 month, 17 days, at \$60.....	92.90
1 clerk, 12 months, at \$55.....	660.00
Do	660.00
1 clerk, 2 months, at \$55	110.00
1 clerk, 12 months, at \$50	600.00
Do	600.00
Do	600.00
1 clerk, 9 months, at \$50	450.00
1 clerk, 2 months, at \$75; 8 months, at \$60; 2 months, at \$55.....	740.00
1 stenographer, 3 months, 18 days, at \$100.....	364.29
1 typewriter, 12 months, at \$50.....	600.00
1 copyist, 12 months, at \$55	660.00
1 copyist, 12 months, at \$50.....	600.00
Do	600.00
Do	600.00
Do	600.00
1 copyist, 4 months, at \$46.66.....	186.64
1 copyist, 12 months, at \$45.....	540.00
1 copyist, 3 months, 8 days, at \$40	130.67
1 copyist, 5 months, 19 days, at \$40	224.52
1 copyist, 12 months, at \$40	480.00
1 copyist, 8 months, 16 days, at \$40	340.65
1 copyist, 12 months, at \$40	480.00
1 copyist, 7 months, 16 days, at \$40	301.33
1 copyist, 2 months, 28 days, at \$40; 29 days, at \$1.50.....	160.83
1 copyist, 12 months, at \$35	420.00
1 copyist, 6 months, 9 days, at \$35.....	220.16
1 copyist, 11 months, 10 days, at \$35.....	396.29
1 copyist, 7 months, 13 days, at \$30.....	223.00
1 copyist, 12 months, at \$30.....	360.00
1 copyist, 5 months, 16 days, at \$25.....	137.90

 34, 836.83

PREPARATORS.

1 colorist, 12 months, at \$110	1,320.00
1 photographer, 12 months, at \$158.33.....	1,899.96
1 taxidermist, 12 months, at \$125	1,500.00
1 taxidermist, 3 months at \$115; 4 months, at \$40; 5 months, at \$15.....	580.00
1 taxidermist, 12 months, at \$80.....	960.00
1 assistant taxidermist, 8 months, at \$60.....	480.00
1 assistant taxidermist, 12 months, at \$60.....	720.00
1 assistant taxidermist, 10 months, at \$60.....	600.00
1 assistant taxidermist, 12 months, at \$60.....	720.00
1 assistant taxidermist, 3 months, 29 days, at \$50.....	196.77
1 preparator, 12 months, at \$100.....	1,200.00
1 preparator, 12 months, at \$80.....	960.00
1 preparator, 12 months, at \$75.....	900.00
1 preparator, 12 months, at \$60.....	720.00
1 preparator, 2 months, at \$120; 2 months, at \$105; 8 months, at \$80.....	1,090.00
1 preparator, 179½ days, at \$4 per diem.....	718.00

 14,564.73

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Expenditures from July 1, 1889, to June 30, 1890.

BUILDINGS AND LABOR.

1 superintendent of buildings, 12 months, at \$137.50	\$1,650.00
1 assistant superintendent of buildings, 12 months, at \$90	1,080.00
1 watchman, 12 months, at \$65	780.00
1 watchman, 12 months, at \$60	720.00
Do	720.00
1 watchman, 12 months, at \$50	600.00
Do	600.00
Do	600.00
Do	600.00
Do	600.00
Do	600.00
Do	600.00
1 watchman, 10 months, at \$50	500.00
1 watchman, 8 months, 116 days, at \$50	593.33
1 watchman, 1 month, at \$40; 1 month, at \$45; 8 months, at \$50; 19 days, at \$50	515.65
1 watchman, 10 months, 19 days, at \$50	530.65
1 watchman, 9 months, 19 days, at \$50	481.67
1 watchman, 12 months, at \$45	540.00
1 watchman, 11 months, 27 days, at \$45	535.50
1 watchman, 12 months, at \$45	540.00
1 skilled laborer, 10 months, at \$70	700.00
1 skilled laborer, 12 months, at \$50	600.00
1 skilled laborer, 4 months, 25 days, at \$50	244.64
1 skilled laborer, 6 months, at \$50	300.00
1 skilled laborer, 3 months, 25 days, at \$40	153.33
1 skilled laborer, 54 days, at \$2.50, 154 days at \$2	443.00
1 skilled laborer, 77 days, at \$1.50	115.50
1 laborer, 6 months at \$45, 169 days, at \$1.50	523.50
1 laborer, 10 months, at \$45	450.00
1 laborer, 4 months, at \$45	180.00
1 laborer, 9 months, at \$40	360.00
1 laborer, 12 months, at \$40	480.00
1 laborer, 9 months, at \$40, 2 days, at \$1.50	363.00
1 laborer, 12 months, at \$40	480.00
1 laborer, 64 days, at \$1.50	96.00
1 laborer, 11 months, at \$40, 19 days, at \$47, 35 days, at \$1.50	521.61
1 laborer, 312 days, at \$1.50	468.00
1 laborer, 10 months, at \$40, 36 days, at \$1.50	454.00
1 laborer, 12 months, at \$40, 1 day, at \$1.71	481.71
1 laborer, 103½ days, at \$1.50	155.25
1 laborer, 12 months, at \$40, 3 days, at \$1.50	484.50
1 laborer, 317 days, at \$1.50	475.50
1 laborer, 126½ days, at \$1.50	189.75
1 laborer, 12 months, at \$40, 1 day, at \$1.50	481.50
1 laborer, 100 days, at \$1.50	150.00
1 laborer, 329 days, at \$1.50	493.50
1 laborer, 315 days, at \$1.50	472.50
1 laborer, 317½ days, at \$1.50	476.00
1 laborer, 161 days, at \$1.50	241.50
1 laborer, 254 days, at \$1.50	381.00
1 laborer, 51 days, at \$1.75	89.25
1 laborer, 12 months, at \$40, 1 day, at \$1.50	481.50
1 attendant, 12 months less 1 day, at \$40	478.71
1 attendant, 11 months, at \$40, 1 month, at \$35	475.00
1 cleaner, 12 months, at \$30	360.00
1 cleaner, 155 days, at \$1	155.00
1 cleaner, 270 days, at \$1	270.00
1 cleaner, 12 months, at \$30	360.00
Do	360.00
1 messenger, 12 months, at \$45	540.00
Do	540.00
1 messenger, 3 months, at \$35	105.00
1 messenger, 12 months, at \$25	300.00
Do	300.00
1 messenger, 9 months, at \$25	225.00

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

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Expenditures from July 1, 1889, to June 30, 1890—Continued.

BUILDINGS AND LABOR—continued.

1 messenger, 11 months, 23 days, at \$25.....	\$293.55
1 messenger, 2 months, 29 days, at \$20.....	59.33
1 messenger, 8 months, 4 days, at \$20.....	162.58
1 messenger, 12 months, at \$20.....	240.00
1 messenger, 311 days, at \$1.25.....	388.75
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	30,985.76
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TEMPORARY HELP.

Scientific staff:

1 specialist, 26 days at \$150 per month.....	\$125.81
1 expert, 25 days, at \$4 per diem.....	100.00
1 aid, 1 month 25 days, at \$55 per month.....	99.35
1 aid, 14 days, at \$50 per month.....	23.33
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	\$348.49

Clerical staff:

1 clerk, 1 month, at \$45 per month.....	45.00
1 typewriter, 17 days, at \$60 per month.....	34.00
1 typewriter, 30 days, at \$35 per month.....	34.14
1 copyist, 1 month, at \$60.....	60.00
1 copyist, 1 month 23 days, at \$45.....	79.50
1 copyist, 1 month, at \$40.....	40.00
1 copyist, 26 days, at \$45 per month.....	41.78
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	334.42

Preparators:

1 taxidermist, 2 months, at \$50 per month.....	100.00
1 preparator, 24 days, at \$40 per month.....	32.08
1 preparator, 8 days, at \$3.20 per diem.....	25.60
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	157.68

Buildings and labor:

1 watchman, 1 month 15 days, at \$50 per month.....	74.19
1 skilled laborer, 2 months, at \$45.....	90.00
1 laborer, 13 days, at \$1.50 per diem.....	19.50
1 laborer, 21 days, at \$1.50 per diem.....	31.50
1 laborer, 6 days, at \$1.50 per diem.....	9.00
1 laborer, 5 days, at \$1.50 per diem.....	7.50
1 laborer, 25 days, at \$1.50 per diem.....	37.50
1 laborer, 10 days, at \$1 per diem.....	10.00
1 cleaner, 33 days, at \$1 per diem.....	38.00
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	317.19

1,157.78

Special or contract work..... 1,363.68

SUMMARY.

Salaries, preservation of collections:

Direction.....	\$3,999.96
Scientific staff.....	31,470.25
Clerical staff.....	34,836.83
Preparators.....	14,564.73
Buildings and labor.....	30,985.76
Temporary help.....	1,157.78
Special or contract work.....	1,363.68
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Total salaries or compensation..... 118,378.99

Miscellaneous:

Supplies.....	4,952.67
Stationery.....	2,307.60
Specimens.....	5,141.48
Books and periodicals.....	1,307.61
Travel.....	1,646.42
Freight and cartage.....	2,416.92
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Total..... 17,772.70

Total expenditure to June 30, 1890, preservation of collections.... 136,151.69

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

Balance July 1, 1890.....	\$3,848.31
Disallowance on a bill for traveling expenses .....	.45
Balance July 1, 1890, to meet outstanding liabilities	3,848.76

Expenditures from July 1 to November 30, 1890.

Salaries.....	\$1,520.88
Supplies.....	303.83
Stationery.....	75.79
Specimens.....	1,132.50
Books, etc.....	186.81
Travel.....	149.40
Freight and cartage.....	122.07
Total expenditure to November 30, 1890.....	3,491.28

Balance December 1, 1890 (to meet outstanding liabilities)	357.48
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Detailed list of vouchers for expenditures for preservation of collections, 1889-'90.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	W. B. Smith, specimens	\$50.00	50	George Maier, services	\$2.50
2	J. J. Desmond, travel.....	1.20	51	H. Eastman, books.....	4.50
3	Isaac Lyles, travel.....	2.15	52	Paul Hiser, jr. & Bro., supplies..	15.00
4	G. C. McLain, travel.....	3.25	53	S. R. Koehler, services.....	100.00
5	Joseph Mace, cartage.....	75.00	54	W. G. Stimpson, services.....	44.35
6	G. B. Goode, services.....	333.33	55	H. W. Spofford, services.....	52.42
7	H. de Morgan, specimens.....	60.00	56	M. D. Anderson, services.....	12.00
8	W. S. Yeates, specimens.....	5.00	57	L. M. Cornwall, supplies.....	65.47
9	Pay roll for July services.....	8,935.09	58	L. Schmid & Sons, specimens.....	30.50
10	C. L. Condit, books.....	10.00	59	Cornwall & Cronk, services.....	50.00
11	C. P. Kenyon, services.....	50.00	60	S. Raymond Roberts, books.....	10.00
12	H. N. Spottswood, services.....	14.29	61	George Ryncal, jr., supplies.....	21.62
13	John Durand, services.....	100.00	62	C. K. Worthen, specimens.....	40.00
14	S. R. Koehler, services.....	100.00	63	Fritz Tegener, specimens.....	5.00
15	W. S. Yeates, travel.....	48.40	64	India Alkali Works, supplies.....	7.48
16	L. M. Cornwall, supplies.....	54.62	65	George W. Knox, freight.....	37.30
17	F. H. Peck, services.....	24.19	66	W. F. Lutz, services.....	5.25
18	A. E. Foote, books.....	3.25	67	Great Falls Ice Co., supplies.....	53.98
19	D. S. Hayden, books.....	3.50	68	E. Morrison, stationery.....	35.90
20	F. C. Brown, services.....	60.00	69	G. B. Goode, travel.....	2.55
21	Isaiah Greeger, services.....	44.00	70	L. Schmid & Sons, supplies.....	13.36
22	M. E. Mann, books.....	6.00	71	Tschiffeley & Evans.....	22.05
23	L. Amateis, specimens.....	14.70	72	Electric Laundry, services.....	7.91
24	Great Falls Ice Company, supplies.....	56.08	73	A. Stafford, stationery.....	11.05
25	Fenton & Co., services.....	8.00	74	Leggat Bros., books.....	37.98
26	A. E. Cooke, supplies.....	21.00	75	Leggat Bros., specimens.....	8.54
27	George Maier, services.....	2.00	76	John Akhurst, supplies.....	6.25
28	Tschiffeley & Evans, supplies.....	6.00	77	Carter, Macy & Co., freight.....	4.87
29	Calvin Tomkins, supplies.....	3.75	78	G. W. Knox.....	15.97
30	L. Schmid & Sons, supplies.....	12.06	79	A. L. Shipman's Sons, stationery.....	4.80
31	W. F. Murphys' Sons, stationery.....	28.00	80	Demuth Bros., supplies.....	12.88
32	Arthur Stafford, stationery.....	10.85	81	J. A. Ross & Co., supplies.....	3.60
33	Leggat Brothers, books.....	21.70	82	Foreign Express Company, freight.....	4.00
34	Adams Express Company, freight.....	35.36	83	Scoville & Adams Company, supplies.....	124.62
35	W. F. Hewitt, supplies.....	17.60	84	Adams Express Company, freight.....	24.90
36	H. M. Dexter & Co., services.....	5.77	85	Joseph Mace, cartage.....	75.00
37	E. G. Davis, stationery.....	11.25	86	John Durand, services.....	100.00
38	G. Brown Goode, travel.....	18.46	87	G. B. Goode, services.....	333.33
39	W. E. Safford, specimens.....	100.00	88	Pay roll for September, 1889, services.....	9,016.31
40	H. E. Kalusowski, supplies.....	3.54	89	Cyrus Adler, travel.....	13.50
41	C. J. Maynard & Co., specimens.....	17.12	90	Cyrus Adler, specimens.....	19.80
42	Mutual District Messenger Company, services.....	30	91	S. R. Koehler, services.....	100.00
43	Brodix Publishing Co., books.....	3.00	92	F. H. G. Fry, specimens.....	10.00
44	Q. P. Index, books.....	1.50	93	W. J. Knowlton, specimens.....	5.00
45	Joseph Mace, cartage.....	75.00	94	Pennsylvania R. R. Co., travel.....	10.00
46	John Durand, services.....	100.00	95	J. H. Oyster, books.....	2.50
47	G. Brown Goode, services.....	333.33	96	E. W. P. Smith, freight.....	7.00
48	Pay roll for August 1889, services.....	8,094.74	97	L. Amateis, specimens.....	27.60
49	D. M. Ramsdel (United States marshal), specimens.....	746.78	98	L. M. Cornwall, supplies.....	72.19

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

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Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
99	M. J. Gear, services (special).....	\$47.80	171	J. T. Walker's Sons, supplies.....	\$0.75
100	C. W. Richmond, services (special).....	6.00	172	Franklin & Co., supplies.....	4.00
101	F. L. Ward, services (special).....	52.27	173	Lansburgh & Bro., supplies.....	20.38
102	Wyckoff, Seamans & Benedict, stationery.....	268.75	174	W. F. Hillebrand, specimens.....	40.60
103	W. Bartholomae, supplies.....	8.15	175	Mutual District Messenger Co., services (special).....	9.60
104	W. H. Lowdermilk & Co., books.....	9.84	176	Tschiffely & Evans, supplies.....	16.34
105	Easton & Rupp, stationery.....	63.39	177	M. G. Copeland & Co., supplies.....	24.00
106	W. R. Blackford, services.....	34.50	178	Seaton Perry, supplies.....	7.50
107	Electric Steam Laundry, services (special).....	7.25	179	Wm. Miller, specimens.....	1.25
108	S. F. Ware, supplies.....	34.00	180	Great Falls Ice Co., supplies.....	44.62
109	Z. D. Gilman, supplies.....	79.63	181	E. W. Ellsworth, supplies.....	9.10
110	Fannie At Lee, services.....	10.67	182	J. W. Queen & Co., supplies.....	64.63
111	Otis T. Mason, travel.....	477.74	183	John Akhurst, supplies.....	6.25
112	C. C. Carroll, supplies.....	86.40	184	L. Stejnegger, travel.....	87.71
113	Geo. Maier, services (special).....	1.50	185	G. P. Merrill, travel.....	275.07
114	Oelrichs & Co., freight.....	1.04	186	S. F. Denton, services (special).....	103.00
115	Samuel Lewis, supplies.....	7.50	187	F. A. Schmidt, supplies.....	10.60
116	Westermann & Co., specimens.....	6.40	188	J. L. Barbour & Son, supplies.....	13.94
117	Dennison Manufacturing Co., stationery.....	69.86	189	L. Tracy, services.....	6.00
118	Woodward & Lothrop, supplies, 50 cents; stationery, \$32.60.....	33.10	190	S. R. Koehler, specimens.....	1.65
119	E. Morrison, stationery.....	121.59	191	M. Joyce, services (special).....	1.70
120	Great Falls Ice Company, supplies.....	44.10	192	E. Morrison, stationery.....	80.85
121	United States Express Company, freight.....	32.86	193	E. T. Cresson, books, etc.....	3.75
122	do.....	7.45	194	G. Rynear, jr., supplies.....	23.82
123	L. Stejnegger, travel.....	71.25	195	G. H. Hedley, supplies.....	18.10
124	J. C. Parker, stationery.....	43.12	196	Jos. Mace, cartage.....	75.00
125	H. M. Smith, freight.....	1.00	197	John Durand, services.....	100.00
126	M. A. Tappan, supplies.....	239.43	198	S. R. Koehler, services.....	100.00
127	A. H. Clark, services.....	53.23	199	G. Brown Goode, services.....	333.33
128	Joseph Mace, cartage.....	75.00	200	Pay-roll for November, 1889, services.....	9,164.64
129	John Durand, services.....	100.00	201	E. G. Wheeler, supplies.....	4.50
130	G. B. Goode, services.....	333.33	202	A. E. Colburn, services.....	10.00
131	S. R. Koehler, services.....	100.00	203	George H. Hedley, travel.....	61.43
132	Pay roll for October, services.....	9,022.43	204	H. Romeyn, specimens.....	10.00
133	C. L. Condit, books.....	12.82	205	H. H. Olcott, services.....	22.58
134	O. C. Poling, specimens.....	8.50	206	Columbia Phonograph Company, supplies.....	2.50
135	Sue Logan, services.....	8.17	207	Z. D. Gilman, supplies.....	25.49
136	do.....	25.97	208	W. Bartholomae, supplies.....	6.00
137	G. H. Bagedale, specimens.....	3.00	209	United States Express Company, freight.....	8.15
138	Paul Klincksieck, books.....	4.05	210	Adams Express Company, freight.....	33.35
139	J. W. Hendley, services.....	28.00	211	W. S. Thompson, supplies.....	17.55
140	L. M. Cornwall, supplies.....	69.34	212	W. P. Sutton, specimens.....	124.00
141	Peter Dunne, books.....	4.00	213	James B. Lambie, supplies.....	1.00
142	H. Strasburger, supplies.....	7.00	214	W. H. Lowdermilk & Co., books.....	2.25
143	McQueen & Wallace, stationery.....	7.25	215	M. W. Beveridge, supplies.....	31.57
144	T. Jenkins, services, special.....	1.00	216	B. Westermann & Co., books.....	2.67
145	W. Ballantyne & Son, stationery.....	317.51	217	C. H. Roberts, books.....	1.50
146	S. Raymond Roberts, books.....	10.00	218	H. Lindenmeyer, supplies.....	75.14
147	P. Mann, supplies.....	6.68	219	G. W. Knox, freight.....	51.85
148	Adams Express Company, freight.....	12.75	220	L. Stejnegger, travel.....	69.36
149	G. F. Wassmann, supplies.....	25.00	221	W. H. A. Abbott, freight.....	5.50
150	L. Amateis, specimens.....	21.00	222	Robert Boyd, supplies.....	4.77
151	H. Romeike, books.....	10.50	223	L. M. Cornwall, supplies.....	51.52
152	H. Wunderlich & Co., specimens.....	18.00	224	Cecil Clay, travel.....	30.27
153	Louis Dejonge & Co., specimens.....	3.00	225	L. Tracy, services.....	7.50
154	Codman & Shurtleff, supplies.....	8.00	226	Demuth Bros., supplies.....	5.28
155	F. Koppell & Co., specimens.....	7.05	227	M. A. Tappan, supplies.....	1.40
156	G. W. Knox, freight.....	17.79	228	Wyckoff, Seamans & Benedict, stationery.....	86.25
157	D. Appleton & Co., books.....	1.43	229	J. D. Smith, specimens.....	26.75
158	Isaiah Gregor, service.....	56.00	230	George Watts, supplies.....	1.42
159	United States Express Co., freight.....	23.60	231	Great Falls Ice Company, supplies.....	39.37
160	H. Bumgarten, stationery.....	7.60	232	Rapid Transit Messenger Company, services (special).....	.50
161	M. Lindsay, supplies.....	14.43	233	May Cornell, services.....	24.52
162	Springman & Bro., freight.....	4.00	234	Henry Romeike, books.....	7.90
163	C. K. Worthen, specimens.....	7.50	235	Eimer and Amend, supplies.....	35.01
164	W. Wesley & Son, books, etc.....	164.79	236	Brentano's, books 10 cents, stationery \$3.50.....	3.60
165	E. Rey, specimens.....	43.18	237	V. H. Brown & Co., freight.....	39.75
166	H. H. Hempler, supplies.....	19.25	238	J. H. Mills & Co., supplies.....	2.50
167	Columbia Phonograph Co., services (special).....	36.21	239	Mutual District Messenger Company (special).....	10.05
168	Wm. Wagner, supplies.....	11.35	240	Woodward & Lothrop, supplies.....	2.00
169	Robert Boyd, supplies.....	5.37	241	Edw. Hurlburt, specimens.....	60.00
170	W. B. Williams, supplies.....	4.00	242	N. V. Randolph & Co., supplies.....	205.75

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
243	G. L. English & Co., specimens	\$43.00	321	Pay-roll for January, 1890, services	\$9,564.35
244	J. C. Strong, specimens	10.00	322	Great Falls Ice Co, supplies	32.90
245	M. C. Toms, specimens	12.50	323	S. R. Koehler, services	100.00
246	L. H. Schneiders' Sons, supplies	13.02	324	Edw. L. Wilson, books	4.75
247	Joseph Palmer, supplies	.90	325	India Alkai Works, supplies	8.84
248	George S. Donn, supplies	3.50	326	Eastman Dry-plate and Film Co., supplies	41.40
249	John Durand, services	100.00	327	Munn & Co., books	3.50
250	G. Brown Goode, services	333.33	328	Chas. Morris, services (special)	4.00
251	Joseph Mace, cartage	75.00	329	R. B. McLaughlin, specimens	6.00
252	Pay roll for December services	9,327.35	330	B. F. Guy & Co., supplies	2.99
253	M. Joyce, services (special)	2.00	331	M. Joyce, services (special)	2.50
254	Carrie Cornell, services	10.16	332	E. H. Hawley, travel	23.30
255	S. R. Koehler, services	100.00	333	F. A. Lucas, travel	16.00
256	J. W. Hendley, services	12.00	334	L. Tracy, services	9.00
257	C. Becker, supplies	13.90	335	Columbia Phonograph Co., services (special)	56.43
258	F. T. May & Co., supplies	4.94	336	F. R. Scolliek, services	11.43
259	George Maier, services (special)	57.05	337	C. C. Carroll, supplies	90.40
260	W. Ballantyne & Son, stationery	6.67	338	Lansburgh & Bro., supplies	31.55
261	C. H. Pleasants, supplies	60.92	339	S. F. Ware, supplies	9.20
262	George Rynael, jr., supplies	14.37	340	L. H. Schneider's Son, supplies	14.07
263	William H. Butler, supplies	2.70	341	United States Express Company, freight	26.70
264	L. M. Cornwall, supplies	44.59	342	Geo. Maier, services (special)	25.75
265	F. Miller, supplies	.64	343	Wm. F. Lutz, stationery	1.50
266	E. J. Pullman, supplies	103.92	344	John C. Parker, stationery	5.50
267	C. H. Townsend, specimens	15.80	345	Turner Jenkins, services (special)	1.25
268	N. R. Wood, specimens	2.50	346	G. W. Knox, freight	137.31
269	K. W. Hiersemann, books	53.08	347	T. H. Bean, specimens	1.50
270	Edw. Gerrard, specimens	9.80	348	Chas. B. Hudson, specimens	35.00
271	William Wesley & Son, books	142.75	349	Geo. Shindhelm, specimens	10.00
272	Church & Stephenson, supplies	7.00	350	J. L. Barbour & Son, supplies	299.90
273	L. Schmid & Sons, supplies	18.81	351	Judd & Detweiler, stationery	10.00
274	C. L. Condit, books	10.00	352	Geo. Rynael, jr., supplies	11.55
275	A. L. Shipman's Son, stationery	15.90	353	J. G. & J. M. Waters, supplies	5.00
276	Legat Bros., books	46.88	354	William H. Butler, supplies	1.20
277	J. P. Monroe, specimens	5.00	355	Z. D. Gilman, supplies	14.50
278	Henry Farrer, specimens	50.00	356	Adams Express Company, freight	40.20
279	J. B. Lord, supplies	4.00	357	M. F. Talty, supplies	37.50
280	Stephenson's Express, freight	1.82	358	M. Lindsay, supplies	13.23
281	Joseph Mace, freight	3.00	359	E. H. Hawley, supplies	1.50
282	Thomas Wilson, specimens	5.00	360	E. J. Lewis, supplies	2.00
283	Chas. T. Simpson, services	46.45	361	Great Falls Ice Company, supplies	33.07
284	L. Amateis, specimens	12.80	362	S. P. Langley, specimens	3.86
285	Theo. A. Mills, specimens	125.00	363	S. Adams, services	25.00
286	Mutual District Messenger Company, services (special)	3.75	364	F. W. Christern, books	1.35
287	L. Schmid & Sons, books	7.00	365	Gloucester Net and Twine Company	15.30
288	J. W. Collins, travel	46.43	366	Scoville & Adams Company, supplies	11.20
289	Jno. B. Smith, services	125.81	367	N. D. C. Hodges, books	1.75
290	Robert Boyd, supplies	1.00	368	F. H. McAllister, supplies	3.38
291	W. A. Boyd, books	25.00	369	Susfeld, Lorsch & Co., supplies	12.25
292	Franklin & Co., supplies	9.50	370	Burr Index Company, stationery	11.00
293	H. W. Henshaw, books	3.00	371	C. F. Adams, specimens	450.00
294	H. Haas, specimens	2.00	372	H. H. & C. S. Brimley, specimens	1.05
295	L. Amateis, specimens	12.80	373	Carl Schoenhof, specimens	1.50
296	Ch. Fisher, supplies	8.05	374	S. R. Koehler, supplies	.60
297	G. Brown Goode, services	333.33	375	Easton & Rupp, stationery, \$13.25, supplies, \$19	32.35
298	John Durand, services	100.00	376	J. V. Wright, jr., services	27.32
299	Wash. Nailor, services (special)	10.00	377	L. M. Cornwall, supplies	46.50
300	Z. D. Gilman, supplies	17.77	378	W. D. Denton, specimens	68.40
301	The Foreign Express Co., freight	5.50	379	Frank Burns, specimens	2.70
302	H. Reid, specimens	4.00	380	J. L. Barbour & Son, supplies	27.81
303	New York Engraving and Printing Company, services (special)	8.55	381	F. P. May & Co., supplies	11.20
304	Roger Cunningham, specimens	25.00	382	A. Boucard, specimens	123.03
305	Jas. W. Queen & Co., services special	.80	383	Paul Klincksieck, books	23.25
306	R. B. Trouslot & Co., books	.25	384	John Durand, freight	4.53
307	J. G. and J. M. Waters, supplies	9.50	385	T. A. Mills, specimens	30.00
308	F. W. Devoe & Co., stationery	10.80	386	Western Union Telegraph Company, services (special)	37.84
309	C. H. Pleasants, supplies	19.92	387	C. Pelletier, supplies	70.60
310	Arthur Stafford, stationery	11.65	388	J. W. Queen & Co., services, special, 60 cents; supplies, \$5.46	6.06
311	Garden & Forest Publishing Company (Limited,) books	2.00	389	W. S. Thomas, specimens	12.50
312	S. P. Langley, specimens	26.06	390	G. L. English & Co., specimens	32.20
313	B. Westermann & Co., books	.66	391	L. S. Foster, books	6.00
314	J. J. Sellner, specimens	5.59	392	Legat Bros., books	28.71
315	Jos. Palmer, supplies	1.00	393	D. T. Loring, specimens	7.00
316	H. M. Smith, specimens	.75			
317	R. Ridgway, specimens	3.00			
318	Joseph Mace, services	75.00			
319	E. W. Ashford, services	48.39			
320	W. H. Claggett, supplies	10.00			

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

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Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
394	John Durand, services.....	\$100.00	466	S. R. Koehler, services.....	\$100.00
395	G. Brown Goode, services.....	333.33	467	Jos. Mace, services.....	75.00
396	J. V. Wright, jr., services.....	14.46	468	Pay roll for March, 1890, services.....	9,243.07
397	Jos. Mace, services.....	75.00	469	Strophellon Express Company, freight.....	2.55
398	Pay roll for February, 1890, service.....	9,548.95	470	J. Crawford, specimens.....	15.00
399	Eimer & Amend, supplies.....	58.24	471	F. von Iterson, services (special).....	95.00
400	Thomas Dowling, specimens.....	157.85	472	David Howard, services (special).....	2.00
401	S. Adams, services.....	25.00	473	Lorraine Tracy, services.....	7.50
402	Fuchs & Lang, specimens.....	251.70	474	S. Adams, services.....	12.90
403	F. von Iterson, services (special).....	25.00	475	Ross Smith Eigenmann, specimens.....	36.50
404	S. R. Koehler, services.....	100.00	476	E. Morrison, stationery.....	14.25
405	Wyckoff, Seamans & Benedict, stationery.....	369.20	477	W. H. Lowdermilk & Co., books.....	.75
406	F. S. Webster, services (special).....	240.00	478	W. Ballantyne & Son, stationery, Alaska Commercial Company, freight.....	69.50
407	H. W. Spofford, services.....	28.23	479	T. A. Mills, specimens.....	2.75
408	Mrs. A. C. Jackson, specimens.....	50.00	480	Woodward & Lothrop, supplies.....	125.00
409	United States Express Company, freight.....	46.05	481	Woodward & Lothrop, supplies.....	18.53
410	F. A. Schmidt, supplies.....	4.87	482	Geo. Palmer, supplies.....	2.00
411	L. Schmidt & Sons, supplies.....	33.95	483	Geo. F. Redman, services.....	19.50
412	J. S. Topham, supplies.....	8.00	484	L. M. Cornwall, supplies.....	41.92
413	E. Morrison, stationery.....	213.58	485	C. C. Carroll, supplies.....	28.80
414	C. C. Carroll, supplies.....	31.20	486	Henry Romeyn, specimens.....	18.00
415	L. Moxley, supplies.....	12.50	487	Great Falls Ice Company, supplies.....	32.02
416	J. J. Gould, supplies.....	2.00	488	F. von Iterson, services (special).....	30.00
417	E. R. Gurley, services.....	17.74	489	R. Ridgway, specimen.....	1.75
418	Kelix Flugel, books, etc.....	1.49	490	Columbia Phonograph Company, services (special).....	60.00
419	C. F. Adams, specimens.....	480.00	491	C. C. Punsell, books.....	6.52
420	Columbia Phonograph Company, supplies.....	25.00	492	J. Frank Eline, supplies.....	6.87
421	India Alkali Works, supplies.....	19.89	493	H. Friedenwald, specimens.....	60.00
422	W. B. Merrimon, services.....	20.65	494	J. H. Mills & Co., supplies.....	9.84
423	F. A. Brockhaus, books, etc.....	22.01	495	C. L. Condit, books.....	8.50
424	do.....	220.91	496	M. Wolfe, specimens.....	10.00
425	N. R. Wood, travel.....	21.15	497	United States Express Company, freight.....	27.35
426	L. M. Cornwall, supplies.....	41.70	498	Robt. Boyd, supplies.....	1.00
427	Lorraine Tracy, services.....	3.00	499	Wm. Wesley & Son, books.....	56.54
428	G. W. Knox, freight.....	60.39	500	Columbia Phonograph Company, supplies.....	6.00
429	Great Falls Ice Co., supplies.....	29.57	501	Adams Express Company, freight.....	48.70
430	A. H. Baldwin, services (special).....	12.50	502	L. Schmidt & Sons, supplies.....	9.33
431	United States Express Company, freight.....	35.55	503	Smith & Wardwell, supplies.....	3.21
432	C. C. Carroll, supplies.....	26.40	504	Geo. Ryeval, jr., supplies.....	16.81
433	J. L. Barbour & Son, supplies.....	280.87	505	G. W. Knox, freight.....	45.97
434	Wm. Ballantyne & Son, stationery.....	41.84	506	R. Friedlander & Son, books.....	1.10
435	L. Schmidt & Sons, supplies.....	8.51	507	W. Wesley & Son, books.....	147.79
436	Z. D. Gilman.....	16.70	508	Ginn & Co., books.....	5.00
437	W. E. & E. D. Lookwood, stationery.....	50.00	509	John Durand, services.....	100.00
438	R. O'Neil, services (special).....	4.00	510	G. B. Goode, services.....	333.33
439	J. B. Baumgarten & Son, stationery.....	5.00	511	S. R. Koehler, services.....	100.00
440	L. H. Schneider's Son, supplies.....	4.00	512	S. R. Koehler, specimens.....	1.00
441	Chas. H. Pleasants, supplies.....	22.56	513	Paul Klincksieck, books.....	2.08
442	Dennison Manufacturing Company, supplies.....	74.02	514	S. Adams, services.....	25.00
443	C. Pelletier, supplies.....	45.00	515	Joseph Mace, freight.....	75.00
444	G. W. Knox, freight.....	39.58	516	Pay roll for April, 1890, services.....	8,954.47
445	Columbia Phonograph Company, supplies.....	5.00	517	Pennsylvania R. R. Co., services (special), \$5.10; supplies, \$8.55; freight, \$1.50.....	15.15
446	J. H. Mills & Co., services (special).....	15.75	518	F. von Dachenhanson, services, (special).....	40.00
447	Henry A. Ward, specimens.....	41.15	519	Great Falls Ice Company, supplies.....	36.22
448	M. J. Prandi, supplies.....	15.00	520	E. F. Brinton, specimens.....	15.00
449	H. Baumgarten, stationery.....	11.75	521	E. Leroux, books.....	24.55
450	Southwick & Jencks, specimens.....	3.00	522	Mutual District Messenger Company, services (special).....	.95
451	Isiah Gregor, specimens.....	17.35	523	L. Tracy, services.....	4.50
452	L. Moeller, services (special).....	4.00	524	C. F. Trill, services.....	30.00
453	Adams Express Company, freight.....	40.20	525	M. Joyce, services (special).....	2.00
454	do.....	47.77	526	H. Baumgarten, stationery.....	5.00
455	Mutual District Messenger Company, services (special).....	5.95	527	F. A. Schneider, supplies.....	15.00
456	J. A. Singley, specimens.....	10.09	528	G. Ryeval, jr., supplies.....	2.00
457	J. C. McConnell, specimens.....	112.50	529	E. J. Pullman, supplies.....	46.53
458	Henry Romeik, books, etc.....	7.25	530	W. F. Lutz, stationery.....	.50
459	W. S. Yeates, specimens.....	2.85	531	L. M. Cornwall, supplies.....	45.63
460	G. Brown Goode, services.....	333.33	532	E. J. Becker, services.....	33.87
461	John Durand, services.....	100.00	533	Easton & Rupp, stationery, 50 cents; supplies, \$9.50.....	10.00
462	N. H. Perry, specimens.....	125.15	534	M. Joyce services (special).....	2.00
463	F. Gardner, specimens.....	20.50	535	S. F. Ware, supplies.....	.72
464	Jas. Rodman, specimens.....	8.00	536	C. C. Carroll, supplies.....	24.00
465	Bangs & Co., specimens.....	96.02	537	Z. D. Gilman, supplies.....	14.20

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
538	Scoville & Adams Company, supplies	\$32.43	616	Chas. Fischer, supplies	\$3.00
539	M. W. Beveridge, supplies	16.10	617	J. F. Eline, supplies	4.08
540	W. Engelmann, books	33.18	618	J. H. Mills & Co., services (special)	3.00
541	E. Deyrolle, specimens	169.34	619	L. H. Jammes, specimens	105.00
542	Barber & Ross, supplies	.75	620	Pay roll for June 1890, services	8,734.39
543	R. O'Neil, services (special)	4.00	621	Atchison, Topeka and Santa Fé R. R., travel	8.80
544	Lansburgh & Bro., supplies	4.81	622	Atlantic and Pacific R. R., travel	5.05
545	W. H. Dougal, specimens	10.75	623	Texas and Pacific R. R., travel	72.84
546	S. Ruppert, supplies	8.96	624	New Mexico and Arizona, R. R., travel	16.60
547	J. L. Barbour & Son, supplies	53.35	625	Mariopa and Phoenix R. R., travel	3.00
548	do	172.18	626	Pennsylvania R. R., travel	41.00
549	J. F. Eline, supplies	16.75	627	New York Central and Hudson R. R., travel	45.62
550	L. Schmid & Sons, supplies	10.85	628	Baltimore and Ohio R. R., travel	76.30
551	C. H. Pleasants, supplies	57.22	629	Ambrose Fitzgerald, freight	13.22
552	H. Romeike, books	6.50	630	Prescott and Arizona Central R. R., travel	7.40
553	Wyckoff, Seamans & Benedict, stationery	25.20	631	Northern Pacific R. R., freight	63.43
554	A. L. Shipman's Sons, stationery	2.70	632	Union Pacific R. R., freight	17.83
555	J. Lansburgh, supplies	4.00	633	Baltimore and Ohio R. R., freight	128.08
556	Woodward & Lothrop, supplies	15.75	634	Southern Pacific R. R., freight	16.60
557	A. Nattans, supplies	.60	635	J. W. Hendley, specimens	42.20
558	F. A. Schmidt, stationery, \$9.83; supplies, \$1.64	11.47	636	L. Tracy	12.00
559	Columbia Railway Company, supplies	10.50	637	Mrs. Louis B. Bollman, specimens	100.00
560	Jos. Mace, services	75.00	638	J. F. Menge, specimens	6.00
561	S. Raymond Roberts, books	10.00	639	Cassino Art Co., books, etc.	6.21
562	W. Ballantyne & Son, stationery	13.16	640	C. H. Onrand, services (special)	15.00
563	E. Morrison, stationery	102.66	641	S. R. Koehler, services	100.00
564	G. B. Goode, services	333.33	642	F. von Iterson, services (special)	305.00
565	John Durand, services	100.00	643	J. L. Barbour & Son, supplies	62.60
566	Pay roll for May, 1890, services	8,691.21	644	Leggat Bros., books, etc.	4.90
567	F. von Iterson, services (special)	150.00	645	E. Morrison, stationery	27.90
568	R. C. Joynes, specimens	6.50	646	C. H. Pleasants, supplies	34.13
569	S. Adams, services	25.00	647	Robert Boyd, supplies	1.00
570	S. R. Koehler, services	100.00	648	Lindsay & Early, freight	4.00
571	Ginn & Co., books, etc.	9.00	649	J. H. Hickcox, books, etc.	5.00
572	Mutual District Messenger Company, services (special)	4.80	650	H. C. Bolton, specimens	5.40
573	Adams Express Company, freight	31.80	651	Mary J. Geare, services (special)	65.00
574	United States Express, freight	82.65	652	W. Nailor, services (special)	16.50
575	G. W. Knox, freight	51.92	653	Columbia Phonograph Co., services (special)	60.00
576	L. Tracy, services	6.00	654	H. Baumgarten, stationery	30.25
577	J. J. Gould, supplies	.60	655	A. T. Wayne, specimens	10.50
578	A. H. Brown, services	230.00	656	Z. D. Gilman, supplies	13.80
579	J. Baumgarten & Son, stationery	3.50	657	G. Ryeal, jr., supplies	9.27
580	E. J. Lewis, supplies	1.00	658	Great Falls Ice Co., supplies	44.94
581	Stephenson's Express, freight	.95	659	E. J. Pullman, supplies	8.85
582	do	24.02	660	Wm. Ballantyne & Son, stationery	3.94
583	H. Baumgarten, stationery	3.75	661	Photo. Eng. Co., stationery	.50
584	M. A. Tappan, supplies	36.85	662	M. L. Linell, specimens	200.00
585	F. Keppel & Co., specimens	15.00	663	A. H. Baldwin, services (special)	80.00
586	H. Wunderlich & Co., specimens	9.00	664	Easton & Rupp, supplies	9.50
587	Blake & Co., supplies	10.00	665	E. Morrison, stationery	2.90
588	G. W. Knox, freight	37.41	666	Lansburgh & Bro., supplies	7.38
589	M. B. Mann, books, etc.	6.00	667	H. Shugio (First Jap Trading Co.), specimens	333.35
590	A. L. Shipman's Sons	2.70	668	W. D. Clark & Co., supplies	.67
591	Church & Stephenson, supplies	14.50	669	Jos. Palmer, supplies	1.80
592	Scheller & Stevens, supplies	2.40	670	Wyckoff, Seamans & Benedict stationery	5.50
593	G. Brown Goode, travel	40.59	671	M. W. Beveridge, supplies	4.47
594	S. Raymond Roberts, books	10.00	672	F. Miller, supplies	.45
595	Chas. L. Condit, books	10.00	673	Mutual District Messenger Co., services (special)	9.60
596	Adams Express Co., freight	17.42	674	Library bureau, books	5.00
597	United States Express Co., freight	25.40	675	Adams Express Co., freight	30.90
598	Newman & Son, services (special)	13.75	676	T. H. McAllister, supplies	31.50
599	Evening Star, supplies	3.50	677	J. W. Boteler & Son, supplies	1.50
600	J. L. Ridgway, specimens	150.00	678	Church & Stephenson, supplies	2.00
601	G. B. Grinnell, specimens	75.00	679	G. W. Knox, freight	46.23
602	Great Falls Ice Co.	36.49	680	Mutual District Messenger Co., services (special)	19.95
603	Alice M. Clark, services, special	60.60	681	United States Express Co., freight	2.00
604	W. Wesley, books	2.00	682	Julius Pohlman, specimens	150.00
605	do	16.88	683	Henry Romeike, books, etc.	3.90
606	J. C. McConnell, specimens	87.00	684	Edw. Lovatt, specimens	25.25
607	Alaska Commercial Co., supplies	80.41	685	W. Wesley & Son, books, etc.	12.25
608	Edw. Hurlbut, specimens	75.00	686	Henry Frowde, books, etc.	9.00
609	A. H. Brown, services	115.00	687	Washington Post Co., supplies	9.50
610	Columbia Railway Co., supplies	10.50	688	H. Harkness, specimens	.65
611	S. Adams, services	25.00			
612	G. Brown Goode, services	333.33			
613	John Durand, services	100.00			
614	Jos. Mace, freight	75.00			
615	Wm. Ballantyne & Son, stationery	6.57			

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
689	J. W. Hendley, services	\$4. 00	705	Southern Pacific, freight	\$12. 65
690	C. H. Ourand, services (special) ..	8. 08	706	Southern Pacific, travel	17. 35
691	George Maier, services (special) ..	7. 80	707	Sioux City and Pacific R. R. travel,	1. 27
692	C. C. Pursell, books, etc.	6. 49	708	Fremont, Elkhorn and Missouri	
693	A. L. Shipman's Sons, stationery ..	4. 80		Valley R. R., travel	17. 03
694	J. W. Queen & Co., supplies	14. 00	709	Baltimore and Ohio R. R., travel ..	25. 00
695	C. K. Worthen, specimens	46. 25	710	Union Pacific R. R., travel	40. 00
696	W. Wesley & Son, books, etc.	31. 16	711	do	8. 87
697	W. Wesley & Son, books, etc.,		712	do	5. 72
	\$14. 58; specimens, \$7. 90	22. 48	713	F. A. Brockhaus, books, etc.	82. 07
698	L. A. Huffman, services (special)		714	Robt. MacFarlane, freight	2. 75
	\$10; freight, \$3. 05	13. 05	715	Wm. Palmer, travel	40. 25
699	W. H. Brown, March services	200. 00	716	Geo. S. Chase, specimens	58. 00
700	W. H. Brown, April services	200. 00	717	Woodward & Lothrop, supplies ..	. 15
701	W. H. Brown, May services	200. 00	718	Keen & Hargety, freight, \$1.51;	
702	W. H. Brown, June services	200. 00		services, \$7.95	9. 46
703	Chicago, Baltimore and Ohio R. R.,		719	W. Englemann, books	6. 25
	freight	4. 39	720	E. Deyrolle, supplies	16. 32
704	Chicago and Northwestern R. R.,		721	J. L. Ridgway, specimens	147. 00
	travel	8. 50			

FURNITURE AND FIXTURES.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for cases, furniture, fixtures, and appliances required for the exhibition and safe-keeping of the collections of the National Museum, including salaries or compensation of all necessary employes." (Sundry civil act, March 2, 1889. Public 154, p. 16.)..... \$30,000.00

Expenditures from July 1, 1889, to June 30, 1890.

Salaries or compensation:

1 engineer of property, 12 months, at \$150		\$1,800. 00
1 clerk, 12 months, at \$75	\$900. 00	
1 clerk, 3 months, at \$50	150. 00	
1 copyist, 12 months, at \$55	660. 00	
		1,710. 00
1 carpenter, foreman, 12 months, at \$91	1,092. 00	
1 cabinetmaker, 313 days, at \$3	939. 00	
1 carpenter, 124½ days, at \$3	373. 50	
1 carpenter, 90 days, at \$3	270. 00	
1 carpenter, 286 days, at \$3	858. 00	
1 carpenter, 52 days, at \$3	156. 00	
1 carpenter, 192½ days, at \$3	577. 50	
1 carpenter, 150 days, at \$3	450. 00	
1 carpenter, 311 days, at \$3	933. 00	
1 carpenter, 99½ days, at \$3	298. 50	
1 carpenter, 47 days, at \$3	141. 00	
1 carpenter, 13 days, at \$3	39. 00	
1 carpenter, 37½ days, at \$3	112. 50	
1 carpenter, 3 days, at \$3	9. 00	
		6,249. 00
1 painter, 12 months, at \$65	780. 00	
1 painter, 248 days, at \$2	496. 00	
		1,276. 00
1 skilled laborer, 54 days; at \$1.50; 208 days, at \$1.75	445. 00	
1 skilled laborer, 12 months, at \$50	600. 00	
1 skilled laborer, 6 months, at \$50	300. 00	
1 skilled laborer, 4 months, 30 days, at \$50; 3 days, at \$1.50 ..	251. 39	
1 skilled laborer, 295 days, at \$2	590. 00	
1 skilled laborer, 309 days, at \$2	618. 00	
1 skilled laborer, 104 days, at \$2	208. 00	
1 skilled laborer, 10 months, at \$45	450. 00	
		3,462. 39

Expenditures from July 1, 1889, to June 30, 1890—Continued.

Salaries or compensation—Continued.

1 laborer, 8 months, at \$45; 6 days, at \$1.50.....	\$369.00
1 laborer, 1 month, 8 days, at \$40.....	50.32
1 laborer, 3 months, at \$40; 1 day, at \$1.50.....	121.50
1 laborer, 230 days, at \$1.50.....	345.00
1 laborer, 6 months, at \$40; 2 days, at \$1.50.....	243.00
1 laborer, 1 month, at \$40.....	40.00
1 laborer, 3 months, at \$40.....	120.00
1 laborer, 1 month, at \$30.....	30.00
1 cleaner, 3 months, at \$30.....	90.00
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	\$1,408.82

Contract, repairing elevator.....	20.00
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	15,906.21

Total expenditures for salaries or compensation.....	15,926.21
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Materials, etc.:

Exhibition cases.....	\$4,366.77
Designs and drawings for cases.....	57.00
Drawers, trays, boxes.....	931.48
Frames, stands, miscellaneous woodwork.....	158.84
Glass.....	1,875.38
Hardware and interior fittings for cases.....	1,291.07
Tools.....	107.37
Cloth, cotton, etc.....	85.97
Glass jars, etc.....	395.45
Lumber.....	1,276.88
Paints, oils, brushes.....	681.68
Office furniture.....	605.19
Chairs (for halls).....	51.00
Tin, lead.....	90.98
Brick, plaster.....	98.00
Rubber goods.....	40.87
Iron brackets.....	130.00
Apparatus.....	605.50
Travelling expenses.....	31.95
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	\$12,881.38

Total expenditure, July 1, 1889, to June 30, 1890, furniture and fixtures.....	28,807.59
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Balance July 1, 1890, to meet outstanding liabilities.....	1,192.41
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Expenditures from July 1 to November 30, 1890.

Salaries or compensation.....	\$10.00
Designs and drawings for cases.....	40.75
Frames, stands, etc.....	11.60
Glass.....	105.32
Hardware.....	353.22
Tools.....	4.70
Lumber.....	183.21
Paints, oils, etc.....	43.55
Office furniture.....	63.17
Tin, lead, etc.....	12.50
Rubber goods.....	19.41
Apparatus, etc.....	339.75
Travelling expenses.....	2.95
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Total expenditure to November 30, 1890.....	\$1,190.13
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Balance December 1, 1890.....	2.28
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Detailed list of vouchers for expenditures for furniture and fixtures, 1889-'90.

No.	Items of expenditure.	Amount.	No.	Item of expenditure.	Amount.
1	Pay roll for July, 1889, salaries...	\$1,652.50	51	Smith & Wardwell, office furniture, hat rack	\$1.18
2	James Hughes, plastering	27.00	52	W. B. Moses & Son, office furniture, desk	35.00
3	Wash B. Williams, chairs for hall	28.00	53	S. G. Flagg & Co., hardware, hinges	25.80
4	H. Hoffa, lathe tools	10.00	54	Thonet Bros., wood work, table legs	47.10
5	Whitall, Tatum & Co., glass jars	10.00	55	Robt. Boyd, tin, copper, etc., \$11.41; hardware, \$54.78; tools 55 cents	66.74
6	F. W. Devoe & Co., paints and oils	76.80	56	Church & Stephenson, lumber	169.18
7	Church & Stephenson, lumber	296.18	57	W. H. Haney, services, carpenter	9.00
8	H. C. Mounie & Son, plastering	20.00	58	W. Bruce Gray, drawings of cases	45.00
9	W. H. Houghton & Co., chairs for halls	23.00	59	Wm. Fischer, hardware, brass standards	18.84
10	Pay roll for August, 1889, salaries	1,787.00	60	Thos. W. Smith, drawers, trays, boxes, pine boxes	140.00
11	F. P. May & Co., hardware, \$36; rubber goods, \$13.23	49.28	61	Woodward & Lothrop, sheeting, felt, velvet	11.90
12	J. E. Watkins, travel	3.15	62	L. H. Schneider's Son, hardware, \$116.73; tools, \$7.50	124.23
13	W. H. Harrover, filter (office furniture)	16.00	63	E. E. Jackson & Co., cases	761.00
14	L. Schmid & Sons, label clasps and bird cages, hardware	41.70	64	Pay roll for December, 1889, services	1,044.50
15	N. V. Randolph & Co., drawers, trays, boxes	152.64	65	W. H. Houghton & Co., table cases	929.50
16	Pennsylvania Railroad Co., travel	6.00	66	Dennison Manufacturing Company, boxes	20.50
17	George Ryneal, jr., paint and glue	34.23	67	C. T. Carter & Co., hardware, 80 cents; lead, etc., 45 cents; nails, solder	1.25 5.70
18	L. H. Schneider's Sons, hardware, \$33.04; tools, \$1.47; rubber goods, \$1.40	35.91	68	C. Becker, putty (paints)	5.70
19	H. C. Mounie & Son, plastering	5.00	69	F. P. May & Co., hardware, \$7; tools, \$3.25	10.25
20	Excelsior Varnish Works, paints and oils, Japan dryer	6.00	70	Chas. H. Pleasants, paints and oil	12.00
21	C. Dorffinger & Sons, glass jars	96.57	71	Geo. Ryneal, jr., glass	25.78
22	Pay roll for September, 1889, salaries	1,703.25	72	Wm. H. Butler, paints, \$123.69; glass, \$4	127.63
23	George W. Dant, bricks, etc., bricking up windows	22.00	73	F. A. Schneider, hardware	18.78
24	Cornwall & Crank, hardware, iron for glass jar	1.25	74	Francis Miller, paints and oil	122.35
25	F. A. Schneider, hardware	24.88	75	J. F. Chesley & Co., hardware	1.30
26	F. P. May & Co., rubber goods, \$8; hardware, \$115.57; tools, \$2.70	126.27	76	L. Schmid & Sons, hardware	9.52
27	Charles Becker, paints, oils, benzine, oil finish, brushes	25.59	77	Holbrook Bros., glass	248.08
28	Wood Bros., drawers, trays, boxes, pine unit drawers	69.00	78	Robt. Boyd, hardware, \$49.88; tin, lead, \$6.35	56.23
29	Wood Bros., case frames, \$182.70; drawers, trays, \$94.40; slide-screen cases and trays	277.10	79	Wm. Fischer, hardware and interior fittings	5.90
30	Wm. Fischer, hardware, book fasteners	34.80	80	Elisha T. Jenks, hardware and interior fittings	38.40
31	Johnston McIntire, case frames, walnut case	16.82	81	Merchant & Co., tin, lead, etc.	14.25
32	Church & Stephenson, lumber	532.33	82	J. Blake Kendall, hardware and interior fittings	.60
33	Pay roll for October, 1889, services	1,691.64	83	W. B. Williams, frames, stands, etc.	2.00
34	Francis Miller, paint, \$57.75; crystal glass, \$32.40	90.15	84	J. & H. Aitcheson, hardware and interior fittings	95.00
35	B. H. Shoemaker, plate and crystal glass	72.00	85	W. B. Moses & Son, office furniture, \$7; cloth, \$19.95	26.95
36	W. H. Houghton & Co., case	662.75	86	Pay roll for January, 1890, services	1,035.00
37	Robert Boyd, tin, zinc, \$13.64; hardware, \$82.11	95.75	87	W. E. Gavit, iron brackets, shelf brackets, and racks	130.00
38	F. W. Devoe & Co., paint	74.40	88	Church & Stephenson, lumber	172.37
39	The E. D. Albro Co., frames, woodwork, lumber	3.80	89	R. Leitch & Sons, hardware	12.79
40	Thos. Somerville & Sons, hardware, chain	1.50	90	L. H. Schneider's Son, hardware, \$62.02; tools, \$15.25	77.27
41	W. B. Moses & Son, office furniture, desk, chair, carpet	183.20	91	Holbrook Bros., glass	185.48
42	Robt. Porter's Sons, hardware, tin backs	5.00	92	B. H. Shoemaker, glass	1,200.34
43	J. Lansburgh, office furniture, chairs	13.68	93	John Schmitt, drawers, trays, boxes	330.00
44	F. A. Schmidt, drawings for cases	12.00	94	Geo. Ryneal, jr., glass, \$15.10; paints, oils, \$22.47	37.57
45	H. O. Towles, office furniture, desk	16.00	95	W. H. Butler, tools, \$9.65; paints, oils, \$3.90	13.55
46	Geo. Ryneal, jr., glue and paint, \$68.99; glass, 60 cents	69.59	96	T. Somerville & Sons, hardware	2.76
47	Belt & Dyer, wood work, turned blocks	11.50	97	Z. D. Gilman, glass	9.00
48	Pay roll for November, 1889, services	1,824.00	98	B. F. Guy & Co., hardware	1.10
49	J. E. Watkins, travel	20.80	99	Francis Miller, glass, \$19; paints, oils, \$32.25	51.25
50	Edw. Burroughs, services, carpenter	9.00	100	Yale & Towne Manufacturing Company, hardware	3.84
			101	J. J. Crook & Co., tin, lead, etc.	17.50
			102	T. H. McAllister, apparatus	30.75
			103	Dennison Manufacturing Company, drawers, trays, boxes	10.00

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
104	F. P. May & Co., tools.....	\$1.65	158	E. J. Pullman, apparatus.....	\$32.50
105	Shepherd & Hurley, services (special).....	20.00	159	F. P. May & Co., hardware, 75 cents; tools, \$5.05.....	6.70
106	A. W. Martin services.....	45.00	160	Eastman Co., apparatus.....	350.00
107	W. H. Haney, services.....	45.00	161	L. H. Schneider's Son, hardware.....	25.23
108	J. W. Queen & Co., apparatus, \$25; jars, vials, \$20.....	45.00	162	Barber & Ross, tools.....	1.42
109	B. H. Shoemaker, glass.....	24.40	163	R. Leitch & Sons, hardware.....	1.65
110	Pay roll for February, services.....	844.00	164	N. V. Randolph & Co., drawers, trays, etc.....	25.56
111	Kendig & Landvoigt, drawers, trays, boxes.....	57.00	165	Truslow & Co., glass jars.....	24.55
112	L. Schmid & Sons, hardware.....	4.00	166	S. G. Flagg & Co., hardware.....	39.45
113	C. Dorflinger & Sons, glass jars, vials, etc.....	81.33	167	Church & Stephenson, lumber.....	106.82
114	T. W. Smith, frames, stands.....	71.50	168	Whitall, Tatum & Co., glass jars.....	138.00
115	Wm. H. Gray, tools.....	2.75	169	Pay roll for May, 1890, services.....	1,195.75
116	A. W. Martin, services.....	3.00	170	F. B. Lloyd, tools.....	1.50
117	W. H. Haney, services.....	3.00	171	Geo. Watts & Son, hardware.....	.30
118	F. A. Schneider, hardware.....	26.45	172	S. G. Flagg & Co., hardware.....	13.25
119	P. Hanson Hiss Manufacturing Company, office furniture, \$322; exchange case frames, \$419.....	741.00	173	J. B. Shannon & Sons, hardware.....	37.80
120	L. H. Schneider's Son, hardware, \$74.23; tools, \$12.83; rubber goods, \$3.75.....	90.81	174	W. B. Moses & Sons, office furniture.....	11.13
121	Chas. H. Pleasants, paints, oils.....	6.00	175	Yale & Towne Manufacturing Co., hardware.....	4.18
122	Wm. Kerr, tools.....	10.00	176	P. Hanson Hiss Manufacturing Co., exhibition case frames.....	1,000.00
123	Jos. Wild & Co., cloth, cotton, etc.....	23.63	177	M. Lindsay, rubber goods.....	3.94
124	N. V. Randolph & Co., drawers, trays, etc.....	32.38	178	Pay roll for June, 1890, services.....	1,178.75
125	F. P. May & Co., hardware, \$85.6; tools, \$1.70.....	87.31	179	Pennsylvania Railroad Company, travel.....	2.00
126	E. W. Ellsworth, tools.....	9.00	180	Yale & Towne Manufacturing Co., hardware.....	29.00
127	Pay roll for March, 1890, services.....	1,057.50	181	E. E. Jackson & Co., frames, stands, etc.....	10.00
128	W. B. Williams, frames, stands, etc.....	8.00	182	Chas. T. Carter & Co., tools.....	1.00
129	H. Rosendale, tools.....	4.00	183	Robt. Boyd, tin, \$12.50; hardware, \$11.67; tools, \$1.50.....	25.67
130	Woodward & Lothrop, cloth, cotton, felt.....	5.25	184	Geo. P. Clarke, rubber goods.....	13.41
131	C. Rabbitt, services.....	26.00	185	Chas. H. Ourand, designs for cases.....	40.75
132	Kane & Roache, apparatus.....	19.50	186	M. G. Copeland & Co., office furniture.....	50.00
133	B. & W. B. Smith, exhibition case frames.....	395.00	187	Bausch & Lomb Optical Co., apparatus.....	39.75
134	Scoville & Adams Company, apparatus.....	17.20	188	G. Ryneal, jr., paints, oils, etc.....	4.20
135	A. P. McElroy, hardware.....	1.50	189	Wm. H. Butler, paints, oils, etc.....	6.10
136	S. S. Shedd & Bro., hardware.....	.60	190	W. H. Veerhoff, frames, stands.....	1.60
137	Robert Boyd, hardware, \$35.95; tin, lead, etc., \$1.51.....	37.46	191	F. P. May & Co., hardware.....	.30
138	M. Lindsay, rubber goods.....	10.50	192	F. A. Schneider, hardware.....	.38
139	Merchant & Co., tin, lead, etc.....	25.87	193	W. B. Moses & Sons, office furniture.....	2.17
140	T. Somerville & Sons, hardware.....	4.55	194	M. W. Beveridge, office furniture.....	8.00
141	W. B. Moses & Son, cotton, cloth, felt.....	25.24	195	Robt. Boyd, hardware.....	17.15
142	R. C. Remmey, glass jars.....	25.00	196	Smith & Caldwell, apparatus.....	300.00
143	A. W. Martin, services.....	33.00	197	J. B. Shannon & Sons, hardware.....	7.00
144	F. P. May & Co., hardware.....	26.00	198	Robert Leitch & Sons, hardware.....	7.81
145	Pay roll for April, services.....	1,176.00	199	L. H. Schneider's Son, hardware.....	15.65
146	H. H. Hempler, apparatus.....	1.50	200	M. Lindsay, rubber goods.....	1.00
147	W. H. Haney, services.....	33.00	201	F. Miller, paints, oils.....	32.25
148	Geo. W. Dant, plaster, bricks, etc.....	24.00	202	J. Blake Kendall, hardware.....	.50
149	John H. Bond, services.....	10.32	203	Bausch & Lomb Optical Company, office furniture.....	3.00
150	Chas. Becker, paints and oils.....	5.72	204	John Pfeifer & Co., services, special.....	10.00
151	F. A. Schneider, hardware.....	2.16	205	Church & Stephenson, lumber.....	183.21
152	J. W. Queen & Co., apparatus.....	129.05	206	J. E. Watkins, travel.....	2.95
153	J. B. Shannon & Son, hardware.....	6.00	207	J. B. Shannon & Sons, hardware.....	194.46
154	Wm. H. Butler, paints, oils.....	3.90	208	do.....	68.00
155	Belt & Dyer, frames, stands, etc.....	1.44	209	Holbrook Bros., glass.....	105.32
156	Thos. W. Smith, frames, stands, etc.....	14.00	210	L. H. Schneider's Son, hardware, \$1.30; tools, \$2.20; brushes, \$1.....	4.50
157	Geo. Ryneal, jr., glass, \$38.60; hardware, \$5.92.....	44.52			

HEATING, LIGHTING, ELECTRIC, AND TELEPHONIC SERVICE.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for expenses of heating, lighting, and electrical and telephonic service for the National Museum" (sundry civil act, March 2, 1889. Public 154, p. 16) \$12,000.00

Expenditures from July 1, 1889, to June 30, 1890.

Salaries or compensation:

1 engineer, 8 months 23 days, at \$120	\$1,049.03
1 fireman 10 months 58 days, at \$50	595.06
1 fireman, 7 months 112 days, at \$50	536.87
1 fireman, 12 days, at \$47.50 per month	18.39
1 fireman, 12 months, at \$50 per month	600.00
Do	600.00
1 fireman, 11 months, 28 days, at \$50	596.67
1 fireman, 12 days, at \$50 per month	19.35
1 fireman, 2 months, at \$40 per month	80.00
1 telephone clerk, 3 months 54 days, at \$1.75	199.50
1 telephone clerk, 12 months, at \$60	720.00
1 inspector (job)	100.00

Total expenditures for salaries

5,114.87

General expenses:

Coal and wood	\$2,058.26
Gas	1,113.82
Telephones	601.05
Electric work	154.40
Electrical supplies	110.09
Rental of call boxes	100.00
Heating repairs	269.25
Heating supplies	147.86
Travel	3.25
	<u>4,557.98</u>

Total expenditures, July 1, 1889, to June 30, 1890, heating,
lighting, etc

9,672.85

Balance July 1, 1890, to meet outstanding liabilities

2,327.15

Expenditures from July 1 to November 30, 1890.

Gas	\$74.50
Telephones	201.00
Electric work	60.00
Rental of call boxes	20.00
Heating supplies	7.80

Total expenditures to November 30, 1890

363.30

Balance December 1, 1890, to meet outstanding liabilities

1,963.85

Detailed list of vouchers for expenditures for heating, lighting, etc., 1889-90.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	Pay roll for July, 1889, services...	\$378.39	15	John T. Coleman, boiler tubes ...	\$6.77
2	Gaslight Company, gas for July...	69.88	16	F. Miller, lantern burners .....	.96
3	Mutual District Messenger Com- pany, box rent, July	10.00	17	A. H. Young, stove grate	1.00
4	Pay roll for August, services	421.94	18	Mutual District Messenger Com- pany, box rent, August	10.00
5	J. M. Lloyd, repairing flue	5.00	19	T. Somerville & Sons, pipe and re- pairs	5.33
6	Wm. H. Baum, 244 ³ / ₄ tons coal (479)	1,169.55	20	Baker, Smith & Co., grate and spindle	5.28
7	J. M. Lloyd, relining 6 boilers	262.00	21	J. L. Barbour & Son, matches and candles	6.40
8	Gas Company, for August	74.26	22	Chesapeake and Potomac Tele- phone Company, moving tele- phones	6.40
9	Manning, Maxwell & Moore, tube expander	27.50	23	Pay roll for November, services ..	430.00
10	Pay roll for September, services ..	430.00	24	Gaslight Company, for Novem- ber	116.50
11	Gaslight Company for Septem- ber	83.63	25	W. H. Baum, 1,100 pounds Cum- berland coal, \$1.90; 3 tons stove coal, \$16.50	18.40
12	Chesapeake and Potomac Tele- phone Company, 20 sets, July- September, 1889, at \$40	200.00			
13	Pay roll for October, 1889, services ..	428.39			
14	Gaslight Company, for October ..	90.51			

18 EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
26	Chesapeake and Potomac Telephone Company, moving telephones	\$2.20	52	Pay roll for March 1890, services	\$482.27
27	Mutual District Messenger Company, box rent, September	10.00	53	E. F. Brooks, supplies	25.90
28	Pay roll for December, 1889, services	430.00	54	A. H. Young, supplies	2.00
29	William H. Baum, 100 tons furnace coal, at \$4.79	479.00	55	Chesapeake and Potomac Telephone Co., electric work	6.05
30	Geo. Rynear, jr., supplies	2.65	56	Gas Co., gas	121.51
31	Francis Miller, supplies	.15	57	Royce & Marean, electric work	237.34
32	Gaslight Company, gas	106.88	58	Chesapeake and Potomac Telephone Co., telephones	201.05
33	W. H. Baum, coal and wood	72.90	59	W. H. Baum, coal and wood	187.61
34	Mutual District Messenger Company, rent	10.00	60	S. S. Shedd & Bro., supplies	1.20
35	Chesapeake and Potomac Telephone Company, rent of 20 telephones 3 months, at \$40 per annum	200.00	61	Robert Boyd, supplies	9.89
36	Pay roll for January, 1890, services	430.00	62	W. F. Jackson, electric work	100.00
37	W. A. Wilson, supplies	5.00	63	Pay roll for April	383.33
38	Robert Leitch & Sons, supplies	21.55	64	Gas Co., gas	110.78
39	W. H. Baum, coal	27.50	65	Mutual District Messenger Co., rental	10.00
40	Gas Co., gas	120.63	66	W. H. Baum, coal	2.00
41	T. Somerville & Sons, supplies	.40	67	R. Leitch & Sons, supplies	18.18
42	Francis Miller, supplies	3.20	68	Pay roll for May, 1890, services	385.00
43	M. C. Dyer, services	28.00	69	Mutual District Messenger Co., rental	10.00
44	Shepherd & Hurley, supplies	.90	70	C. A. Muddiman, supplies	5.75
45	M. C. Dyer, services	21.00	71	Gas Co.	92.88
46	Pay roll for February, services	428.21	72	Henry Horan, travel	3.25
47	Gaslight Co., gas	126.38	73	Pay roll for June, 1890	338.34
48	W. H. Baum, coal and wood	101.30	74	Gaslight Co.	74.50
49	L. H. Schneider's Son, supplies	5.10	75	J. L. Barbour & Son, supplies	2.50
50	E. Howard Watch and Clock Co., supplies	7.50	76	Mutual District Messenger Co., services	10.00
51	Mutual District Messenger Co., rental call boxes	40.00	77	Chesapeake and Potomac Telephone Co., telephones	201.00
			78	Royce & Marean, electric work	60.00
			79	Mutual District Messenger Co., rental	10.00
			80	J. L. Barbour & Son, supplies	5.30

POSTAGE, NATIONAL MUSEUM.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for postage stamps and foreign postal cards for the National Museum." (Sundry civil act, March 2, 1889. Public 154, p. 16.) \$1,000.00

Expenditures from July 1, 1889, to June 30, 1890.

For postage stamps and postal cards 500.00

Balance July 1, 1890 500.00

PRINTING, NATIONAL MUSEUM.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for printing labels and blanks for the use of the National Museum and for the Bulletins and annual volumes of the Proceedings of the Museum." (Sundry civil act, March 2, 1889. Public 154, p. 45) \$10,000.00

Appropriation in deficiency act approved December, 19, 1889. (Public 1, p. 1) 745.16

10,745.16

Expenditures from July 1, 1889, to June 30, 1890.

Bulletins Nos. 34, 35, 36, 37 \$3,235.94

Proceedings, Vols. XI, XII, XIII 3,137.99

Extras from Museum Reports 744.43

Circulars 44.40

Labels for specimens 2,197.01

Letter heads, memorandum pads, and envelopes 318.74

Blanks, time books, order books, etc 832.54

Catalogue cards 121.56

Congressional Records 48.00

Total expenditure July 1, 1889, to June 30, 1890, printing, Museum 10,680.61

Balance July 1, 1890 64.55

NORTH AMERICAN ETHNOLOGY.

Appropriation by Congress for the fiscal year ending June 30, 1890, "for the purpose of continuing ethnological researches among the American Indians under the direction of the Secretary of the Smithsonian Institution, including salaries or compensation of all necessary employes." (Sundry civil act, March 2, 1869. Pub. 154, p. 16)

	\$40,000.09	
Balance July 1, 1889	13,491.22	
	\$53,491.22	\$53,491.22

Expenditures from July 1, 1889 to June 30, 1890.

CLASSIFICATION OF EXPENDITURES (A).

(a) Salaries or compensation :	
2 ethnologists, at \$3,000 per annum	\$6,000.00
1 ethnologist, per annum	2,400.00
1 archaeologist, per annum	2,400.00
3 ethnologists, at \$1,800 per annum	5,400.00
1 assistant ethnologist, at \$1,500 per annum, 1 month	125.00
1 assistant archaeologist, at \$1,500 per annum, 3 months	375.00
1 assistant ethnologist, at \$1,500 per annum, 3 months	375.00
1 assistant ethnologist, per annum	1,400.00
1 assistant archaeologist, at \$1,400 per annum, 3 months	350.00
1 assistant ethnologist, per annum	1,200.00
1 assistant ethnologist, at \$1,200 per annum, 3 months 17 days	354.84
1 assistant ethnologist, at \$1,200 per annum, 9 months	900.00
1 assistant ethnologist, at \$1,200 per annum, 9 months	900.00
1 assistant ethnologist, at \$1,000 per annum, 9 months	750.00
1 stenographer, per annum	1,000.00
1 assistant ethnologist, at \$900 per annum, 5 months, 25 days	437.50
1 assistant ethnologist, at \$720 per annum, 6 months, 6 days	376.00
1 ethnologic aid, at \$900 per annum, 5 months, 25 days	437.50
1 ethnologic aid, at \$600 per annum, 7 months, 5 days	308.05
1 copyist, per annum	900.00
1 modeller, per annum	720.00
1 modeller, at \$660 per annum, 6 months, 6 days	346.65
1 modeller, at \$600 per annum, 9 months	450.00
1 modeller, at \$660 per annum, 1 month	55.00
1 modeller, 2 months at \$60, one month at \$55, 9 months at \$50	625.00
1 modeller, at \$720 per annum, 2 months	120.00
1 modeller, at \$480 per annum, 3 months	120.00
1 copyist, per annum	720.00
1 copyist, at \$600 per annum, 9 months	450.00
2 clerks, at \$600 per annum	1,200.00
1 clerk, per annum	720.00
1 messenger, per annum	600.00
1 messenger, at \$480 per annum, 1 month, 23 days	70.66
1 modeller, at \$480 per annum, 3 months, 24 days	150.97
1 interpreter, at 900 per annum, 3 months	225.00
Unclassified or special jobs or contracts	875.00
Total salaries or compensation	33,831.17

Expenditures from July 1, 1889, to June 30, 1890—Continued.

(b) Miscellaneous:		
Travelling expenses	\$3,958.34	
Transportation of property	336.43	
Field supplies	752.84	
Field supplies for distribution to Indians	131.36	
Instruments	5.18	
Laboratory materials	51.28	
Books for library	756.12	
Stationery and drawing material	330.45	
Illustrations for report	637.08	
Office furniture	392.38	
Office supplies and repairs	206.76	
Telegrams .....	.70	
Specimens	18.00	
		<u>\$7,576.92</u>
Total expenditure	41,408.09	
Bonded railroad accounts settled by United States Treasury	50.05	
		<u>41,458.14</u>
Total expenditure North American ethnology	41,458.14	
Balance July 1, 1890, to meet outstanding liabilities	12,033.08	
		<u><u>12,033.08</u></u>

EXPENDITURES RECLASSIFIED BY SUBJECT-MATTERS (B).

Sign language and picture writing	\$4,440.83
Exploration of mounds, eastern portion of United States	6,258.31
Researches in archaeology, southwestern portion of United States	9,028.77
Researches, language of North American Indians	13,783.37
Salaries, office of director	4,209.64
Illustrations for report	673.46
Contingent expenses	3,013.71
	<u>41,408.09</u>
Bonded railroad accounts settled by United States Treasury	50.05
	<u>41,458.14</u>
Total expenditure	41,458.14

SUMMARY.

July 1, 1889. Balance on hand	\$13,491.22
By appropriation for North American ethnology, 1890	40,000.00
	<u>\$53,491.22</u>
By expenditures	41,458.14
	<u>12,033.08</u>
Balance on hand July 1, 1890	12,033.08
Deposited as follows:	
To credit of disbursing agent	2,581.38
In the United States Treasury	9,451.70
	<u>12,033.08</u>

EXPENDITURES OF THE SMITHSONIAN INSTITUTION.

21

DETAILED LIST OF VOUCHERS FOR EXPENDITURES FOR NORTH AMERICAN ETHNOLOGY,
1889-'90.Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during
the first quarter of 1890.

No.	To whom paid.	For what paid.	Amount.
1	W. H. Morrison	Publications	\$23. 93
2	Henry Lee Reynolds	Travelling expenses	6. 55
3	James D. Middleton	do	28. 73
4	Nora Thomas	do	4. 10
5	Cyrus Thomas	do	22. 50
6	Gore, Janney & Co	File case	35. 00
7	George Creed	Services (job)	100. 00
8	Mary M. Mitchell	Preparation of drawings	49. 50
9	T. E. Stevenson	Services, March 1-May 31, 1889	200. 00
10	Baltimore and Ohio R. R. Co	Transportation of assistants	35. 00
11	Pennsylvania R. R. Co	do	11. 95
12	Royce & Mearns	Office supplies	30. 00
13	W. H. Holmes	Services, July, 1889	200. 00
14	James Mooney	do	11. 95
15	Pay-roll of employes	do	1, 493. 33
16	do	do	525. 00
17	do	do	248. 33
18	Robert Boyd	Office supplies	2. 35
19	T. E. Stevenson	Services, June, 1889	100. 00
20	George Ryneal, jr.	Supplies for modelling	3. 45
21	John C. Parker	Office material	10. 00
22	J. N. B. Hewitt	Travelling expenses	35. 25
23	J. M. Beach & Co.	Services (job)	11. 00
24	Godlieb Spitzer	Rubber stamp	2. 38
25	Adams Express Co	Freight charges, April 1889	1. 55
26	do	Freight charges, March 1889	1. 50
27	W. M. Beauchamp	Services, July 12-31, 1889	32. 25
28	J. Curtin	Services, May 1889	150. 00
29	do	Services, June 1889	150. 00
30	L. H. Schneider's Son	Supplies for modelling purposes	1. 50
31	W. H. Holmes	Travelling expenses	46. 05
32	E. E. Jackson & Co	Supplies for modelling	16. 83
33	Adams Express Co	Freight charges, May 1889	7. 55
34	James D. Middleton	Travelling expenses	80. 29
35	Cyrus Thomas	do	27. 05
36	Pennsylvania R. R. Co	Transportation of assistants	22. 45
37	Nora Thomas	Travelling expenses	14. 40
38	Wyckoff, Seamans & Benedict	Office and material	2. 00
39	Thomas Bryan	Supplies for modelling	8. 00
40	E. Morrison	Office supplies	19. 55
41	Western Union Telegraph Company	Telegrams, May, 1889	70. 00
42	W. H. Holmes	Travelling expenses	10. 27
43	James C. Pilling	do	50. 43
44	Henry Lee Reynolds	Services, August, 1889	125. 00
45	Pay-roll of employes	do	300. 00
46	do	do	362. 58
47	do	do	1, 563. 76
48	James Mooney	do	116. 66
49	Mary M. Mitchell	Preparation of drawings	60. 00
50	Charles Praetorius	Negative	48. 66
51	Citizens' National Bank	Bill of exchange	64. 00
52	J. N. B. Hewitt	Travelling expenses	52. 73
53	George Ryneal, jr.	Office material	2. 70
54	W. E. Safford	Illustrations	9. 60
55	George C. Phelps	do	5. 00
56	Baltimore and Ohio Railroad	Transportation of assistants	21. 50
57	do	do	21. 50
58	L. H. Schneider's Son	Material for modelling	13. 70
59	Pennsylvania Railroad Company	Transportation of assistants	49. 85
60	W. H. Holmes	Travelling expenses	32. 55
61	Z. D. Gilman	Office supplies	4. 40
62	W. J. Hoffman	Travelling expenses	220. 25
63	W. M. Beauchamp	Services, August, 1889	50. 00
64	J. E. Crandall	Office supplies	25. 00
65	Pay-roll of employes	Services, September, 1889	240. 00
66	do	do	425. 00
67	do	do	1, 726. 66
68	James Mooney	do	116. 66
69	J. Curtin	Services, July and August, 1889	300. 00
70	James C. Pilling	Travelling expenses	30. 85
	Total		0, 824. 34

Disbursements made by Victor Mindeff, special disbursing agent, Bureau of Ethnology, during the first quarter of 1890.

No.	To whom paid.	For what paid.	Amount.
1	S. E. Aldrich	Field material	\$10.00

Disbursements made by John D. McCheaney, disbursing agent, Bureau of Ethnology, during the second quarter of 1890.

1	Henry Lee Reynolds	Travelling expenses	\$131.19
2	J. N. B. Hewitt	do	49.88
3	W. M. Beauchamp	do	13.82
4	St. Paul, Minnesota and Manitoba E. R.	Transportation of assistants	21.42
5	Richmond and Danville R. R.	do	15.50
6	L. Legoff	Publications	8.00
7	David G. Francis	do	2.00
8	W. H. Lowdermilk	do	8.00
9	W. M. Beauchamp	Services, September, 1889	50.00
10	J. Curtin	do	150.00
11	James Mooney	Services, October, 1889	116.66
12	Pay-roll of employes	do	400.00
13	do	do	243.33
14	do	do	1,718.33
15	Adams Express Company	Freight charges, June, 1889	17.60
16	Joseph McDonough	Publications	4.00
17	Frank Lawrence	Photographing	6.00
18	Mary M. Mitchell	Original drawings	14.40
19	W. M. Beauchamp	Services, October, 1889	50.00
20	W. B. Saunders	Publications	2.00
21	W. H. Holmes	Field expenses	6.75
22	W. J. Hoffman	Travelling expenses	19.66
23	J. N. B. Hewitt	do	50.35
24	J. Curtin	do	273.00
25	Adams Express Company	Freight charges	1.70
26	John C. Parker	Services and supplies	7.00
27	James G. Bowen	Field transportation	49.00
28	Gore, Janney & Co	Letter file case	70.00
29	J. N. B. Hewitt	Travelling expenses	27.90
30	James Mooney	do	309.02
31	Pennsylvania E. R.	Transportation of assistant	11.95
32	Baltimore and Ohio E. R.	do	8.30
33	W. H. Holmes	Field expenses	21.00
34	Geo. E. Littlefield	Publications	47.50
35	Lucy L. Keyes	Services	10.00
36	Henry Lee Reynolds	Travelling expenses	3.45
37	W. H. Holmes	do	2.75
38	Henry Lee Reynolds	do	3.20
39	James Mooney	Services, November, 1889	116.66
40	Pay roll of employes	do	192.50
41	do	do	475.00
42	do	do	1,731.66
43	Cyrus Thomas	Travelling expenses	12.53
44	Nora Thomas	do	5.25
45	Henry Lee Reynolds	do	150.23
46	Mary M. Mitchell	Drawings	32.00
47	George Ryneal, jr.	Supplies for modelling	18.40
48	do	do	24.05
49	United States Express Company	Freight charges, March, May, 1889	1.19
50	J. Curtin	Services, October and November, 1889	300.00
51	W. H. Holmes	Field expenses	14.25
52	James G. Bowen	Field transportation	62.50
53	Henry A. Clark & Son	Typewriter	85.00
54	E. Tennessee, Virginia and Georgia Ry.	Transportation of assistants	16.50
55	Pennsylvania Railroad	do	23.90
56	Pittsburgh, Cincinnati & St. Louis RR.	do	10.00
57	E. Morrison	Artists' and field supplies	12.34
58	Fred. F. Daily	Charts	16.00
59	South Carolina Railway Company	Transportation of assistants	9.90
60	John C. Parker	Office supplies	9.00
61	George Miller	Services, November 16-30, 1889	37.50
62	Northern Pacific Railroad	Transportation of assistants	65.04
63	Adams Express Company	Freight charges, September, 1889 .....	.75
64	L. H. Schneider's Son	Supplies	30.88
65	H. A. Clarke & Co	Typewriter ribbons	2.00
66	J. W. Black & Co	Negatives	6.00
67	Pay roll of employes	Services, December, 1889	1,798.32
68	do	do	400.00
69	do	do	205.00
70	J. Curtin	do	150.00
71	Frank Lawrence	Negatives	4.00
72	Hume & Co	Office supplies	5.25
73	J. H. Davis	Office furniture	29.00
	Total		9,997.70

Disbursements made by Victor Mindeleff, special disbursing agent, Bureau of Ethnology, during the second quarter of 1890.

No.	To whom paid—	For what paid—	Amount.
1	Wutch-pa (Indian)	Field material.....	\$27 36

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during January, 1890.

1	J. D. Free, jr.	Publications	\$13. 70
2	John C. Parker	Typewriter ribbon	2. 50
3	E. E. Jackson & Co.	Supplies for modelling	38. 40
4	Gustav E. Stechert	Publications	29. 23
5	Robert Clarke & Co	do	3. 10
6	E. Morrison	Manuscript paper	4. 80
7	W. B. Moses & Son	Repairs to office furniture	5. 25
8	W. M. Beauchamp	Services, December 1, 1889, to January 16, 1890	75. 80
9	United States Express Company	Freight charges, October, 1889 .....	. 65
10	J. Curtin	Travelling expenses	377. 24
11	Wyckoff, Seamans & Benedict	Copyholder	2. 00
12	Frank Johnson	Plaster modelling tools	4. 00
13	M. W. Beveridge	Field and office material	2. 10
14	Browning & Middleton	Supplies for modelling	1. 60
15	Robert Boyd	Office material	2. 60
16	George McC. Smith	Illustrations	91. 00
17	W. H. Morrison	Publications	26. 25
18	W. H. Lowdermilk & Co	do	4. 60
19	George Ryneal, jr.	Supplies for modelling	15. 60
20	Pay roll of employés	Services, January, 1890	371. 12
21	do	do	400. 00
22	do	do	1, 809. 44
	Total		3, 280. 98

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during February, 1890.

1	F. F. Daly	Services	\$10. 50
2	William Ballantyne	Publications	6. 82
3	Robert Boyd	Field material	5. 85
4	Julius Laneburgh	Office furniture	3. 00
5	Pennsylvania Railroad	Transportation of assistants	22. 70
6	Alice Moran	Original drawings	19. 00
7	W. H. Lowdermilk	Publications	61. 40
8	Charles L. Webster	do	30. 00
9	D. G. Brinton	do	3. 00
10	Wyckoff, Seamans & Benedict	Typewriter stand	2. 50
11	J. F. Manning	Specimens	12. 00
12	Henry A. Clarke & Son	Typewriter, with case	85. 00
13	F. F. Daly	Specimens	25. 00
14	Julius Laneburgh	Window shades	10. 90
15	Moss Engraving Company	1 photo title page	17. 00
16	Adams Express Company	Freight charges	3. 95
17	F. S. Leisinerig	Welsbach mantels	2. 50
18	George Ryneal, jr.	Office and artists' supplies	9. 35
19	E. E. Jackson & Co	Office table, etc	11. 74
20	T. E. Stevenson	Traveling expenses	19. 50
21	George W. Knox	Freight charges	7. 24
22	Mary M. Mitchell	Drawings	20. 00
23	Wash. B. Williams	Office furniture	40. 55
24	Adams Express Company	Freight charges	10. 05
25	Apollo Hale	Services, November 15, 1889, to February 15, 1890	25. 00
26	Pay roll of employés	Services, February, 1890	1, 903. 32
27	do	do	400. 00
28	do	do	285. 00
	Total		3, 052. 87

Disbursements made by John D. McCheesney, disbursing agent, Bureau of Ethnology, during March, 1890.

No.	To whom paid.	For what paid.	Amount.
1	Chas. C. Darwin	Travelling expenses.....	\$32.40
2	Bangs & Co.....	Publications.....	75.55
3	Gore, Janney & Co.....	Catalogue card holders.....	3.60
4	Ellen S. Cudlip and Fillmore Beall	Supplies.....	48.05
5	J. Wallace.....	Specimens.....	6.00
6	Edward J. Hannan.....	Repairs to drop light.....	1.55
7	David G. Francis.....	Publications.....	74.25
8	Baltimore and Potomac Railroad.....	Transportation of assistants.....	10.75
9	John C. Parker.....	Record ribbon.....	2.00
10	E. J. Pullman.....	Supplies for illustrations.....	31.51
11	Charles Scribner & Sons.....	Publications.....	9.42
12	Scribner & Welford.....	.....do.....	68.73
13	T. E. Stevenson.....	Services, October 1, 1889, to February 28, 1890.....	400.00
14	W. B. Moses & Son.....	Office chairs.....	8.00
15	Henry A. Clark & Son.....	Typewriter ribbons.....	4.00
16	Dunham, Buckley & Co.....	Supplies for distribution to Indians.....	131.36
17	J. Curtin.....	Travelling expenses.....	535.35
18	Wash B. Williams.....	Office furniture.....	4.00
19	George Ryneal, jr.....	Supplies, etc.....	17.25
20	Wyckoff, Seamans & Benedict.....	Repairs to typewriter, etc.....	2.65
21	Pay roll of employes.....	Services, March, 1890.....	1,903.32
22	.....do.....	.....do.....	400.00
23	.....do.....	.....do.....	315.97
24	E. J. Pullman.....	Material and supplies.....	59.62
25	Albert S. Gatschet.....	Cash paid for services.....	10.00
26	Mary M. Mitchell.....	Illustrations.....	50.50
	Total.....	.....	4,206.43

Disbursements made by Victor Mindeleff, special disbursing agent, Bureau of Ethnology, during the third quarter of 1890.

1	Victor Mindeleff.....	Traveling expenses.....	\$499.13
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Disbursements made by John D. McCheesney, disbursing agent, Bureau of Ethnology, during April, 1890.

1	George Ryneal, jr.....	Supplies.....	\$15.80
2	Adams Express Company.....	Freight, December, 1889.....	46.45
3	.....do.....	Freight, January, 1890.....	34.95
4	.....do.....	Freight, February, 1890.....	1.50
5	Z. D. Gilman.....	Laboratory supplies.....	5.20
6	Henry A. Clarke & Son.....	Typewriter ribbons.....	4.00
7	James S. Topham.....	Supplies.....	16.00
8	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	22.00
9	United States Express Company.....	Freight charges, November, 1889, to February, 1890.....	10.20
10	Ellen S. Cudlip and Fillmore Beall.....	Supplies.....	4.80
11	Louis S. Hayden.....	Publications.....	50.00
12	E. J. Pullman.....	Supplies.....	7.63
13	Mary M. Mitchell.....	Illustrations.....	57.60
14	Cyrus Thomas.....	Travelling expenses.....	35.35
15	Pay roll of employes.....	Services, April, 1890.....	1,961.65
16	.....do.....	.....do.....	400.00
17	.....do.....	.....do.....	275.00
	Total.....	.....	2,945.63

Disbursements made by John D. McCheesney, disbursing agent, Bureau of Ethnology, during May, 1890.

No.	To whom paid.	For what paid.	Amount.
1	W. H. Holmes	Cash paid for field expenses	\$16.50
2	Ohio and Mississippi Rwy Company	Freight	2.03
3	M. W. Beveridge	Laboratory supplies	1.75
4	E. J. Pullman	Supplies	2.50
5	J. D. Free, jr	Publications	2.00
6	L. H. Schneider's Son	Miscellaneous supplies	5.73
7	Wyckoff, Seamans & Benedict	Repairs to type-writer	5.50
8	W. H. Holmes	Cash paid for expenses	24.00
9	T. E. Stevenson	Travelling expenses	53.79
10	M. S. Clark	do	53.79
11	C. D. Mansfield	Services, April 5 to May 3, 1890	25.00
12	Pennsylvania Railroad Company	Transportation of assistants	123.70
13	Charles Scribner's Sons	Publications	14.77
14	Scribner & Welford	do	24.25
15	Dodd, Mead & Co.	do	20.00
16	W. H. Morrison	do	14.23
17	T. E. Stevenson	Services, March 15 to April 30, 1890	154.24
18	Robert Clark & Co.	Publications	4.00
19	Bureau of Engraving and Printing	Dry pulp	10.12
20	Henry Lee Reynolds	Travelling expenses	18.00
21	John C. Parker	Office supplies	2.25
22	D. B. Fletcher & Co.	do	5.25
23	George Rynael, jr.	Artists' supplies	6.03
24	Robert Cameron	Repairs	17.00
25	W. H. Holmes	Field expenses	22.50
26	Rio Grande Western Railroad	Freight	1.16
27	E. E. Jackson & Co.	Lumber	18.18
28	W. H. Holmes	Cash paid for expenses	22.50
29	T. E. Stevenson	do	185.82
30	J. B. Hammond	1 ash card-case	69.10
31	Lewis S. Hayden	Publications	5.00
32	H. Hoffa	Modelling supplies	3.65
33	T. E. Stevenson	Services, May, 1890	100.00
34	Pay-roll of employes	do	275.00
35	do	do	400.00
36	do	do	1,961.65
	Total		3,705.03

Disbursements made by John D. McCheesney, disbursing agent, Bureau of Ethnology, during June, 1890.

1	Mary M. Mitchell	Original drawings	\$40.50
2	W. H. Holmes	Field expenses	22.50
3	T. E. Stevenson	do	7.35
4	Nora Thomas	Travelling expenses	4.25
5	Rorce & Mareau	Electric supplies	.60
6	C. D. Mansfield	Services May 5, to June 4, 1890	25.00
7	E. J. Pullman	Glass-holders	.75
8	W. H. Holmes	Field expenses	27.00
9	F. M. Draney	Hire of wagon, etc	75.00
10	Gustav E. Stegert	Publications	61.36
11	Pennsylvania Railroad	Transportation of assistants	23.75
12	Richmond and Danville Railroad	do	40.35
13	W. H. Holmes	Field expenses	12.00
14	Dodd, Mead & Co.	Publications	20.00
15	A. W. Cleland, jr.	Supplies	17.69
16	do	do	49.79
17	William D. Clark & Co	Modelling supplies	2.80
18	George Rynael, jr.	Supplies	25.12
19	Mary M. Mitchell	Twelve drawings	24.00
20	E. E. Jackson & Co	Supplies	20.00
21	David G. Francis	Publications	16.65
22	S. H. Chadbourne	do	3.75
23	Bangs & Co.	do	4.75
24	Henry A. Clarke & Son	Office supplies	8.00
25	T. E. Stevenson	Services June, 1890	100.00
26	Pay-roll of employes	do	275.00
27	do	do	400.00
28	do	do	1,961.65
29	W. H. Holmes	Field expenses	27.00
	Total		3,296.61

Disbursements made by Victor Mindeteff, special disbursing agent Bureau of Ethnology, during the fourth quarter, 1890.

No.	To whom paid.	For what paid.	Amount.
1	Griffith Seward	Field material	\$60. 09
2	Asa (Indian)	Collection, etc	115. 56
3	Thomas V. Keam	Subsistence and material	208. 09
4	Bizizzi-bi-silli (Indian)	Services	180. 00
			<u>562. 64</u>
	Grand total .....	.....	<u>41,488. 09</u>

NATIONAL ZOOLOGICAL PARK.

APPROPRIATION BY CONGRESS "FOR THE ORGANIZATION, IMPROVEMENT, AND MAINTENANCE OF THE NATIONAL ZOOLOGICAL PARK."

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the one-half of the following sums named respectively is hereby appropriated out of any money in the Treasury not otherwise appropriated, and the other half out of the revenues of the District of Columbia, for the organization, improvement, and maintenance of the National Zoological Park, to be expended under the direction of the Regents of the Smithsonian Institution, and to be drawn on their requisition and disbursed by the disbursing officer of said Institution :

For the shelter of animals	\$15,000.00
For shelter barns, cages, fences, and inclosures and other provisions for the custody of animals	9,000.00
For repairs to the Holt mansion to make the same suitable for occupancy, and for office furniture	2,000.00
For the creation of artificial ponds and other provisions for aquatic animals	2,000.00
For water supply, sewerage, and drainage	7,000.00
For roads, walks, and bridges	15,000.00
For miscellaneous supplies, materials, and sundry incidental expenses not otherwise provided for	5,000.00
For current expenses, including the maintenance of collections, food supplies, salaries of all necessary employes, and the acquisition and transportation of specimens	37,000.00

SEC. 2. That the National Zoological Park is hereby placed under the direction of the Regents of the Smithsonian Institution, who are authorized to transfer to it any living specimens, whether of animals or plants, now or hereafter in their charge; to accept gifts for the park, at their discretion, in the name of the United States; to make exchanges of specimens, and to administer the said Zoological Park for the advancement of science and the instruction and recreation of the people.

SEC. 3. That the heads of executive departments of the Government are hereby authorized and directed to cause to be rendered all necessary and practicable aid to the said Regents in the acquisition of collections for the Zoological Park.

Approved April 30, 1890.

	92,000.00
<i>Expenditures from April 30 to June 30, 1890.</i>	
Shelter barns, cages, etc	\$43.83
Miscellaneous supplies	157.57
Current expenses	717.10
Total expenditures National Zoological Park	918.50
Balance July 1, 1890	91,081.50

Expenditures from July 1 to November 30, 1890.

Shelter of animals	\$576.83
Shelter barns, etc	4,219.99
Repairs to Holt mansion	1,999.54
Water supply, etc	4.00
Roads, walks, and bridges	1,143.23
Miscellaneous supplies	1,281.23
Current expenses	8,305.13
Total expenditure to November 30, 1890	17,535.00
Balance December 1, 1890	73,546.50

Detailed list of vouchers for expenditures for National Zoological Park—1889-'90.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	W. C. Weeden, services	\$70.00	78	T. R. Mitchell, printing blanks	\$4.50
2	N. S. Cook, services	45.00	79	Wm. Ballantyne & Son, stationery	20.21
3	Jessie Short, services	6.00	80	Wilmarth & Edmonston, furniture	1.78
4	H. Baumgarten, rubber stamps	4.50	81	H. Baumgarten, stamps	17.00
5	Melville Lindsay, hose	18.50	82	E. Burgdorf, horse	150.00
6	S. P. Langley, travel	35.25	83	Pay roll, services	735.69
7	Church & Stephenson, lumber	17.18	84	do	65.07
8	Great Falls Ice Co., ice	4.73	85	do	401.22
9	Geo. Eynaal, jr., paints	5.75	86	E. O. Duffy, ocelot	20.00
10	F. P. May & Co., hardware	18.85	87	C. C. Carroll, food for animals	12.00
11	E. W. Nash, books	14.00	88	J. C. Parker, stationery	139.67
12	W. A. Conklin, freight	2.00	89	Wm. Thompson, sand	12.00
13	M. F. Talty, gravel	47.50	90	E. H. Kirlin, lime and cement	24.20
14	Laurice Sullivan, services	4.50	91	Samuel Payne, services	15.94
15	L. M. Cornwall, food for animals	46.13	92	Samuel Wedge, iron-work	3.85
16	Frank Baker, travel	40.82	93	L. M. Cornwall, food for animals	48.74
17	United States Express Co., freight	30.00	94	E. F. Brooks, gas fixtures	15.00
18	Geo. W. Knox, freight	2.05	95	N. V. Randolph & Co., pamphlet binders	11.40
19	Adams Express Co., freight	2.00	96	Church & Stephenson, lumber	12.84
20	Edw. S. Schmid, food for animals	13.75	97	The Hygienic Ice Co., ice	4.15
21	C. C. Carroll, food for animals	24.00	98	Pay roll, services	375.49
22	Robt. Letch & Sons, terra-cotta pipe	12.83	99	do	808.84
23	Daniel Harris, services	3.00	100	Edw. S. Schmid, food for animals	18.55
24	A. E. Brown, services	25.00	101	John W. Collins, stonework	171.87
25	Chas. Rabbitt, services	33.00	102	J. H. Anderson, grindstone	3.00
26	W. C. Weeden, services	70.00	103	D. Barber, ironwork	5.20
27	N. S. Cook, services	45.00	104	W. W. McCullough, lumber	499.00
28	J. B. Grinder, services	23.33	105	E. M. Grinder, bricks	95.33
29	Jos. Berres, services	16.00	106	Howell & Greenough, surveys and maps	230.00
30	J. W. H. Wood, services	6.00	107	Church & Stephenson, lumber	54.69
31	Geo. F. Redman, services	19.50	108	Fred. A. Schmidt, drawing material	8.25
32	Frank Baker, services	203.33	109	E. Burgdorf, horse hire	63.00
33	W. B. Moses & Son, furniture	19.50	110	Z. D. Gilman, soap	.90
34	A. G. Linkins, services	33.75	110	Gedney & Roberts, printing	3.25
35	Chas. M. Reed, services	13.50	111	C. C. Carroll, food for animals	14.40
36	L. M. Cornwall, food for animals	46.31	112	W. C. Lewis & Co., lime and cement	18.40
37	B. W. Burdine, services	4.00	113	F. P. May & Co., hardware	68.90
38	J. W. Stuart, services	17.50	114	do	11.74
39	W. C. Weeden, services	35.00	115	do	.70
40	N. S. Cook, services	22.50	116	Geo. W. Knox, freight	2.00
41	G. L. Snider, services	22.50	117	J. Baumgarten & Son, brand	451.16
42	Wash. Nailor, horse and cab hire	32.75	118	Chas. W. Smith, lumber	4.40
43	H. O'Neil, cartage	4.00	119	H. O'Neil, cartage	12.40
44	J. E. Grinder, services	20.00	120	J. Karr, clock	62.75
45	L. H. Schneider's Son, hardware	1.85	121	Wash. Nailor, cab hire	1.05
46	Capitol, North O Street and South Washington Ry. Co., cartickets	10.00	122	Adams Express Co., freight	1.50
47	F. P. May & Co., hardware	4.05	123	S. D. Houck, harness	1.00
48	C. C. Carroll, food for animals	24.00	124	United States Express Co., freight	1.00
49	W. V. Kramery, services	25.00	125	Robt. Boyd, ladder	7.00
50	H. P. Kramery, services	25.00	126	P. Mann, hardware	2.45
51	Chas. M. Reed, services	18.00	127	do	109.20
52	A. G. Linkins, services	18.00	128	Wyckoff, Seamans & Bro., type-writer ribbon	1.00
53	F. A. Schmidt, drawing materials	6.44	129	Pay roll, services	388.83
54	Zebulon Lowe, disinfectant	32.45	130	do	930.41
55	Edw. S. Schmid, food for animals	11.75	131	S. P. Langley, travel	211.74
56	Great Falls Ice Co., ice	4.38	132	L. M. Cornwall, food for animals	32.53
57	Geo. W. Knub, freight	.63	133	E. H. Kirlin, lime	19.00
58	The Eastman Co., photo. paper	12.60	134	A. M. Cronk, ironwork	1.00
59	T. R. Mitchell, printing blanks	117.77	135	Howell & Greenough, surveys and maps	225.00
60	Pay roll, services	532.49	136	Libby, Bittinger & Miller, lumber	853.75
61	F. P. May & Co., hardware	20.60	137	E. S. Schmid, food for animals	15.50
62	L. M. Cornwall, food for animals	51.89	138	F. R. Cooke, food for animals	20.66
63	Pay roll, services	338.50	139	C. C. Carroll, food for animals	16.80
64	do	227.94	140	W. H. Butler, pants, etc.	27.35
65	Wyckoff, Seamans & Bro., type-writer	118.00	141	Pitney & Shannon, hardware	22.80
66	Julius Lansburgh, furniture	78.10	142	The Hygienic Ice Co., ice	7.00
67	L. H. Schneider's Son, hardware	1.98	143	W. A. Penland & Co., board of horse	25.90
68	Judd & Detweiler, printing blanks	25.00	144	Jean Benizet, bear	50.00
69	Chas. A. Langley, cages	47.00	145	Pay roll, services	400.15
70	Edw. S. Schmid, food for animals	15.35	146	do	693.70
71	Melville Lindsay, hose	8.80	147	D. Barber, ironwork	4.45
72	Pay roll, services	70.50	148	J. Cooper, tinwork	20.80
73	do	96.28	149	United States Express Co., freight	3.40
74	Jno. McDermott & Bro., wagon	125.00	150	L. H. Schneider's Son, hardware	32.60
75	S. D. Houck, harness	52.00	151	E. E. Jackson & Co., lumber	6.93
76	Washington city post office, postage	10.00			
77	Frank Baker, travel	41.20			

Detailed list of vouchers for expenditures, etc.—Continued.

No.	Items of expenditures.	Amount.	No.	Items of expenditures.	Amount.
152	F. P. May & Co., hardware	\$16.83	174	S. D. Honck, harness	\$23.75
153	do	19.47	175	W. H. Penland & Co., board of horse	20.00
154	L. H. Hopkins, hardware	8.40	176	Bell Lithographing Co., map of park	30.00
155	Thos. Somerville & Son, brass.....	75	177	D. J. Howell, surveys and maps..	367.00
156	C. A. Schneider Sons, iron	4.00	178	F. P. May & Co., hardware	8.73
157	Easton & Rupp, stationery	3.00	179	F. R. Cooke, food for animals.....	54.56
158	Church & Stepienson, lumber	39.71	180	E. Burgdorf, horse hire	12.00
159	Pay roll, services	759.80	181	The Hygienic Ice Co., ice	2.92
160	do	540.39	182	C. C. Carroll, food for animals....	13.00
161	John Hamlin, horseshoeing	1.75	183	S. S. Daish & Son, food for animals.	69.29
162	D. Barber, ironwork	6.65	184	John Hamlin, horseshoeing	1.50
163	Pay roll, services	514.65	185	Royce & Marean, electric work ..	7.60
164	do	1,057.22	186	Chesapeake and Potomac Tele- phone Co., telephone and rental ..	19.13
165	Wm. C. Lewis & Co., cement	17.20	187	Tschieffely & Evans, verdigris...	.20
166	S. S. Daish & Son, food for animals.	164.26	188	D. N. Walford, hardware	3.00
167	Geo. L. Sheriff, coal	9.74	189	Jas. L. Barbour & Son, food for animals	69.58
168	D. O. Munson, spruce and pine trees	41.00	190	Pay roll, services	675.34
169	J. W. Collins, stonework	80.47	191	do	1,384.59
170	Fred Rice, services	40.00			
171	Frank Baker, travel	7.55			
172	A. B. Baker, travel	46.65			
173	J. C. Parker, stationery	29.30			