

1908 (131) British Museum. Return to an order of the Honourable the House of Commons, dated 18 February 1908;--for, copy "of account of the income and expenditure of the British Museum (special trust funds) for the year ending the 31st day of March 1908; and, return of the number of persons admitted to visit the museum and the British Museum (Natural History) in each year from 1902 to 1907, both years inclusive; together with a statement of the progress made in the arrangement and description of the collections, and an account of objects added to them in the year 1907."

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BRITISH MUSEUM.

RETURN to an Order of the Honourable The House of Commons,  
dated 18 February 1908 ;--for,

COPY "of Account of the INCOME and EXPENDITURE of  
the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for  
the Year ending the 31st day of March 1908; and,  
RETURN of the Number of PERSONS admitted to visit  
the MUSEUM and the BRITISH MUSEUM (NATURAL  
HISTORY) in each Year from 1902 to 1907, both Years  
inclusive; together with a STATEMENT of the PROGRESS  
made in the ARRANGEMENT and DESCRIPTION of the  
COLLECTIONS, and an ACCOUNT of OBJECTS added to  
them in the Year 1907."

Treasury Chambers, }  
30 April 1908. }

C. HOBIHOUSE.

(*Mr. Trevelyan.*)

*Ordered, by The House of Commons, to be Printed,*  
*30 April 1908.*

L O N D O N :

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## I.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
To BALANCES on the 1st April 1907 - - -	50 15 -	13,150 13 10
- DIVIDENDS received on 13,150 <i>l.</i> 13 <i>s.</i> 10 <i>d.</i> Stock in 2½ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:		
On the 5th April 1907    £. 82 3 10		
"    5th July 1907     - 82 3 10		
"    5th October 1907 - 82 3 10		
"    5th January 1908 - 82 3 10		
	328 15 4	
- RENT OF A REAL ESTATE, Whitchurch, bequeathed by the Earl of Bridgewater (less charges of collection, repairs, &c.) -	17 4 8	
- NET PROCEEDS OF SALE of land and cottages, part of Whitchurch Estate (Bridgewater Bequest) - - - -	370 7 3	
- STOCK purchased as <i>per contra</i> - - -	—	447 10 1
	£. 767 2 3	13,598 3 11

## II.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
To BALANCES on the 1st April 1907 - - -	305 8 11	2,879 10 7
- DIVIDENDS received on 2,879 <i>l.</i> 10 <i>s.</i> 7 <i>d.</i> Stock in 2½ per Cent. Consols, bequeathed by Lord Farnborough, viz.:		
On the 5th April 1907    £. 17 19 11		
"    5th July 1907     - 17 19 11		
"    5th October 1907 - 17 19 11		
"    5th January 1908 - 17 19 11		
	71 19 8	
	£. 377 8 7	2,879 10 7

## BRIDGEWATER FUND, from the 1st April 1907 to the 31st March 1908.

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
By One Year's SALARY of the Egerton Librarian-	175 - -	
- AMOUNT expended on Fencing, &c., for Whit- church Property - - -	50 12 5	
- PURCHASE of 447l. 10s. 1d. Stock Consols -	370 7 3	
- BALANCES ON THE 31ST MARCH 1908, carried to Account for 1908-1909 - -	171 2 7	13,598 3 11
£.	767 2 3	13,598 3 11

## FARNBOROUGH FUND, from the 1st April 1907 to the 31st March 1908.

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
By AMOUNT expended on purchase of Manuscript-	251 2 -	
- BALANCES ON THE 31ST MARCH 1908, carried to Account for 1908-1909 - -	126 6 7	2,879 10 7
£.	377 8 7	2,879 10 7

## III.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

	CASH.	STOCK, 2½ % Consols.
	£. s. d.	£. s. d.
To BALANCES on the 1st April 1907 - - -	52 7 5	5,683 1 6
- DIVIDENDS received on 5,683 <i>l.</i> 1 <i>s.</i> 6 <i>d.</i> Stock in 2½ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:		
On the 5th April 1907 - £. 35 10 4		
"    5th July 1907 - 35 10 4		
"    5th October 1907 - 35 10 4		
"    5th January 1908 - 35 10 4		
	142 1 4	
	£. 194 8 9	5,683 1 6

## IV.--AN ACCOUNT of the RECEIPTS and EXPENDITURE of

	CASH.	STOCK, 2½ % Consols.
	£. s. d.	£. s. d.
To BALANCE on the 1st April 1907 - - -	—	565 3 9
- DIVIDENDS received on 565 <i>l.</i> 3 <i>s.</i> 9 <i>d.</i> Stock in 2½ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:		
On the 5th April 1907 - £. 3 10 8		
"    5th July 1907 - 3 10 8		
"    5th October 1907 - 3 10 8		
"    5th January 1908 - 3 10 8		
	14 2 8	
	£. 14 2 8	565 3 9

## SWINEY FUND, from the 1st April 1907 to the 31st March 1908.

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
By AMOUNT paid to Prof. J. Cossar Ewart, for Lectures on Geology in 1907 - - -	140 - -	
- BALANCES ON THE 31ST MARCH 1908, carried to Account for 1908-1909 - - -	54 8 9	5,683 1 6
£.	194 8 9	5,683 1 6

## the BIRCH FUND, from the 1st April 1907 to the 31st March 1908.

	CASH.	STOCK, 2½% Consols.
	£. s. d.	£. s. d.
By LEGACY paid to the three Under Librarians of the British Museum, whose offices existed in 1768, viz., the Keepers of the Departments of Printed Books, Manuscripts and Natural History - - -	14 2 8	
- BALANCE ON THE 31ST MARCH 1908, carried to Account for 1908-1909 - - -	-	565 3 9
£.	14 2 8	565 3 9

V.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the bequest and Extension of the Library and Reading-room of the British

	CASH.	LOCAL LOANS STOCK.
	£. s. d.	£. s. d.
To AMOUNT of Local Loans Stock on 1st April 1907 - - - - -	—	53,221 5 9
- DIVIDENDS received during the year - - -	1,615 6 9	
- AMOUNT of Local Loans Stock purchased with the Dividends - - - - -	—	1,682 13 8
£.	1,615 6 9	54,903 19 5

VI.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the bequest 1st April 1907 to

	CASH.	METROPOLITAN 3½% STOCK.
	£. s. d.	£. s. d.
To AMOUNT of Metropolitan 3½ per cent. Stock on 1st April 1907 - - - - -	—	7,558 11 7
- DIVIDENDS received during the year - - -	268 - 1	
- AMOUNT of Metropolitan 3½ per cent. Stock purchased with the Dividends - - - - -	—	265 17 -
£.	268 - 1	7,824 8 7



of the late MR. VINCENT STUCKEY LEAN (for the Improvement Museum) from the 1st April 1907 to the 31st March 1908.

	CASH.	LOCAL LOANS STOCK.
	£. s. d.	£. s. d.
BY AMOUNT expended in the purchase of 1,682l. 13s. 8d. Local Loans Stock, Commission, &c. - - - -	1,615 6 9	
- BALANCE OF STOCK ON THE 31ST MARCH 1908 carried to account for 1908-1909 - -	—	54,903 19 5
£.	1,615 6 9	54,903 19 5

of the late MR. CHARLES DRURY EDWARD FORTNUM from the the 31st March 1908.

	CASH.	METROPOLITAN 3½ % STOCK.
	£. s. d.	£. s. d.
BY AMOUNT expended in the purchase of 265l. 17s. -d. Metropolitan 3½ per cent. Stock, Commission, &c. - - - -	268 - 1	
- BALANCE OF STOCK ON THE 31ST MARCH 1908 carried to account for 1908-1909 - -	—	7,824 8 7
£.	268 - 1	7,824 8 7

*E. Maunde Thompson,*  
Director and Principal Librarian.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS Admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1902 to 1907, both Years inclusive.

	1902.		1903.		1904.		1905.		1906.		1907.	
	Weekday.	Sunday.	Weekday.	Sunday.	Week-day.	Sunday.	Week-day.	Sunday.	Week-day.	Sunday.	Week-day.	Sunday.
January -	60,756	2,729	61,276	2,458	74,185	3,622	71,905	3,065	54,267	3,146	48,297	3,143
February -	48,575	2,396	56,153	3,617	62,945	3,834	59,212	3,513	44,034	3,432	43,522	3,775
March -	61,955	5,970	58,572	6,499	65,136	4,967	68,136	5,545	44,010	4,871	45,298	6,807
April -	72,051	5,933	82,342	6,372	84,667	5,907	88,755	8,897	61,298	6,664	54,485	6,020
May -	78,085	5,339	65,207	7,483	72,706	6,153	65,143	6,002	52,000	4,918	50,036	5,009
June -	68,824	6,033	81,232	5,524	65,980	4,483	71,619	5,327	55,551	4,569	43,238	7,071
July -	70,333	5,395	86,011	5,309	74,591	5,136	62,396	6,492	56,513	6,404	48,799	6,152
August -	83,874	7,090	90,534	7,565	89,089	4,948	79,875	4,976	71,925	5,613	72,023	5,184
September -	64,247	5,793	68,748	5,890	83,673	6,640	67,891	5,780	50,615	6,769	43,485	7,050
October -	63,611	4,766	73,944	5,233	77,805	5,806	49,502	6,566	53,847	5,008	48,878	5,669
November -	54,089	4,304	61,877	4,086	69,058	3,051	28,392	3,422	46,621	3,110	44,577	3,890
December -	60,450	2,771	72,904	2,012	77,864	2,305	38,726	1,622	41,531	3,234	40,141	3,761
Total Number of Persons admitted to view the General Collections.	786,850	58,519	858,800	62,048	897,699	56,852	751,552	62,107	634,212	57,738	582,779	63,521
	845,369		920,848		954,551		813,659		691,950		646,300	

NUMBER OF VISITS OF STUDENTS TO PARTICULAR DEPARTMENTS.

	1902.	1903.	1904.	1905.	1906.	1907.
To the Reading Room - - - - -	211,244	209,713	226,323	214,940	212,997	137,682
„ Newspaper Room - - - - -	23,617	23,648	22,053	21,857	19,723	20,098
„ Map Room - - - - -	309	313	297	286	281	281
„ Department of Manuscripts - - -	9,063	10,291	10,469	10,623	11,414	11,851
„ Department of Oriental Printed Books and Manuscripts.	2,987	2,594	3,595	3,552	3,313	3,286
„ Print Room - - - - -	8,061	9,484	8,383	8,614	8,396	8,590
„ Egyptian and Assyrian Department - -	2,560	2,750	2,900	2,750	2,668	2,550
„ Greek and Roman Department - -	416	592	740	574	600	428
„ Galleries of Sculpture - - - - -	3,293	3,462	2,935	2,985	1,758	1,206
„ British and Mediæval Department - -	2,117	2,445	2,514	1,905	2,995	3,254
„ Coin and Medal Room - - - - -	4,015	4,495	4,223	4,411	4,365	4,191
Total - - - - -	267,682	269,787	284,432	272,497	268,510	193,420

ACCOUNTS, ETC., OF THE BRITISH MUSEUM. 11

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The British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Oriental Printed Books and Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), is open to the public free daily (except on Good Friday and Christmas Day and days of Public Fast or Thanksgiving), as follows :—

On WEEKDAYS from 10 a.m. to 6 p.m.

After 4 p.m. in January, February, November, December, and after 5 p.m. in March, September, October, only certain of the galleries remain open, viz. :—

On MONDAYS, WEDNESDAYS, and FRIDAYS	{ Exhibitions of Manuscripts, Printed Books, Prints and Drawings, Porcelain, Glass & Majolica; Prehistoric, British, Anglo-Saxon, Mediæval and Ethnographical Collections.
--	--

ON TUESDAYS, THURSDAYS, and SATURDAYS	{ Egyptian, Assyrian, Greek and Roman Galleries (exclusive of the Vase Rooms and Bronze Room); Gold Ornament Room, American Collections, and the Waddesdon Room.
--	--

On SUNDAY AFTERNOONS :—

From 2 to 4	p.m. in January, February, November, December.
„ 2 „ 5	„ „ October.
„ 2 „ 5.30	„ „ March, September.
„ 2 „ 6	„ „ April, May, June, July, August.

Persons applying for the purposes of research and reference are admitted to the Reading Room under certain regulations every weekday, except the days specified below, from 9 a.m. until 7 p.m. The Newspaper Room is open, under similar regulations, from 10 a.m. until 4, 5, or 6 p.m., according to the season of the year.

The Reading Room, Newspaper Room, and Students' Rooms in the Library and Department of Manuscripts are closed on Sundays, Good Friday, Christmas Day, and the first four weekdays in March and September.

Other Students' Rooms are closed on Sundays, Good Friday, and Christmas Day, and occasionally for cleaning.

Students are admitted generally to the several Departments, on weekdays, from 10 till 4 or 5 o'clock; and to the Sculpture Galleries from 9 o'clock till the hour of closing.

British Museum, }  
31 March 1908. }

*E. Maunde Thompson,*  
Director and Principal Librarian.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1902 to 1907, inclusive.

	1902.		1903.		1904.		1905.		1906.		1907.	
	Weekdays.	Sundays.	Weekdays.	Sundays.	Weekdays.	Sundays.	Weekdays.	Sundays.	Weekdays.	Sundays.	Weekdays.	Sundays.
January - - -	26,975	3,513	24,720	2,617	43,394	4,758	39,655	3,933	35,413	3,622	30,598	2,979
February - - -	19,603	3,431	22,099	4,662	26,900	5,481	23,614	4,445	25,960	4,227	26,846	4,250
March - - -	35,229	6,715	24,049	7,419	28,790	6,138	33,156	5,406	27,682	5,454	33,865	7,539
April - - -	35,313	6,082	59,546	5,853	56,671	6,418	60,418	7,071	41,218	6,929	58,220	7,394
May - - -	39,734	6,309	28,800	6,823	36,952	6,466	43,423	8,290	32,020	5,942	47,095	6,147
June - - -	31,170	5,827	41,440	5,827	32,022	4,887	66,124	7,455	42,840	4,380	37,105	7,144
July - - -	31,357	4,603	36,949	6,040	28,510	4,499	36,663	6,948	32,969	6,279	32,093	5,741
August - - -	42,750	6,632	51,044	7,346	43,554	5,178	57,812	6,206	49,279	5,811	49,158	5,954
September - - -	30,775	5,890	32,619	4,966	30,695	5,796	35,916	6,370	29,810	6,683	31,014	6,166
October - - -	25,922	4,969	31,620	4,171	23,689	5,929	33,263	6,793	37,739	5,354	33,618	5,722
November - - -	24,970	4,267	33,466	4,504	24,941	3,203	32,477	3,709	28,799	3,276	25,714	3,736
December - - -	28,786	2,737	37,187	2,960	33,500	2,156	33,758	3,458	24,677	3,194	25,744	3,595
Total Number of Persons admitted to view the Natural History Collections (including students)	372,584	61,035	423,545	63,188	409,648	60,909	496,229	70,084	411,406	61,151	431,070	66,367
	433,619		486,733		470,557		566,313		472,557		497,437	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS for the purpose of STUDY.

	1902.	1903.	1904.	1905.	1906.	1907.
Zoology - - -	10,633	11,627	11,824	11,811	10,813	11,043
Geology - - -	4,135	4,501	4,854	4,968	4,171	5,544
Mineralogy - - -	1,366	1,541	909	994	867	855
Botany - - -	2,068	2,108	2,358	1,939	2,065	2,245
Total - - -	18,202	19,877	19,945	19,712	17,916	19,687

The Exhibition Galleries of the British Museum (Natural History), Cromwell Road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, daily, except Good Friday and Christmas Day, and days of Public Fast or Thanksgiving.

The hours of Admission are as under :—

On WEEKDAYS, throughout the year from 10 a.m., in

January - - - - -	to	4	p.m.
February 1st to 14th - - - - -	„	4.30	„
February 15th to end - - - - -	„	5	„
March - - - - -	„	5.30	„
April to August - - - - -	„	6	„
September - - - - -	„	5.30	„
October - - - - -	„	5	„
November and December - - - - -	„	4	„

also, on MONDAYS and SATURDAYS only, from the beginning of May to the middle of July, to 8 p.m., and from the middle of July to the end of August, to 7 p.m.

On SUNDAYS, in

January - - - - -	from	2	to	4	p.m.
February 1st to 14th - - - - -	„	2	„	4.30	„
February 15th to end - - - - -	„	2	„	5	„
March - - - - -	„	2	„	5.30	„
April - - - - -	„	2	„	6	„
May to August - - - - -	„	2.30	„	7	„
September - - - - -	„	2	„	5.30	„
October - - - - -	„	2	„	5	„
November and December - - - - -	„	2	„	4	„

Persons are admitted to study in these Departments every weekday from 10 till 4 o'clock.

British Museum (Natural History), } *E. Maunde Thompson,*  
 22 February 1908. } Director and Principal  
 Librarian.

## VIII.—GENERAL PROGRESS AT THE MUSEUM, BLOOMSBURY.

The number of visitors to the Museum during the year 1907 was largely affected by the closing of the Reading Room for renovation. The total number of visits amounted to 646,300, as against 691,950 in 1906; the number of visits on week-days being 582,779, a falling off as compared with 634,212 in 1906, but, on the other hand, the Sunday visits rising to 63,521, as against 57,738 in the previous year.

The Reading Room was closed for repair and renovation from the 15th April to the 31st October. It was therefore accessible to readers for only 139 days in the year. While the room was closed, temporary accommodation was provided in the North Library for about 150 readers daily, on 172 days. The total number of visits by readers in the year was 137,682, being a daily average of 442, as against a total of 212,997, with a daily average of 702, in 1906.

The number of visits of Students to particular Departments (other than the Reading Room) in 1907 was 55,738, as against 55,513 in 1906. The variations of the numbers in the several Departments were not very great; rising in some degree in the Newspaper Room and in the Departments of Manuscripts, Prints and Drawings, and British and Mediæval Antiquities; and falling in the Departments of Egyptian and Assyrian, and of Greek and Roman, Antiquities, and of Coins and Medals, as well as in the Galleries of Sculpture.

The first contract for the erection of the British Museum Extension building in Montague Place, on the north side of the Museum, which was entered into in 1906 for the construction of the basement and sub-ground floor, was practically completed at midsummer. On the 27th June, His Majesty the King, accompanied by Her Majesty the Queen, laid the Foundation Stone of the new building, which, with the King's assent, will be named "King Edward the Seventh's Galleries."

Provision having been made by the First Commissioner of His Majesty's Works for the renovation of the Reading Room, which had not been repainted or redecorated since it was first opened in 1857, the room was closed and placed in the hands of the contractors on the 15th April. It was re-opened to readers on the 1st November. The entire fabric was carefully examined and tested, and, where necessary, repaired. The iron-work, of which the room is largely constructed, was found to have suffered no deterioration in the lapse of time, and scarcely a rivet had failed. The system of ventilation was thoroughly cleansed and improved in details. New electric wiring was installed. The backs of the book-cases round the room were closed in with sheet-iron; a slight material, merely to exclude draughts, having originally been employed. The wood-work of the fixed desks and the furniture of the room generally were made good and repolished. The floor was re-laid with cork-carpeting. The



original scheme of decoration was not followed, the colours which were at first applied to details of the great dome not being repeated, but white paint and gold alone being employed. The result has been a very great improvement of the light in the room.

The arduous work of removing the books of reference from the Reading Room previous to the renovation, of revising the collection, of weeding out obsolete books and of replacing them by recent works and additions, and of refilling the shelves after the renovation was completed, was punctually and successfully accomplished by the staff of the Library.

The stone-work of the steps of the North-West Staircase, which had become seriously worn, has been renewed. The rooms of the Department of Coins and Medals, the students' room of the Department of Prints and Drawings, the First and Third Egyptian rooms, and the American room have been repainted. The installation of electric fans, to improve the ventilation of the public galleries, has been extended.

Early in the year excavations were carried out by Mr. D. G. Hogarth, for the Trustees, on a site at Asyut in Upper Egypt, granted for the purpose by the Egyptian Government. The result has been the acquisition of a large collection of miscellaneous antiquities, including a fair proportion of early examples. They are described below (pp. 51-53).

Among the more important additions to the several Departments the following may be specially noticed :—

The Department of Printed Books has added upwards of seventy works to its series of English books printed before 1640; and has augmented the great collection of Incunabula, or books printed before the year 1501, by forty-five additional examples. Among the English books is an Indulgence of Pope Sixtus IV. printed by William Caxton in 1481. A collection of broadsides and pamphlets relating to the history of Scotland between the years 1644 and 1700 has also been acquired.

The Department of Manuscripts has made the important purchase of a Latin Psalter, partially glossed in Anglo-Saxon, which was written in the South of England, perhaps at Canterbury, in the latter part of the 10th century; together with a Lexicon Tironianum, containing the collection of Latin shorthand symbols the invention of which is attributed to M. Tullius Tiro, freedman of Cicero, also of the 10th century. To Mr. C. Fairfax Murray the Department is indebted for the gift of autographs of portions of two of William Morris's poems, "Sigurd the Volsung" and "The Earthly Paradise"; and to the Rev. Charles Hargrove for the gift of the original correspondence of the poet Shelley with Elizabeth Hitchener in 1811-12.

O.109.

B

The Department of Oriental Printed Books and Manuscripts has purchased an important series of Coptic MSS. and a very rare Nubian MS., of Biblical and hagiological interest, of the 10th and 11th centuries; and, among Arabic MSS., one of great rarity and age, written in A.D. 1039.

In the Department of Prints and Drawings an acquisition of great interest is a collection of first sketches and studies by Tintoretto, the greater number painted in tempera and oil on paper. The series of Japanese woodcuts has also been augmented by a selection of upwards of three hundred examples acquired by purchase, and by an equal number the gift of Sir Hickman Bacon, and by others presented by Sir Ernest Satow and Mr. W. C. Alexander.

The Department of Egyptian and Assyrian Antiquities has acquired, in addition to the objects from Asyut referred to above, a collection of Egyptian antiquities, many being of the early periods, presented by the Egypt Exploration Fund; and two good collections of Egyptian scarabs. To the Assyrian section have been added the bronze figure of an Elamite king, inscribed, of the period 2,000 B.C.; and an inscribed boundary stone of about 1,100 B.C.

To the Department of Greek and Roman Antiquities have been added a beautiful statue of a woman standing in an attitude of mourning, executed by a Greek sculptor late in the 4th century B.C., and two handsome Roman marble lavers, from the Duke of Sutherland's collections at Trentham Hall. A miniature bust, worked in plasma, of Agrippina the Elder is the gift of an anonymous donor.

The Department of British and Mediæval Antiquities has acquired a remarkable gold hoard, consisting of a number of bracelets of the Bronze Age, used as currency, which was discovered at Bexley in Kent; and a fine specimen of Carolingian carving in whale's bone, originally the cover of a casket. Among the gifts to the Department are: a cordoned bronze bucket, made in North Italy about the 7th century B.C., recently found at Weybridge and presented by Mr. William Dale; a series of silver personal ornaments and ingots, from Kieff in Russia, the gift of Mr. J. Pierpont Morgan; and an ancient Mexican obsidian mask and mirror and a jadeite dagger presented by the Misses Thornton.

Among the Greek coins acquired by the Department of Coins and Medals will be noticed several of great rarity; and some interesting specimens have been added to the Anglo-Saxon and early English collection. A very important series of foreign "sterlings," imitations of the English silver penny, was bequeathed by Mr. Samuel Smith; and some valuable foreign medals were given by Mr. Alfred de Pass and by Mr. Max Rosenheim.

Gifts of Museum publications, including reproductions of prints and drawings by Old Masters, and sets of electrotypes of British Historical Medals, have been made to Free

Libraries, Local Museums, and Art Schools throughout the United Kingdom, and to institutions in various Colonies.

The following are the publications issued by the Departments at Bloomsbury during the year:—

The Sculptures and Inscription of Darius the Great on the Rock of Behistûn in Persia. 1907. 8vo., 1*l*.

Catalogue of Finger Rings, Greek, Etruscan and Roman, in the British Museum. By F. H. Marshall, M.A. 1907. 4to., 23*s*.

Catalogue of Greek Papyri in the British Museum; with Texts. Vol. III. 1907. 4to., 2*l*. 10*s*.

Autotype Facsimiles of Greek Papyri in the British Museum. Vol. III. 1907. Fol., Portfolio, 3*l*. 3*s*.

Catalogue of Additions to the Manuscripts in the British Museum in the years 1900-1905. 1907. 8vo., 1*l*. 10*s*.

Reproductions from Illuminated Manuscripts. Series I. 50 collotype plates. 1907. 4to., 5*s*. Series II. 50 collotype plates. 1907. 4to., 5*s*.

Catalogue of the Pamphlets, Books, Newspapers, and Manuscripts relating to the Civil War, the Commonwealth, and Restoration, collected by George Thomason, 1640-1661. 2 vols. 1908. 8vo., 1*l*. 10*s*.

Medallic Illustrations of the History of Great Britain and Ireland. Part VI. Plates LI.-LX. Part VII. Plates LXI.-LXX. 1907. Folio, 6*s*. each part.

Catalogue of Drawings by British Artists and Artists of foreign origin working in Great Britain. Vol. IV., S-Z. By L. Binyon. 1907. 8vo., 14*s*.

Reproductions of Prints. Third Series. Part I. (Specimens of Etching by German Masters, 1475-1575). 25 plates. 1907. 2*l*.

A Guide to the Exhibition Galleries of the British Museum (Bloomsbury). Seventh edition, revised. With plans. 1907. 8vo., 2*d*.

A Guide to the Mediæval Room and to the Specimens of Mediæval and Later Times in the Gold Ornament Room. With 14 plates and 194 illustrations. 1907. 8vo., 1*s*. 6*d*.

British Museum,  
31 March, 1908.

*E. Maunde Thompson,*  
Director and Principal Librarian.

IX.—PROGRESS made in the ARRANGEMENT AND DESCRIPTION OF THE COLLECTIONS, AND ACCOUNT OF OBJECTS ADDED TO THEM in the Year 1907 (Bloomsbury).

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DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement*.—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume.

The total number of these press-marks amounts to 63,952; in addition to which 109,054 press-marks have been altered in consequence of changes and re-arrangements carried out in the Library; 25,419 labels have been affixed to books and volumes of newspapers, and 130,965 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued, and is now completed; 45,747 books have been thus marked during the year, and alterations to correspond, amounting to 192,188, have been carried out in the General and Hand Catalogues; 3,047 index-slips have been written for London Newspapers.

The number of stamps impressed upon the articles received has been 420,123.

3,710 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues*.—*Cataloguing*.—46,311 titles have been written (the term "title" applying equally to a main-title and to a cross-reference) for the General Catalogue and for the Catalogues of Maps and Music.

*Printing*.—30,883 titles and 512 index-slips for the General Catalogue, 2,145 for the Map Catalogue, and 15,507 for the Music Catalogue have been prepared for printing during the year; and 31,198 titles and 885 index-slips for the General Catalogue, and 2,145 for the Map Catalogue have been printed.

*Incorporation*.—*General Catalogue*.—30,698 title-slips and 870 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered

it necessary, in order to maintain as far as possible the alphabetical arrangement, to remove and re-insert 37,979 title-slips and 399 index-slips in each copy and to add to each copy 812 new leaves.

The system of fortnightly incorporation of accessions to the Library has been carried out with perfect regularity during the past year.

*Hand Catalogues.*—The number of new entries made in the Hand Catalogue of “Academies” was 283; in that of “Periodical Publications,” 355; in that of Maps and Charts, 415; in that of Music, 1,994; in that of London Newspapers, 3,047; and in that of Directories, 692.

*Map Catalogue.*—3,123 titles have been written for the Map Catalogue, and 2,914 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert 5,916 title-slips in each copy and to add to each copy 283 new leaves.

*Music Catalogue.*—12,221 titles have been written for the Music Catalogue, and 3,754 title-slips have been incorporated into each of the two copies of it. This incorporation has rendered it necessary to remove and re-insert 7,320 title-slips in each copy of it and to add to each copy 111 new leaves.

*Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cards, are arranged in order of press-marks, 38,400 have been so mounted and 101,000 have been incorporated in their proper order.

*Catalogues of Books of Reference in the Reading Room.*—During the year the Books in the Reference Library have been rearranged, and many alterations and additions have been made in the collection. A Catalogue of the books on the ground-floor and in the two galleries of the Reading Room is now in preparation.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year was 13,635, including 4,399 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned was 10,820; in addition to which 122 volumes have been repaired in the binders' shops.

Besides this, the following binding work has been done in the Library itself:—7,663 volumes have been repaired; 343 broadsides, &c., have been inserted in guard-books, and 4,136 volumes of reports, parts of periodicals, &c., have been bound in a light style of binding.

The following maps, charts, &c., have also been bound or mounted during the year:—77 atlases and 52 volumes of the 25-inch Ordnance Survey have been bound; 214 sheets of the 1-inch Ordnance Survey have been mounted on linen, and 299 Ordnance Survey Indexes on cards; in addition,

299 maps have been mounted on linen, and 135 on cards, and 2 portfolios, 2 cases, and 34 boxes have been made to contain maps.

33,807 numbers of Colonial Newspapers have been folded into 661 parcels, and 647 such parcels have been tied up and labelled preparatory to being bound.

Two volumes of the Blue Copy of the General Catalogue, and 12 volumes of the Red Copy have been broken up and rebound in 26 new volumes. Also, 137 columns have been re-laid in each of the three interleaved copies of the General Catalogue—a process rendered necessary by the accumulation of titles under certain headings.

IV. *Reading Room Service.*—The Reading Room was closed from the 15th April to the 31st October for renovation. During this period a room in the North Library was fitted up and used as a temporary Reading Room.

The number of volumes replaced in the General Library after use in the Reading Room was 497,880; in the King's Library, 17,844; in the Grenville Library, 1,611; in the Map Room, 2,359; in the presses in which books are kept from day to day for the use of readers, 413,399; and in the Oriental Department, 405; making a total amount of 934,998 volumes supplied to readers during the year, exclusive of those to which the readers have personal access on the shelves of the Reading Room.

During the year the Reading Room was open for 139 days, and the temporary Reading Room, which contained accommodation for about 150 persons, for 172 days. The total number of readers during the year was 137,682, giving an average of over 442 daily; the average number of volumes supplied to each reader amounts to seven.

*Newspaper Room.*—The number of readers during the year has been 20,098, giving a daily average of over 65, the room having been open on 305 days. The number of volumes replaced after use was 52,960, giving a daily average of 173 and of over two volumes to each reader, not reckoning volumes, chiefly Parliamentary Papers, taken from the shelves of the Newspaper Room by the readers themselves. In addition to the above, 1,300 newspapers have been brought to the Library from the Newspaper Repository at Hendon for the use of readers.

*Map Room.*—281 visitors have made use of the Map Room for the purpose of special geographical research.

*Photography.*—There have been 343 applications for leave to photograph from books in the Library, and 742 volumes have been supplied to the applicants for this purpose.

V. *Accessions.*—(a) 30,499 Volumes and Pamphlets (including 277 atlases, &c., and 2,640 books of music) have been added to the Library in the course of the year. Of these, 7,535 were presented; 16,176 received under the provisions

of the Copyright Act; 458 by Colonial Copyright; 675 by International Exchange; and 5,655 acquired by purchase.

(b) 69,425 Parts of Volumes (or separate numbers of magazines and other serial publications and of works in progress) have also been added to the Library. Of these, 2,446 were presented; 44,695 received under the provisions of the Copyright Act; 547 by Colonial Copyright; 658 by International Exchange; and 21,079 acquired by purchase.

(c) 1,944 Maps in 8,402 sheets have been added to the collection in the course of the year. Of these, 702 maps in 1,133 sheets were presented; 841 maps in 6,459 sheets were received under the provisions of the Copyright Act; 199 maps in 200 sheets, by Colonial Copyright; and 202 maps in 610 sheets were acquired by purchase.

(d) 10,111 Musical Publications have been added to the collection. Of these, 9,617 were received under the provisions of the Copyright Act; 341 by Colonial Copyright; and 153 were acquired by purchase.

(e) The number of Newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the year, has been 3,442, comprising 233,377 single numbers. 1,208 of these newspapers were published in London and its suburbs; 1,711 in other parts of England and Wales and in the Channel Islands; 277 in Scotland; and 246 in Ireland. 14 sets, containing 4,414 numbers, were received by Colonial Copyright; 273 sets, containing 38,703 numbers of Colonial and foreign newspapers, have been presented; and 74 sets, containing 12 volumes and 12,744 numbers of current colonial and foreign newspapers, have been purchased.

(f) 4,136 articles not included in the foregoing paragraphs have been received in the Department. These consist of Single Sheets, Parliamentary Papers, and other miscellaneous items.

The total number of articles enumerated above, as having been received in the Department during the present year, exclusive of newspapers, is 116,115.

*Acquisitions of Special Interest.*—Seventy-one English books printed before the year 1640, and forty-five Incunabula, one of which is from the press of William Caxton at Westminster, have been added to the Library during the year 1907.

Among the English books, the most interesting are:—

An Indulgence granted on the authority of Pope Sixtus IV. by Johannes de Gigliis in order to obtain money for the defence of Rhodes. Printed by William Caxton at Westminster in 1481. One of the two copies known to exist of the "singular" issue of this Indulgence, *i.e.*, that drawn up for the use of one contributor only.

Statutes of the twenty-second year of King Henry VIII. Thomas Powell, London, 1531.

Erasmus : "Paraphrase upon ye Epistle of S. Paule unto Titus." John Byddell, London, about 1535.

"The Decree for Tythes to be payed in London." Thomas Berthelet, London, 1546.

Bush, Paul, First Bishop of Bristol : "A brefe Exhortation set fourthe to one Margarete Burges wyfe to Jhon Burges, clotheare of Kyngeswode, in the Countie of Wilshere." John Cawood, London, 1556.

Wermueller, Otto : "A Spirituall Pearle. Translated into English by Miles Coverdale." W. Leake, London, 1560.

Bale, John : "A new Comedy or Enterlude concernyng the lawes of Nature, Moises and Christe." Thomas Colwell, London, 1562.

Mascall, Leonard : "The first booke of Cattell." John Wolfe, London, 1587.

Sidney, Sir Philip : "The Defence of Poesie." Printed for William Ponsonby, London, 1595. Two editions of this work were printed in the year 1597. One, already in the British Museum, under the title of "An Apologie for Poetrie," printed without authority by Henry Olney ; and the present authorized edition published by William Ponsonby, of which only one other copy is known.

"A moste pythie Epistle to anymate all trew Christians. Translated out off ffrench by Robert Pownall." Geneva, 1596.

"A verie perfect Discourse and Order how to know the age of a Horse. By L. W. C." Thomas Pavier, London, 1601. The only known copy.

"Christes Bloodie Sweat. By J. F.," 1616. Attributed to Joseph Fletcher, Rector of Wilby, Suffolk.

A collection of broadsides, single-sheets, and folio pamphlets, consisting of proclamations, legal documents, trials and political tracts relating to the history of Scotland between the years 1644 and 1700.

The Italian original and a French translation of a book by the Abbé Prime, writing under the assumed name of "Il Conte San Maiolo," entitled "Historia della Guerra d'Olanda." Paris, 1682. This book, which contains an account of the secret articles of the Treaty of Dover, May, 1670, was suppressed at the instance of Viscount Preston, the English Ambassador to France.

*Incunabula*.—Two interesting Incunabula which have been presented to the Library are described below among the



*Donations.* Of those purchased during the course of the year, the following deserve special mention:—

Antoninus, Archbishop of Florence: "Summa Confessionum." Printed by Antonius Zarotus at Milan, 1472.

"Leben der Heiligen." Printed by Günther Zainer at Augsburg, 1472. With numerous woodcuts.

Rufus, Sextus: "De rebus gestis Populi Romani" and "De aedificatione Venetiarum." Printed by Florenz of Strassburg at Venice, about 1472.

Thomas Aquinas: "De Corpore Christi." Printed by the anonymous printer known as the printer of "Augustinus de Fide," at Cologne, 1473.

Thomas Aquinas: "Quaestiones de Malo." Printed by Arnold ter Hoernen, the second printer at Cologne, about 1473.

Eusebius Pamphili: "De evangelica praeparatione." Printed by Ulrich Zell at Cologne, about 1474.

Bernard, Saint: "De Consideratione." Printed by Nicolas Ketelaer and Gerhard Leempt at Utrecht, about 1474.

Bernard, Saint: "Speculum de honestate vitae." Printed by Martin Flach at Basel, about 1475.

Barbatia, Andreas: "Repetitio solemnibus rubricae de fide instrumentorum." Printed by Martin Huss, Toulouse, 20 June, 1476. Toulouse was the third city in France into which printing was introduced. The first books printed at Paris and at Lyons are already in the Library. The present is the first book printed at Toulouse.

Gratianus: "Concordantiae Canonum." Printed by Ulrich Han at Rome, 1478.

A Psalter, printed by Aloisius Siliprandus at Venice, 1478. Two books only printed by Siliprandus have been hitherto known, one of which was printed at Venice in 1477, the other at Mantua in 1480.

"Pharetra, auctoritates et dicta doctorum et poetarum continens." Printed by Conrad Winters at Cologne, about 1480.

Strabo: "Geographia." Printed by Joannes Rubeus at Treviso, 1480.

Nicolaus de Auximo: "Supplementum." Printed by Jacobinus Suigus at Vercelli, 27 October, 1485. There are already in the Library two works of this travelling printer, one produced at San Germano in 1485, the other at Chivasso in 1486.

Pico della Mirandola, Giovanni: "Apologia." Printed by Matthias Morauus at Naples, 1487.

"Summa Radium." Printed by Johann Otmar at Reutlingen, 1487. A theological and liturgical encyclopædia for unlettered priests.

Lull, Raymond: "Janua Artis." Printed by Pedro Posa at Barcelona, 1488.

Molitor, Ulrich: "De lamiis et phitonicis Mulieribus Tractatus." Printed by Johann Prüss at Strassburg, 1489. With seven interesting woodcuts.

Petrarch: "Opera Latina." Printed by Simon Beuilaqua at Venice, 1493.

Guido, de Monte Rocherii: "Manipulus Curatorum." Printed by Jacques Le Forestier at Rouen, 1497. In a fine contemporary binding.

"Livre d'heures à l'usage d'Arras." Printed by Philippe Pigouchet at Paris, 1499. The only known copy.

*Bindings.*—Several books in sumptuous or interesting bindings have been added to the Library during the year. Among these are:—

Cudworth, Ralph: "The True Intellectual System of the Universe," London, 1648. Bound by Samuel Mearne in red morocco with gold tooling.

Three books bound in black morocco with blind tooling; a description of binding used in England during the later years of the seventeenth and early years of the eighteenth centuries. All three are fine specimens of this curious form of binding.

Fortescue, Sir John: "Difference between an absolute and limited Monarchy." London, 1724. In a fine contemporary English binding in black morocco with gold tooling.

"Book of Common Prayer," Dublin, 1750, folio. A fine specimen of Irish bookbinding of the eighteenth century.

*Donations.*—Among the many valuable donations which have enriched the Library during the year 1907 are the following:—

Le Grand, Jacques: "Sophologium." Printed at Strassburg about 1477, by the anonymous printer (probably Adolf Rusch) known as the "R printer" from his use of a peculiar form of the letter R. *Presented by George Dunn, Esq.*

The last ten leaves of the "Historia Baetica" of Carolus Verardus. Printed by Euchavius Silber at Rome, 1493, completing the copy of the work in the Library. The last leaf consists of the music of a four-part song printed from blocks, probably the earliest example of mensurable music printed at Rome. *Presented by A. H. Littleton, Esq.*

The original copper-plate of the form of Commission issued to the Customs Officers in Boston, Massachusetts, in or about the year 1773, together with three impressions of the plate. *Presented by H.M. Board of Customs.*

Twenty-eight editions of separate works by Lord Tennyson, including a copy of "The Falcon" printed for the author, 1879; eleven editions of "In Memoriam" published between the years 1855 and 1867; seven editions of "The Princess" published between 1854 and 1867; and eight editions of "Maud" published between 1861 and 1874. *Presented by T. J. Wise, Esq.*

"Catalogue of the Rodolphe Kann Collection." 4 vols. Paris, 1907. *Presented by Messrs. Duveen Brothers.*

A collection of Newspapers published in the British Colonies during the year 1906, in continuation of the series previously presented. *Presented by the Royal Colonial Institute.*

Files of the "Gloucester Journal," between the years 1777 and 1826. *Presented by the Committee of the Gloucester Public Library.*

A collection of 1,377 pieces of sheet music, chiefly of the eighteenth and early nineteenth centuries. *Presented by the Royal College of Music.*

*Maps.*—The following are among the most important additions to the collection of Maps during the year 1907:—

Ortelius, Abraham: "Additamentum Theatri Orbis Terrarum." Antwerp, 1579.

The first issue of the second supplement, together with the supplements published at Antwerp in the years 1580, 1584, and 1590.

Ortelius, Abraham: "L'Épitome du Théâtre de l'Univers." Antwerp, 1602.

Ortelius, Abraham: "Theatro del Mondo." Venice, 1697.

A Facsimile in 19 sheets of a map of the World by Jodocus Hondius, originally published in Amsterdam 1611. Edited by E. L. Stevenson and J. Fischer. New York, 1907.

Mercator, Gerardus: An Atlas containing 179 maps engraved by Jodocus Hondius and Petrus Kaerius. Amsterdam, 1632.

Senex, John: "The English Atlas, consisting of thirty-one maps." London, 1714.

*Music.*—In addition to the music presented during the year and described above under *Donations*, the following interesting accessions have been acquired for the Musical Library.

"Certaine notes set forth in foure, and three parts to be song at the Morning Communion. and Evening Praier." (Two parts, Medius and Bassus.) John Day, London, 1560.

"Mornyng and Evenyng Prayer and Communion." (Two parts, Contra-Tenor and Tenor.) John Day, London, 1565.

These four parts form a complete copy of this work, which was designed to supply polyphonic settings of the Book of Common Prayer, with a few anthems. The composers were Thomas Tallis, Thomas Causton and several others. Only two other copies of either edition are known, one at Westminster Abbey, the other in the Bodleian Library.

Zange, Nicolas: "Kurtzweilige Neue Teutsche Lieder." 4 Pts. Cologne, 1603. Wanting the title-page and pages 1-4 of the first part. Only one perfect copy of this book, which contains a musical setting of the street cries of Cologne, is known to exist.

Bach, Johann Sebastian: "Sechs Chorale für Orgel," published between the years 1747 and 1749.

Only three other copies of this work are known.

*G. K. Fortescue.*

## DEPARTMENT OF MANUSCRIPTS.

1. *Catalogue of Additions*.—The printed Catalogue of the MSS. acquired in 1900–1905 has been published.

The descriptions of MSS. acquired in 1906 have been printed, and have been incorporated in the Class Catalogue kept in the Students' Room.

All the MSS. acquired in 1907, viz. Additional 37426–37628 and Egerton 2866–2873, have been described and indexed, with the exception of the Romilly Allen archæological collections, the arrangement of which is not yet complete. The descriptions have been revised and are ready for press.

2. *Catalogue of Papyri*.—Vol. III., with an atlas of 100 plates, has been published. Vol. IV., which will contain Greek papyri of the eighth century, is in an advanced state of preparation. Several papyri have also been transcribed for Vol. V.

3. *Catalogue of the Royal MSS*.—One hundred and forty-eight MSS. in the Royal collection have been described for the new detailed Catalogue.

4. *Catalogue of Music*.—Vol. II. (Secular Vocal Music) has been printed off, and is ready for issue.

5. *Catalogue of Romances*.—Progress has been made in the preparation of Vol. III., descriptions of thirty-two MSS. having been finally revised for press.

6. *Catalogue of Charters*.—Additional Charters 46918–47379, 48171–49841, 52392–53091 (acquired in 1903), 53195–53708 (acquired in 1904), and 53709–53827 (acquired in 1905) have been described and indexed.

The revision of the index-slips of topographical entries from Charters acquired in 1882–1900 for Vol. II. of the General Index of Charters has been continued, letters A–M being now ready for press.

7. *Binding*.—One hundred and seventy Additional MSS. and six Egerton MSS. newly acquired, and seventy-six MSS. of the old collections, have been bound or repaired, together with 150 Books of Reference and Catalogues.

One hundred and forty-seven Papyri have been bound and glazed.

8. *Verification*.—The entire collection of MSS. has been verified by comparison with the Shelf-Lists, and a large portion of the Additional Charters has also been verified.

9. *Reproductions*.—Series I. and II. of Reproductions from Illuminated MSS. have been prepared and issued.

10. *Stamping, folioing, and placing*.—One hundred and ninety-eight Additional MSS., six Egerton MSS., six hundred and seventy Charters and Rolls, and two hundred and thirty-two Books of Reference have been stamped, with a total of 24521 impressions; 1450 numbers have also been impressed upon rubbings.

One hundred and nineteen MSS. have been folio'd, with a total of 30323 folios. 31469 Index-slips, etc., have also been numbered.

One hundred and ninety-nine Additional MSS. have been placed, press-marked, and entered in the Hand- and Shelf-Lists. One hundred and eighteen Charters and Rolls and thirty-four Seals and Casts of Seals have been placed, and entered in the Inventories. Numbers have been written on 1409 Charters.

A new second volume of the Hand-List of Additional MSS., a new Hand-List to the Cotton Charters, and a new Shelf-List of Exhibited MSS., have been completed. Others are in progress.

11. *Books of Reference*.—Two hundred and thirty-one volumes and parts have been received, catalogued, and placed. Progress has been made with the preparation of a new catalogue.

12. *Consultation of MSS.*—33647 MSS. and 6131 Charters and Seals have been consulted in the Students' Room, and ninety MSS. in the large Reading Room. The number of Students has been 11854.

Magna Charta was exhibited to 9409 visitors.

13. *MSS. photographed*.—Eight hundred and fifty MSS. (including Charters and Seals) were allowed to be photographed, with a total of 6863 photographs taken.

14. *Acquisitions*.—The number of Manuscripts and Documents, etc., acquired during the year has been:—

Additional MSS.	-	-	-	-	-	-	203
Egerton MSS.	-	-	-	-	-	-	8
Charters and Rolls	-	-	-	-	-	-	144
Detached Seals and Casts	-	-	-	-	-	-	33
Papyri	-	-	-	-	-	-	67

The most important of the acquisitions by gift during the year are of literary interest. A volume of correspondence of Shelley with Miss Elizabeth Hitchener, June, 1811–June, 1812, including 44 letters of the poet, five of which contain verses, was presented by the Rev. Charles Hargrove, of Leeds. It was bequeathed to him by Mrs. Charlotte M. Slack, with the request that it should ultimately pass to the British Museum on his death.

Another valuable Shelley autograph, his poem "To Jane —The Recollection," dated 2 February, 1822, was presented by Lieut.-Colonel C. F. Call and Mrs. Call. The latter inherited it from her father E. J. Trelawny, to whom it was given by "Jane" (Mrs. Williams).

Mr. C. Fairfax Murray presented the autograph first draft of a considerable part of "Sigurd the Volsung," by William Morris, with the laudable intention that it might be preserved with the autograph fair copy, which was acquired by purchase earlier in the year; and to this he added the autograph of the dedication, prologue, and other portions of "The Earthly Paradise." Morris is therefore now represented in the Museum by MSS. of his two finest poems. An interesting letter of Keats to B. W. Haydon, referring to "Endymion" and "Hyperion," was also received from the same generous donor, to accompany the autograph of "Hyperion," purchased in 1904.

The acquisitions by purchase include a long Greek papyrus roll from Antinoöpolis, containing the record of a disputed inheritance dated in A.D. 612, with a marriage contract on the back relating to the same place. An interesting group of over thirty Greek papyri, for the most part in exceptionally good condition, has also been acquired from Syene (Assouan). They include contracts and legal documents of various kinds between A.D. 549 and 613, most of the parties concerned being soldiers of corps stationed at or near Syene. Another purchase of exceptional interest is a large Latin Psalter, Hymnary, etc., with a partial Anglo-Saxon gloss, written in the South of England (possibly at Canterbury) in the latter part of the 10th century, and decorated with fine ornamental initials. It belonged successively to Archbishop Cranmer, Henry FitzAlan, Earl of Arundel, and John, Lord Lumley, and was perhaps at one time in the Royal Library, in which Lord Lumley's collection was absorbed after his death in 1609.

Among other acquisitions, by purchase, donation, or bequest are the following :—

Wooden book, composed of eight tablets fastened together by silk cords; with writing in Greek of a grammatical character, of the 3rd cent., on seven of the pages. Found in Egypt, and no doubt intended for school use.

Wooden tablet, whitened and ruled with lines, inscribed with Greek grammatical exercises for school use in Egypt; 3rd cent.

Life and miracles of St. Cosmas and Damian, in Greek; 10th-11th cent. A hitherto unknown recension.

The Four Gospels, in Greek, written by the scribe Xenophon; early 13th cent. Two volumes.

Lexicon Tironianum: a collection of the Latin shorthand symbols originally invented by M. Tullius Tiro, freedman of

Cicero; 10th cent. With two flyleaves in uncial characters of the 8th cent. containing fragments of a Sacramentary and of the Gospels of SS. Mark, Luke and John.

Bible, in Latin, with illuminated initials, from St. Martin's Priory, Dover; 13th cent.

Bible, in Latin, written in Italy in a minute hand, with beautifully executed coloured initials; 13th cent.

Missal, in Latin, of Sarum use, with small miniature initials; 14th cent.

Breviary, in Latin, of York or some allied use; late 14th cent.

The *Poetria Novella* of Geoffrey de Vinsauf, a copy written in Italy, with Italian glosses, in 1382.

Romances and religious poems in English, including "King Charles," "Otinel," "The Hermit and Outlaw," "The Fendys Parlement," etc.; 15th cent.

Travels of Sir John Mandeville, in the vulgate Latin version; followed by a narrative of the visit of an Hungarian noble to St. Patrick's Purgatory in Ireland in 1353, etc. Written by Johann Swanfelder, a Carmelite, in 1457.

Illuminated miniatures, mostly within initials, cut from manuscripts, comprising twelve of scenes from the Life of Christ on a single leaf from an English MS., 12th cent., four from Italian MSS., 15th cent., and seven from French MSS., late 15th cent.

Two small miniatures from an Italian MS. of Gratian's *Decretum*; 14th cent.

Book of emblems or drawings illustrative of proverbs, etc., accompanied by verses in French; early 16th cent.

Book of accompts of W. de Ayremyn, comptroller, of the expenses of the war with France, 1 Dec. 1372-31 Jan. 1374, especially in connection with the abortive expedition of John of Gaunt, Duke of Lancaster.

Treatise on heraldry, by J. de Vado Aureo, *al. Bado Aureo*, in Latin; 15th cent. With the Order of proceeding to Parliament, 12 Jan. 1563, etc., in the hand of R. Glover, Somerset Herald.

Year-book of law-cases, 10-21 Edw. IV. [1470-1482], in Law-French; written by Robert Chaloner, early 16th cent. *Presented by Evan Hare, Esq.*

Precedents of counts and pleadings, chiefly *tempp.* Hen. VI-Hen. VII., in Latin, arranged under heads; originally written about 1493, but continued in various hands to 1520.

Register of instructions, letters, etc., of the Government of Ireland; 1582-1608.



Minute-book of the Parliamentary Committee for Essex, chiefly relating to sequestrations and assessments; 1643-1654.

Summary of the London weekly Bills of Mortality during the Great Plague, 25 Apr.-12 Dec. 1665, drawn up at the time by Col. Jeremy Baynes.

Letter-book of Sir W. Dutton Colt, Envoy to Hanover and Zell; Jan., 1691-May, 1692.

Register of letters from the Lords Justices of Ireland to the Earl of Rochester, Lord Lieutenant, when he was in England; Apr.-Aug., 1702.

Letter-books of Richard Hill, Envoy to Turin; 1703-1706. Two volumes.

Letter of Lord Ellenborough, Lord Chief Justice, to the Home Secretary, on the conviction of Col. Despard and his fellow-conspirators; 1803.

Letter of William Pitt, without address, explaining his political views and asking for support to defeat Addington's ministry; 11 Apr. 1804.

Letter of the Earl of Eldon, Lord Chancellor, on the debate in the House of Lords on Roman Catholic disabilities; 1821.

Autograph draft of the speech of B. Disraeli in the House of Commons, 15 Nov. 1852, on the death of the Duke of Wellington; with letters from the same to his sister and others, 1828-1852.

Elegy on Sir Edward Coke, with an introductory ode to his daughter Mrs. Anne Sadleir and an acrostic epitaph, in the autograph of Robert Codrington, M.A.; 1634. In the original binding, with emblematic tooling.

Two letters from John Dryden to Jacob Tonson, the bookseller, 1684, 1697; and a letter from Alexander Pope to the same, 1731.

Autograph "Journal" of Edward Gibbon, the historian, begun 24 Aug. 1761, and containing particulars of events in his life from his birth, 8 May 1737, to 4 Aug. 1761. Part I. of a series, four of which, ending in Dec. 1764, were acquired in 1895.

Autograph poem, "Summer Morning," by John Clare, the "Peasant Poet," printed in 1821. *Presented by Mr. Charles Dak.*

Four letters from Lord Byron to E. D. Clarke, the traveller, on "Childe Harold," "The Bride of Abydos," etc.; 1812, 1813.

Autograph MSS. of Tennyson's "Experiments in Quantity," printed in *Enoch Arden*, etc.; 1864.

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Letter of Edward Fitzgerald, the poet, to Capt. "Posh" (Joseph Fletcher); 1869.

Twenty-one letters of Voltaire to Pastor Allamand, of Bex and Corsier, Switzerland, with drafts of letters of Allamand; 1755-1772.

Correspondence of John Alexander, Bishop of Dunkeld, on the state of the Scottish church, etc.; 1727-1771. With a statement by W. Cliff as to the destruction by Sir E. Home of John Hunter's MSS. in 1823, etc. *Presented by C. Davies Sherborn, Esq.*

Letter-book of Samuel Bentham, the naval architect, and Jeremy Bentham, the philosopher, his brother; 1784-1789. *Presented by Sir J. D. Hooker, O.M., K.C.S.I.*

Genealogical collections for the family of Emerson, by Dr. Peter H. Emerson. *Presented by Dr. P. H. Emerson.*

Letters (2) of John Flaxman to W. Hayley, with reference to sculptures which he had in hand; 1802, 1803.

Letters of Richard Garnett, late Keeper of Printed Books, British Museum, to his brother J. W. Garnett, on literary and other subjects; 1851-1864.

Descent of F. Gawdy and Lettice Knollys his wife, with coloured shields of arms; 1611.

Pedigrees of Hardwicke of Southfield Grange, co. York, to 1906, by Herbert Junius Hardwicke, M.D. *Presented by the compiler.*

"Time-Book" of Charles Turner, A.R.A., the engraver, with notes of his works, accounts, etc.; 1798-1804.

Journals, correspondence and papers of Joseph Hékékyan Bey, an Armenian in the Egyptian service, 1829-1874, and engaged in archæological excavations, etc. Twenty-four volumes. *Presented by Tito Hékékyan Pasha.*

Ecclesiological collections of J. T. Micklethwaite (d. 1906), architect to Westminster Abbey, etc. Six volumes. *Presented by Somers Clarke, Esq., F.S.A.*

Archæological collections of the late J. Romilly Allen, chiefly relating to ancient sculptured monuments and Celtic ornamentation. Ninety volumes and boxes.

Pipe-roll discharge to R. Duke, Sheriff of Devon; 1679. Vellum roll.

Rubbings of church-bell inscriptions in Dorsetshire: 135 rolls. *Presented by H. B. Walters, Esq.*

Plans of lands of Sir J. Bateman in Aymestrey, co. Hereford, 1708; and of R. Chaplin in Livers Ocle, co. Hereford, 1705. With coloured shields of arms. Vellum rolls.

Rubbings of church-bell inscriptions in Huntingdonshire, by the Rev. T. M. N. Owen : 68 rolls.

Court-book of the Manor of Keadby, in Althorpe, co. Lincoln ; 1684-1723.

Valuation of East Bedfont, co. Middlesex, by T. Denton, with lists of land-owners and tenants, 1815. *Presented by C. Davies Sherborn, Esq.*

Collections on the language of Northumbria, by Canon James Raine ; *circ.* 1855-1895.

Terrier of estates of Sir W. Jerningham, Bart., in Shropshire and Staffordshire, with finely executed plans and sketches, by J. Sherriff ; 1788. A large folio volume, on vellum.

Collections relating to church-bells, chiefly in Suffolk and Cambridgeshire, by J. J. Raven, D.D., vicar of Fressingfield. Twelve vols. and 148 rubbings.

Papers relating to manors and lands in Warwickshire, Middlesex, and elsewhere, chiefly belonging to the family of Newdigate ; 16th-19th cents. Nine volumes. *Presented by the Rev. J. Harvey Bloom.*

Rubbings of church-bell inscriptions in Warwickshire and Worcestershire : 20 rolls. *Presented by the same.*

Chartulary of the priory of Maiden Bradley, co. Wilts, chiefly relating to lands in Kidderminster ; 14th cent., with additions to 1492.

Register of the Quakers in Scarborough, Whitby and Stainton Dale, co. York ; 1661-1825. A transcript by Bernard P. Scattergood, of Leeds, 1903. *Presented by B. P. Scattergood, Esq.*

Original plans by Robert Mylne, Royal Master-Mason in Scotland, for the rebuilding of Holyrood Palace, Edinburgh, in 1671. Two volumes.

Journal of Captain Cook's third and last Voyage to the South Seas, kept by Thomas Edgar, master of the "Discovery" ; 1 Aug., 1776-6 June, 1778.

Collection of songs, etc., by Arne, Boyce, Handel, Pepusch, H. Carey and others, chiefly written for Marylebone, Ranelagh and Vauxhall Gardens ; 18th cent.

Scenes from operas by J. B. Lully, A. Campra, and other composers ; *circ.* 1719.

"Observations on Chanting, explanatory of a new system," in the autograph of Robert Lucas Pearsall ; 1851.

*George F. Warner.*

DEPARTMENT OF ORIENTAL PRINTED BOOKS AND  
MANUSCRIPTS.

*Cataloguing and Arrangement.*—The number of the sheets of the various Oriental Catalogues sent to press in 1907 are:—Arabic Books, 2 sheets; Hebrew MSS., 9 sheets; Hindustani Accessions, 18 sheets; Marathi Accessions, 4 sheets; Sanskrit Accessions, 13½ sheets.

The numbers of Titles written for the various Catalogues are:—Annamite, 2; Arabic, 38; Assamese, 26; Assyrian, 1; Baluchi, 2; Bengali, 124; Burmese, 302; Canarese, 38; Chinese, 579; Coptic, 15; Ethiopic, 9; Garo, 2; Gujarati, 121; Hebrew, 52; Hindi, 289; Hindustani, 538; Japanese, 75; Kachari, 6; Kashmiri, 6; Kol, 6; Kurukh, 1; Lushai, 15; Malayalam, 16; Mandaitic, 4; Marathi, 177; Mikir, 12; Mundari, 12; Naga, 36; Oraon, 6; Oriya, 23; Pali, 76; Panjabi, 100; Pahlavi, 1; Persian, 1,321; Prakrit, 3; Pushtu, 37; Sanskrit, 434; Santali, 6; Sindhi, 39; Syriac, 26; Tamil, 664; Tamil in Arabic character, 5; Telugu, 175; Turkish, 57; Zend, 19.

Thirty-nine Arabic MSS. and 55 Hebrew MSS. have been fully catalogued, and shorter descriptions have been prepared of 20 Chinese MSS.

Short descriptions of seventy MSS. acquired have been entered in the Descriptive List, the Register, and the Classed Inventory.

Twenty-nine MSS. (ff. 2,572) have been folio'd.

*Binding.*—The numbers of Printed Books and MSS. sent to the Binders are:—Arabic, Syriac, and Armenian Books, 128; Chinese and Japanese Books, 70; Hebrew Books, 65; Persian and Turkish Books, 109; Sanskrit and other Indian Books, 226; MSS., 113; Pamphlets, 58.

*Students.*—The number of Students working in the Students' Room attached to the Department during the year is 3,286. The number of Oriental Printed Books consulted in the Department is 7,206, and of those used in the Reading Room 405. The number of Oriental MSS. consulted in the Students' Room is 4,360.

*Photography.*—Eighty-nine applications have been made to photograph from Books and MSS.

*Additions.*—The number of works added to the Department during the year is 1,678, of which 1,608 are Printed Books and 70 are MSS. Of the Printed Books, 84 were bought; 1,349 were received under the India Copyright Act; 54 were received under the Colonial Copyright Act; and 121 were presented.

## DEPARTMENT OF ORIENTAL PRINTED BOOKS AND MSS. 37

The MSS. are :—

Arabic - - - - -	6
Armenian - - - - -	1
Burmese - - - - -	2
Chinese - - - - -	3
Coptic - - - - -	19
Hebrew - - - - -	2
Korean - - - - -	1 (in 112 parts).
Laos - - - - -	1
Manchu - - - - -	3
Nubian - - - - -	1
Persian - - - - -	1
Pushtu - - - - -	1
Sanskrit - - - - -	27
Prakrit-Sanskrit - - - - -	1
Shan - - - - -	1
	—
	70
	—

The most important acquisitions are :—

*Arabic MSS.*—1. The *Diwāns* of four ancient Arabic poets, namely :—*Tufail ibn 'Auf*, *'Āmir ibn al-Tufail*, *'Abīd ibn al-'Abraṣ*, and *al-Ṭirimmāh ibn Ḥakīm*, each *Diwān* being accompanied by explanatory scholia. Dated A.H. 430 (A.D. 1039); written in Moorish character. The *Diwāns* of these four poets have not hitherto been known to exist, although scattered poems from each of them had been found. 4°.

2. *Tafsīr al-Masā'il wa'l-Ajwibah*, a collection of theological responsa, by *Abu Sa'īd 'Abd al-Wahhāb ibn Muḥammad al-Naisābūrī al-Wā'iḡ*. Dated A.H. 719 (A.D. 1319). No other copy of this work has so far been made known. 12°.

*Burmese MS.*—An Album of panoramic pictures of scenes at the court of the Burmese Kings, XIXth century. Fol.

*Chinese MSS.*—1. Personal Records of the Emperor *T'ai Tsung Wên*, founder of the present Manchu-Tartar dynasty. Vols. 1 and 2 (out of 4), covering the period between 1592 and 1636. In yellow silk case. Fol.

2. Edicts of the Emperor *Yung Chêng* (1723-1735), arranged according to subjects. Vols. 31-33; in red silk case. Fol.

3. Official biographies of eminent public servants of the present dynasty. Vol. 25 (written after 1864). Fol.

4. A Korean Encyclopædia written in Chinese. The present copy is a later and much enlarged manuscript edition of the work which was originally printed under royal instructions in 1770. 112 vols. 4°.

*Coptic MSS.*—1. A volume containing (1) the latter part of an encomium on the miracles of the Archangel Gabriel; (2) the encomium of Theophilus of Alexandria on the Virgin Mary. A.D. 979. Vellum. 4°.

2. An encomium on St. Michael by Theodosius of Alexandria, with the lessons for his festival. A.D. 983. Vellum. 4°.

3. A volume containing (1) the Death of John the Evangelist; (2) title-page of Gregory Nazianzenus' replies to Epiphanius of Ararat; (3) Cyril of Alexandria on the Virgin Mary. A.D. 990. Vellum. 4°.

4. A volume containing (1) the Acts of St. Eustathius Placidus; (2) the life of St. Cyrus the anchorite, by Pambo of Scete; (3) the encomium of Flavius of Ephesus upon Demetrius of Alexandria, etc.; (4) the Asceticon of Ephraim Syrus; (5) an Epistle of Ephraim Syrus; (6) the Life of John Calybites. A.D. 1003. Vellum. 4°.

5. A collection of seven Coptic MSS. in the Sahidic dialect, including a copy of the Apocalypse (the only known complete Sahidic MS. of any Book of the New Testament), apocryphal narratives of Christ and the Apostles, and Lives of Saints and Homilies. Late 10th and early 11th centuries.

6. Three papyri of magical incantations, probably belonging to the 6th century.

*Hebrew MSS.*—Two vellum rolls, one containing the Haftārōth, or prophetic lections, for the services of Sabbaths and Festivals, the other containing the portions of the Pentateuch for Sabbath afternoon and week-day services. XVith century. The contents of both are very rarely found in scroll form.

*Japanese Printed Book.*—Sei koku hokkei kwōjō sha shin chō. containing photographs of Palace Buildings in the Forbidden City at Peking. Collotyped from the negatives taken by K. Ogawa. With notes in Japanese, Chinese, and English. 2 vols. Tokyo, 1906. Obl. Fol.

*Manchu MSS.*—1. Reports from Chinese Provincial Governors. Vols. 69-72 (containing nine reports belonging to A.D. 1833 down to 1863). In yellow silk case. Fol.

2. Narrative of the chastisement and pacification of the tribes on the North-Western frontier of China. Vols. 1-3 (containing Emperor's preface, redactor's report, and summary). A.D. 1708. In yellow silk case. Fol.

3. Official history of the present Manchu-Tartar dynasty, intended to be published only after the dynasty shall have ceased to rule. Vol. 41 (for the year 1852). Fol.

DEPARTMENT OF ORIENTAL PRINTED BOOKS AND MSS. 39

*Nubian MS.*—Eighteen vellum leaves, apparently relating to the miracles of St. Menas. Probably 10th century. Only two other Nubian MSS. are known.

*Persian MS.*—Kanārang-nāmah, an historical poem on the wars of Fath 'Alī Shāh of Persia (reigned A.H. 1211–1250), by Muḥammad Ḥusain Khān Malik al-Shu'arā. Dated A.H. 1243 (A.D. 1827). 8°. A contemporary account of the events narrated.

*Pushtu MS.*—The Dīwān, or collected poems, of Mukhlis. XVIIIth century. 8°. Otherwise unknown.

*Sanskrit Printed Book.*—A Vedic Concordance, being an alphabetic index to every line of every stanza of the published Vedic literature and the liturgical formulæ thereof. By Maurice Bloomfield. 1907. Harvard Oriental Series, Vol. 10.

*Sanskrit MSS.*—A number of MSS. written in S'aradā character, on birch-bark (probably XVIth century for the most part), of which the following are the most important :—  
1. A commentary by Narahari on S'riharsha's classical poem Naishadhiya, with text of the poem. Very rare. 4°.

2. A commentary by Bhāskara Mīra on books 7–8 of Mammata's Kāvya-prakāśa, a famous manual on the art of poetry. 8°. Exceedingly rare.

3. A collection (now bound up in 12 volumes) of religious works, including Vedic lectionaries, rituals, hymns, etc. 8°.

4. Nyāyā-sūtra-pada-panīkā, a treatise on logic, by Vāsudeva; of considerable antiquity and great rarity. 8°.

5. Brahma-gupta's Khaṇḍa-khādyā, a treatise on astronomy. 8°.

6. Abhinava-gupta's Īśvara-pratyabhijñā-vivṛiti-vimarśinī, a commentary on Utpala's Pratyabhijñā-sūtra. 8°.

7. The Cārāyaṇīya (Kāṭhaka) Gṛihya-bhāshya, a commentary on a work treating on the rules of domestic ritual. Very rare and important for the study of the Kāṭhaka recension of the Veda.

*L. D. Barnett.*

## DEPARTMENT OF PRINTS AND DRAWINGS.

I.—*Arrangement and Cataloguing, etc.*

All the Japanese woodcuts from the Franks, Hart, Morrison, Satow, Bacon, and Tuke collections severally have been brought together and arranged in a single series, which awaits mounting.

The collection of the works of Stefano Della Bella has been re-arranged in five volumes in accordance with De Vesme's recently published catalogue.

The collection of the works of Francisco Goya has been re-arranged in accordance with Hofmann's catalogue.

The woodcuts by Wolfgang Traut have been brought together and arranged in three portfolios.

The woodcuts by Peter Flötner have been brought together and arranged in a portfolio.

The collection of India proofs of woodcuts by the brothers Dalziel from designs by Sir J. Gilbert, G. J. Pinwell, J. Tenniel and J. D. Watson illustrating Goldsmith's Works, "Pilgrim's Progress," "Robinson Crusoe," Moore's "Lallah Rookh," and Longfellow's Poems have been mounted in five albums.

Forty-nine India proofs of woodcuts by J. Gilks from designs by J. Leech, illustrating the "Comic Latin Grammar," have been mounted in a volume.

New wrappers have been provided for the English historical prints and the works of Bartolozzi, Cipriani, and A. Kauffman.

One hundred and fifty-four drawings and 1,846 prints recently acquired have been incorporated with the collections to which they severally belong.

All books of prints and books of reference recently acquired have been catalogued, labelled, and placed.

A collection of duplicate engravings, in 233 frames, has been lent to the Wolverhampton Municipal Art Gallery and Museum and returned in good order.

The MS. of vol. i. of the catalogue of engraved British Portraits has been completed, and nearly the whole of the volume printed.

The preparation of vol. ii. of the catalogue of Early German and Flemish Woodcuts has been continued, the division dealing with the school of Augsburg has been printed, and that dealing with the schools of Ratisbon, Bavaria, and Austria completed in MS.



Vol. IV. (S-Z) of the catalogue of English Drawings has been completed and published and the preparation of a supplementary volume commenced.

The preparation of a full critical and descriptive catalogue of the collection of Japanese Woodcuts has been commenced.

The preparation of a catalogue of the collection of Early Italian Engravings has been continued and nearly completed in MS.

The etchings by C. Méryon, J. F. Millet and Jongkind, and the lithographs by J. Dupré and H. Daumier have been marked off in the new catalogues by Loys Delteil.

Titles have been written for articles in the "Gazette des Beaux Arts," "Zeitschrift für Bildende Kunst," and other foreign periodicals for the catalogue of books of reference.

An index has been drawn up of names of artists represented in the collection of prints of ornament.

Slips have been written for indexes to prints in the illustrated copies of Byron's "English Bards," etc., and Edwards's "Anecdotes," and for the collection of photographs presented by the National Photographic Record.

The preparation of slips for an index to the Banks collection of shopbills, etc. has been continued.

*Registration.*—5874 items have been entered in the Register of Acquisitions.

*Stamping and Mounting.*—5630 duplicates removed from the Franks collection of foreign bookplates have been stamped as such, and will in due course be returned to the executor.

6903 prints, drawings, etc., recently acquired, have been impressed with the departmental stamp and references to the Register.

The work of preparing, specially repairing and mounting a selection from the Cheylesmore collection of mezzotint portraits has been continued. 1260 "ordinary" mezzotints belonging to the same collection have been fixed in wrappers for their better preservation.

Seventeen drawings by Tintoretto have been repaired and mounted on sunk mounts with special borders.

One hundred and fifty miscellaneous drawings have been prepared and mounted on sunk mounts, and one hundred and seventy-seven German woodcuts have been mounted in the ordinary manner.

*Students.*—The total number of visitors admitted to the Print Room during the year ending 31 December 1907 was 8590, showing an increase on those for 1906 notwithstanding

the fact that the students' room was closed for four weeks for cleaning and painting.

*Photographing.*—Three hundred and forty-nine applications were made for leave to photograph objects in the collection, and 2284 photographs were taken.

## II.—*Additions.*

The total number of prints, drawings, etc. acquired during the year was 4386, of which the following are the most important:—

### ITALIAN SCHOOL.

#### *Drawings.*

Robusti, Jacopo (Tintoretto). A collection of ninety sheets of drawings, acquired and bound in an album about 1680 by Don Gaspar d'Haro e Guzman, Spanish ambassador at Rome and afterwards Viceroy of the Kingdom of Naples. This collection, hitherto unknown to students, is of the highest value and importance, and throws a quite new light on the methods and powers of this great Venetian master. It consists of eighty fine original compositions rapidly drawn, or more strictly painted, on paper, in tempera touched in the high lights with oil, together with four or five copies by pupils or imitators, and ten drawings in the artist's more generally known manner (black chalk or brush outlines); of these last five are on the backs of sheets having painted compositions on their fronts. The compositions are in some cases projects and first ideas for well-known existing pictures by the master (*e.g.* the Miracle of the Slave liberated by St. Mark, in the Venice Academy; the Miracle of the Saracen rescued by St. Mark from shipwreck, in the Royal Library at Venice; the St. Sebastian in the Scuola di San Rocco); in many other cases they are for pictures which either were never carried out or have perished. The same subject is often repeated with experimental modifications many times over. For the subject of St. Anthony tempted by demons in the form of women there are twenty-two different designs; for his persecution by beasts and hobgoblins, twelve; for the Miracle of St. Mark and the Slave, five; for St. Mark enthroned writing his gospel, three; for Christ's Charge to Peter, nine; for an unexplained myth or allegory of a woman seated on her child's cradle and receiving the homage of attendant figures, six; for another, possibly the descent of Hercules or Theseus to the underworld, five; for an allegory of War, three; for a reclining Venus, four. Subjects treated only once or twice each are the Baptism of Christ; Christ raising the widow's son; Christ healing in the synagogue on the Sabbath day; the Conversion of St. Paul; St. Mary

Magdalene in penitence; St. Sebastian; a pope bestowing a vestment upon a kneeling man; Diana and Calisto; Diana and Actæon; Arts and Arms paying homage to Bacchus; Neptune and the Tritons offering the spoils of the sea to Venice. In colour these compositions vary from monochrome to a full scale; in composition all show a high degree of energy, felicity, and resource, and, in handling, an extraordinary vigour and certainty of brush.

*Etchings.*

Zanetti, Antonio Maria. Twelve plates of peasants, etc.; after G. B. Castiglione.

GERMAN SCHOOL.

*Drawings.*

Dillis, George. Portrait of Sir Benjamin Thompson, Count Rumford; watercolours.

*Engravings.*

Flindt, Paul (of Nuremberg). Woman carrying a dish of fruit; design for a drinking cup; signed P. V. N.

Master of 1551 (M. Zündt?). Twenty-one plates of ornamental cups, ewers, candlesticks, etc., with the title "Insigne ac planè novum opus Cratero graphicum," etc., Nuremberg, 1551.

Zan, Bernhard. An ornamental ewer; signed B. Z. 1584.

SCHOOL OF THE NETHERLANDS.

*Drawings.*

Gallait, Louis. Twelve studies and sketches of figures and compositions for his pictures; pencil, chalks and watercolours. *Presented by William Strutt, esq.*

*Engravings.*

Blooteling, Abraham. Portrait of the wife of Jan Mieris; after Mieris; mezzotint.

FRENCH SCHOOL.

*Drawings.*

Fragonard, Jean-Honoré. Subject from "Don Quixote"; one of a set of nineteen formerly in the Denon collection; pencil and bistre. *Presented by J. C. Joyce, esq.*

Gillot, Claude. A fury presiding over groups of gamblers; red chalk. A group of girls surrounding a term of Cupid; red chalk.

*Etchings.*

Bléry, Eugene. Seventeen plates of landscape; in different states. *Presented by Messrs. P. and D. Colnaghi & Co.*

Fragonard, Jean Honoré. "L'Armoire." (Béraldi 2.)

Paris, Joseph François. Donkey, goat and hens. *Presented by Messrs. P. and D. Colnaghi & Co.*

Pissarro, Camille. Ten views of Rouen, published 1907. *Presented by Madame Pissarro and M. Lucien Pissarro.*

*Lithographs.*

Daumier, Honoré. Twenty-four humorous designs, "Croquis d'Expression," "Caricaturana," "La Journée du Célibataire," etc. *Presented by Campbell Dodgson, esq.*

*Prints arranged to illustrate the Works of Masters.*

Olivié, D. "Première Vue de l'Isle Barbe au milieu du Saône au dessus de Lyon"; by Martini and J. P. Le Bas. *Presented by Colonel Tudway.*

## FOREIGN ARTISTS WORKING IN ENGLAND.

*Drawings.*

Fuseli, Henry, R.A. Medea killing the dragon of the Golden Fleece; oils on paper. A sibyl; pencil. A Maniac in the Hospital of S. Spirito at Rome; pen, bistre and Indian ink. *Presented by J. C. Joyce, esq.*

Lundgren, Egron Sellif. An acolyte; watercolours.

*Etchings.*

Legros, Alphonse. Eighty early plates, in various states. *Presented by the National Art Collections Fund.*

## ENGLISH SCHOOL.

*Drawings.*

Bone, Muirhead. The Egyptian Saloon, British Museum, during repairs; pencil. Scaffolding on the staircase of the British Museum; gold point. *Presented by a group of subscribers through the National Art Collections Fund.*

Brabazon, Hercules B. Algiers; watercolours. View near Bristol; watercolours. Sunset, Madrid; pastels.

Burgess, William (of Dover). The Old Post, Salisbury; watercolours.

Charles, James. Ten studies of landscape and figures; watercolours and pencil. *Presented by Mrs. Charles.*

Clausen, George, A.R.A. Study for the picture "Going to Work"; black chalk. Study of head of the painter's daughter; black chalk, pencil and wash. Study for the picture "Building a Rick"; watercolours. *Presented by the Artist.*

Constable, John, R.A. Four studies of moorhens and a mouse; watercolours on brown paper.

Dance, George, R.A. Design for the mural tablet to the memory of Jeremiah Meyer the miniature painter in Kew church; Indian ink wash.

Evans, Samuel Thomas (of Eton). Floods at Windsor, 1866; watercolours.

Evans, William (of Eton). View on the Yorkshire coast; watercolours.

Furse, Charles Wellington, A.R.A. Thirty-four sketches and studies, including scenes in and near Johannesburg during the raid of 1896, sketches for spandrels in the Liverpool Town Hall, academical figures, etc.; chalks and pencil. Also a book containing sketches done at sea and in South Africa, and studies of huntsmen and hounds.

Gainsborough, Thomas, R.A. Portrait sketch of a lady seated in an armchair, holding a fan; black and coloured chalks.

Green, William. Ten views of scenery in the Lake district; pencil.

Hearne, Thomas. Holyrood Palace; Indian ink wash.

Hobday, William Armfield. Portrait of George Morland while in the rules of the King's Bench prison in 1800; pen and ink and watercolours.

Humphry, Ozias, R.A. Portrait of Mrs. Anne Pitt, sister of the Earl of Chatham; done at Rome 1777; pencil. *Presented by E. E. Leggatt, esq.*

Hunt, William. An old man wearing an apron, seated; watercolours.

Jackson, Samuel Phillips. A girl seated, holding a pitcher; pencil.

Landseer, Sir Edwin, R.A. A tiger; chalk and water-colour.

Leslie, Charles Robert, R.A. Twenty sketches and studies of figures, trees, interiors, etc.; watercolours, pencil and pen and ink. *Presented by G. D. Leslie, esq., R.A.*

Maclise, Daniel, R.A. Portrait of a lady, 1825; pencil. Portrait of Sir Walter Scott; drawn from life at Mr. Bolster's, Cork, 9 August 1825; pencil. A brigand firing at a cavalcade; a group of figures; two pencil sketches: *Presented by John Elliot, esq.*

New, Edmund Hort. Corfe Castle from the south; pen and ink. Cæsar's Tower, Warwick Castle; pen and ink. Lichfield Cathedral; pen and ink. Portrait of Rev. David Davis; pen and ink. *Presented by the Artist.*

Owen, Samuel. Marine subject, 1805; watercolours.

Reynolds, Sir Joshua, P.R.A. Original sketch for the figure of Comedy in "Garrick between Tragedy and Comedy"; black and white chalk.

Ross, Sir William, R.A. "The Union—Thistle, Rose, Shamrock"; watercolours.

Shepherd, George. Exeter Change, Strand; watercolours. St. Bartholomew's Hospital, Smithfield; watercolours.

Stevens, Alfred. Three sheets of studies for his picture of "Parmegiano at the sack of Rome"; red chalk and pencil. Five copies of figures by Della Robbia and another old master; pencil. *Presented by W. Bugshawe, esq., through the National Art Collections Fund.*

Strutt, Joseph. Portrait of himself; pencil. Portrait of Miss Anne Blower, afterwards Mrs. Strutt; pencil. *Presented by W. Strutt, esq.*

Strutt, William Thomas. Two portrait miniatures of himself; watercolours, one on ivory, the other on paper. *Presented by W. Strutt, esq.*

Tomson, Arthur. Four studies of cats; coloured chalks. *Presented by Mrs. Tomson.*

Wilkie, David, R.A. Nine sketches and studies for his pictures. *Presented by John Elliot, esq.*

#### *Etchings.*

Bone, Muirhead. The Great Gantry, Charing Cross Station, 1906; trial proof. *Presented by the Artist.*

Clausen, George, A.R.A. Twenty plates of portraits, rustic figures and groups, etc. *Presented by the Artist.*

Green, William. Seventeen views of scenery in the Lake district.

Merritt, Anna Lea. Thirteen plates; portraits and other subjects. *Presented by the Artist.*

Robinson, Sir John Charles. Cintra, Portugal—the Granite Country. *Presented by the Artist.*

#### *Engravings.*

Anonymous, 17th century. A group of the Protestant Reformers; "sould by Thomas Jenner at the Exchange."

Edwards, S. Arlent. The Duchess of Devonshire; after Reynolds; mezzotint. The Fortune Teller; after Reynolds;

mezzotint. The Fortune Teller; after W. Peters; mezzotint. Visit to the Boarding School; after G. Morland; mezzotint. All printed in colours. *Presented by the Engraver.*

Finnie, John, R.E. Eleven original plates of landscape; mezzotint.

Lucas, David. Thirteen small plates of American scenery, proofs before letters; mezzotint.

Strutt, Joseph. Portrait of Emily Anne Strutt; published with the title "The Blue Sash"; after J. Russell; stipple. *Presented by W. Strutt, esq.*

#### Woodcuts.

Dalziel Brothers. "The Parables of Our Lord"; after J. E. Millais; twenty proofs on India paper.

*Prints arranged to illustrate the Works of Masters.*

Guthrie, James. Thirty-one reproductions of original drawings; fancy subjects, designs for bookplates, etc. *Presented by the Artist.*

Stothard, Thomas, R.A. Twenty plates of biblical, historical and fancy subjects; engraved by Finden, J. Parker, J. Rogers, etc. *Presented by Mrs. Sydney Morse.*

#### JAPANESE SCHOOL.

Eight early woodcuts printed in colours, by the following artists:—Kiyomitsu, 2; Kiyohiro, 3; O. Masanobu, 1; Toyonobu, 2. *Presented by Sir Ernest Satow, G.C.M.G.*

Three hundred and twenty-four woodcuts printed in colours, including examples by the following artists:—Kiyomasu, 2; Kiyomitsu, 3; Kiyohiro, 1; Kiyotsuné, 2; O. Masanobu, 2; Toyonobu, 3; Toyomasa, 4; Harunobu, 8; Shigemasa, 4; Kitao Masanobu, 8; Shunsho, 9; Shunyei, 3; Shunzan, 8; Shunsen, 3; Kiyonaga, 22; Shuncho, 11; Shunman, 4; Shiko, 4; Banki, 1; Yeishi, 6; Yeisui, 1; Yeiri, 1; Yeizan, 2; Utamaro I., 12; Utamaro II., 1; Hidemaro, 1; Hisanobu, 2; Sekijo, 1; Toyokuni, 6; Toyohiro, 18; Kunihiro, 1; Hokusai, 55; Riuunsai, 1; Matora, 1; Hokkei, 3; Gakutei, 3; Hokujiu, 1; Shunko, 1; Hiroshigé, 28; Kunimaru, 1; Kunisada, 20; Yeisen, 2; Kuniyoshi, 7; Kunisada, II., 5; school of Toyokuni, 4; Yoshikadzu, 1; Shunnen, 1; Moronobu, 5; Morikuni, 9; Sukenobu, 7; Shunboku, 4; Ippitsusai Buncho, 1; Itcho, 2; Bunyo, 1; and Buichi, 1. *Presented by Sir Hickman Bacon, bart.*

Three hundred and ten woodcuts printed in colours, from the collection of Mr. S. Tuke, including examples by the following artists:—Kiyomitsu, 3; Kiyohiro, 1; O. Masanobu, 2;

Shunsui, 1; Toyonobu, 1; Toyomasa, 1; Harunobu, 13; Koriusai, 19; Shigemasa, 2; K. Masanobu, 2; Toyoharu, 1; Bokuriu, 2; Shunko, 7; Buncho, 1; Shunyei, 1; Shuntei, 3; Shunzan, 1; Shunsen, 8; Shunko II., 1; Kiyonaga, 13; Kiyomine, 3; Shuncho, 4; Shunman, 7; Shiko, 1; Yeishosai, 1; Yeishi, 6; Yeisho, 3; Yeizan, 5; Yeisen, 4; Yenshi, 3; Utamaro, 21; Kikumaro, 5; Bunro, 1; Shucho, 1; Toyokuni, 27; Toyochiro, 3; Toyokuni II., 5; Kunitora, 4; Kuniyasu, 3; Kuninaga, 1; Kunitsuna, 1; Riusai, 14; Masadzumi, 2; Hokusai, 37; Hokuitsu, 1; Hokuba, 2; Shinsai, 3; Gakutei, 1; Hiroshige, 19; Kunisada, 5; Sadahide, 3; Kuniyoshi, 26; Hoshiu, 1; Hirokage, 1; and Chikamaro, 1.

Fourteen woodcuts by Hokusai, printed in colours, belonging to the series "Thirty-six views of Fuji." *Presented by W. C. Alexander, esq.*

Nine modern woodcuts illustrating the Russo-Japanese war printed in colours, including six by Kokyo and three by Gessan. *Presented by Dr. Ken Hoshino.*

#### HISTORY.

Triumphal Entry into Parma of the papal legate before the marriage of Elizabeth Farnese to Philip V. of Spain, December 1714; engraved by T. Verduynde, from a drawing by Ilario Spolverini in the British Museum.

The choir of Parma Cathedral on the occasion of the above marriage; engraved by F. M. Francia of Bologna.

#### BOOKPLATES.

A collection of five hundred and ninety-one plates, chiefly French and German. *Presented by Max Rosenheim, esq., F.S.A.*

Plate of the George W. Mears, M.D., Memorial Medical Library, Philadelphia; engraved by J. H. Fincken. *Presented by Dr. J. Ewing Mears.*

The rare plate of the Croxteth Library, of which there is a copy in the Franks collection. *Presented by Sir Thornley Stoker.*

#### COLLECTIONS.

Ninety-five plates of incidents in the life of Louis XIV.; after Anton Frans van der Meulen, engraved by J. V. Huchtenburg, A. F. Bauduins, R. Bonnart, N. Cochin, C. Simonneau, F. Ertinger, and R. de Hooghe; together with thirty-one etchings by A. Genoels and six by A. F. Bauduins; bound in three vols. *Presented by Hon. Walter Rothschild.*

A volume of etchings by Giovanni Battista, Giovanni Domenico, and Lorenzo Tiepolo; issued after the death of the elder Tiepolo in 1778.



Two hundred and two platinotype photographs of ancient or interesting buildings and monuments in various parts of the United Kingdom ; in continuation of the National Survey and Record. *Presented by the Secretary on behalf of the contributors to the Survey and Record.*

BOOKS OF PRINTS AND BOOKS OF REFERENCE.

Bénédite, Léonce. "Fantin-Latour ; catalogue de l'oeuvre lithographique du Maître," 1906.

Bénédite, Léonce. "Drawings by J. F. Millet, with fifty facsimile reproductions," &c., 1906.

Bode, Wilhelm. "The complete Works of Rembrandt" ; part 8.

Crawhall, Joseph. "Reynarde the Foxe" ; ten drawings reproduced by S. Hurd. *Presented by W. B. Paterson, esq.*

Dickes, William Frederick. "The Norwich School of Painting," 1905.

Foster, J. J. "French Art from Watteau to Prud'hon" ; vols. 2 and 3, 1907.

Gebhart, Emile. "Sandro Botticelli et son Epoque," 1907.

Hofstede de Groot, C. "Original Drawings by Rembrandt," part II., Nos. 51-100.

Lemonnier, C. "Alfred Stevens et son Oeuvre" ; 1906.

Meyer, J. and W. Bode. "Die Gemälde-Galerie zu Berlin" ; Lief. XXII-XXIII.

Michel, André. "François Boucher" ; 1907.

Nolhac, Pierre de. "J. H. Fragonard, 1732-1806" ; 1906.

Veth, J. "Josef Israels und sein Kunst" ; 1906.

Ward, T. Humphrey and W. Roberts. "Catalogue of Pictures in the collection of J. Pierpont Morgan at Prince's Gate and Dover House" ; privately printed 1907 ; three vols. *Presented by J. Pierpont Morgan, esq.*

Williamson, G. C., Litt. D. "Catalogue of the collection of Miniatures the property of J. Pierpont Morgan" ; privately printed, 1906 ; three vols. *Presented by J. Pierpont Morgan, esq.*

"Les Cuivres Originaux de Rembrandt ; réimpressions des planches originales" ; 1906.

*Sidney Colvin.*

## DEPARTMENT OF EGYPTIAN AND ASSYRIAN ANTIQUITIES.

I.—*Arrangement, Cataloguing, etc.*

## EGYPTIAN ANTIQUITIES:—

The general re-arrangement of the Egyptian Collections has been continued and the greater number of the important objects acquired during the year have been incorporated and exhibited.

In the re-arrangement of the Egyptian Galleries the tables for offerings, or altars, which were dispersed throughout the Galleries, have been brought together in chronological order in two bays in the Central Saloon. Several covers of sarcophagi have been repaired. New stone shelves have been built into eight bays. The labelling of the exhibits has been continued.

A considerable number of the larger objects in the Galleries have been carefully cleansed.

Ninety-three granite plinths have been placed in position and "fixed"; fifty-one Caen stone plinths have been worked and placed in position; thirty-six white alabaster plinths have been worked and polished, and figures of gods and sacred animals mounted on them; and other figures and objects have been mounted on smaller pedestals.

Three funerary boats have been cleaned and repaired, and figures of their crews placed in position; four inscribed coffins of the XIIth dynasty have been repaired, and thirteen altars, twelve stelæ, and one hundred and forty-two miscellaneous objects have been cleaned, and several of them repaired.

755 scarabs, small figures of gods, etc., have been mounted.

One papyrus and seventeen fragments have been cleaned and mounted, 1,690 ostraka have been "boxed," 1,960 scarabs have been cleaned, and 134 painted plaster fragments have been rejoined.

362 labels have been written and painted, and attached to the objects; and 5,528 numbers have been painted on antiquities, etc.

4,518 objects have been registered. 890 descriptive slips for the new Guide to the Egyptian Galleries have been written. 14 stone stelæ have been copied and catalogued, and 31 wooden stelæ have been catalogued.

2,746 slips for a catalogue of scarabs have been written, and 3,049 have been revised for press.

## ASSYRIAN ANTIQUITIES :—

The general re-arrangement of the unexhibited section of the Babylonian and Assyrian Collections has been continued.

The Kuyunjik collection has been verified with the registers.

133 tablets have been cleaned and repaired ; a number of case tablets have been opened, and the fragments of the cases rejoined ; casts of nineteen cylinder seals have been made and mounted with the seals on blocks.

1,374 tablets have been registered, various texts have been collected, copied, collated, and arranged for publication in fifty plates. Eighteen boundary stones have been catalogued, and the texts arranged to form a series of one hundred and eight plates.

1,164 slips from a Catalogue of cylinder-seals have been written and revised for press ; and an Introduction and a list of proper names have been written for the edition of the Behistun texts.

A slip-list of registration numbers, and a list of the tablets bearing seal impressions have been made.

“The Sculptures and Inscription of Darius the Great on the Rock of Behistun in Persia. A new collation of the Persian, Susian, and Babylonian Texts, with English translation,” has been completed and issued.

*Students.*—2,550 visits have been made to the Department by students and others ; and 6,100 objects have been issued for their use.

*Personally conducted Parties.*—Forty-seven parties have been personally conducted through the Department by members of the staff, the number of persons being one thousand and forty-two, including many pupil teachers and scholars from the London County Council Schools. The parties came from educational and social clubs, schools, etc., at Bow, Battersea, Barnsbury, Edmonton, Greenwich, Holloway, Hornsey, Islington, Kilburn, Leytonstone, Paddington, etc.

II.—*Acquisitions.*

## EGYPTIAN :—

- i. A large and miscellaneous collection of Egyptian antiquities, consisting of about one thousand objects, belonging chiefly to the VIth and XIth dynasties, from the excavations carried out by the Trustees in

the neighbourhood of Asyut in Upper Egypt. Among these may be mentioned:—

1. A fine blue paste cylinder seal inscribed with the names and titles of Pepi I. VIth dynasty, B.C. 3300.
2. Light blue faïence spiral bugle bead. VIth dynasty
3. Two button seals. VIth dynasty.
4. Large rectangular wooden coffin of Neb-hetep, an official of the temple of Pepi I. VIth dynasty.
- 5-8. A group of four rectangular wooden coffins of Neferu-aker, Senkeku, the sculptor, and Hunnu and Khuat, private persons. All these are painted in white, or light yellow, and bear hieroglyphic inscriptions painted in green or blue. VIth dynasty. About B.C. 3300.
- 9, 10. Two coffins, of unusual dimensions, which were made for the Princess Atchni, and Kareru the sculptor. The occupants of these coffins appear to have been buried in what is commonly called the "pre-natal position." VIth dynasty. About B.C. 3300.
- 11-18. A group of well-carved, and well-proportioned wooden figures, of various sizes, representing the servants, male and female, of the occupants of the tombs. VIth dynasty. About B.C. 3300.
19. A group of limbs of wooden figures of men and women, at the joints of which are incised figures of protecting gods. Chiefly of the VIth dynasty. About B.C. 3300.
- 20, 21. Two complete wooden models of bakeries, with figures kneading dough and tending the furnaces. VIth dynasty, B.C. 3300.
- 22, 23. Two turtle shells. From a tomb of the VIth dynasty. These appear to be the oldest known turtle shells of the Dynastic Period, and it is probable that they were buried in the tomb in connection with the belief referred to in the Book of the Dead (Chap. CLXI.) where it is said "Rā liveth, the turtle dieth."
- 24-31. Eight models of alabaster vases. VIth dynasty, B.C. 3300.
32. A collection of twenty-six wooden head-rests, or "pillows." VIth-XIth dynasties, B.C. 3300-2600.
33. A large collection of earthenware vases, pots, saucers, jars, etc, of coarse make and various colours. VI-XIth dynasties, B.C. 3800-2600.

34. A series of limestone tables for offerings, or altars, some of which are inscribed. VI-XIth dynasties, B.C. 3300—2600.
35. A collection of terra-cotta dishes filled with models of joints of meat, bread-cakes, and vases of wine, beer, unguents, etc. VI-XIth dynasties, B.C. 3300-2600.
- 36, 37. Two acacia wood bows, with bundles of flint-tipped reed, or bamboo, arrows, and an archer's wrist guard, and gut for stringing the bows. VI-XIth dynasty, B.C. 3300-2600.
- 38-42. Models of wooden boats, with crews. XIth dynasty, B.C. 2600.
43. A painted stone stele of Uapai, an official, XIth dynasty, B.C. 2600.
44. Rectangular wooden coffin of Ānkhf-aker, painted in blue and yellow. XIth dynasty, B.C. 2600.
45. Painted wooden box for holding a set of "Canopic" jars; fine example. XIth dynasty, B.C. 2600.
46. A wooden grating for placing under the mummy in a coffin. A very rare object. XIth dynasty. B.C. 2600.
47. A miscellaneous collection of objects, scarabs, porcelain and glass beads, amulets, figures of gods, etc. XIth and following dynasties.
48. A large painted terra-cotta vase decorated in blue with figures of hawks, etc. XIXth dynasty, B.C. 1300.
49. A group of mummied Apis calves, birds, snake, etc. XVIIth to XXVIth dynasty.
50. Twenty-six fragments of papyri inscribed in the hieratic character. XIX-XXth dynasty.
51. A basket-work sieve, and a miscellaneous group of sandals, ropes, baskets, etc., of various periods.
- 52-53. Two rudely painted coffins, daubed with mud, late Græco-Roman Period.
54. About 50 fragments of papyrus inscribed in Greek and Coptic.
- ii.—1. Four fragments of limestone reliefs painted with portrait heads. From Dêr al-Bahari. XIth dynasty.
2. A group of fragments of reliefs, with specimens of fine work. From Dêr al-Bahari. XIth dynasty.
3. Lower portion of a seated granite figure of a scribe. XVIIIth dynasty.

4. A group of 12 terra-cotta tables of offerings, with models of offerings upon them. Archaic Period. B.C. 3800.
  5. A pair of wooden paddles from the funeral barge of Amen-hetep II., B.C. 1500. The blades are in the form of hands, and the ends terminate in hawk's heads. XVIIIth dynasty.
  - 6-9. Four painted wooden boxes for ushabtiu figures; one is inscribed in Demotic, and another has a figure of a jackal upon it. B.C. 500-300.
  10. A group of terra-cotta models for making jewellery, pendants, figures, etc.
  - 11-13. Three hard stone vases. Archaic Period. B.C. 3800.
  14. Five fragments of vases inscribed with the names of Thothmes I., King of Egypt. About B.C. 1600.
  15. A large bronze figure of Isis suckling Horus. From Bubastis. XXVIth dynasty, B.C. 600.
  16. Bronze vase, with a hinged cover. Late Period.
  17. Bronze statue of an official holding a figure of Osiris. Late Period.
  18. Bronze ring, with scarab. XXVIth dynasty.
  19. Portion of a slab from a building inscribed with the name of Ankh-nes-nefer-âb-Râ, daughter of Psammetichus II. and Taphauath. XXVIth dynasty. B.C. 600.
  20. Inscribed angle post from the sarcophagus of Ptahmes. Ptolemaic Period.
  21. Bronze figure of Eros, wearing the Crowns of the South and the North. Graeco-Roman Period.
  22. A collection of 1600 ostraka, inscribed in Greek, Demotic, and Coptic. The Greek ostraka contain chiefly receipts for taxes, and the Coptic extracts from the Scriptures, letters, etc.
  23. Four Coptic stelæ, on one of which are sculptured the figures of two saints. IXth or Xth century A.D.
- iii.—1. A small stone figure of Amenartäs, the daughter of Kashta, the grandson of Piänkhi, the Sudani King of Egypt, and high priestess of Amen-Râ at Thebes. She appears with the attributes of Isis and Hathor. Fine work. XXVIth dynasty. B.C. 600.
2. Portions of the bronze framework of a door of the temple of Amen-Râ at Thebes. B.C. 1200.
  3. A wooden footstool, the place for the feet being made of twisted palm fibre plaited. A rare object. XIIth dynasty. From Kurna.

4. Ivory plaque inscribed with the prenomen of Amen-em-hät. From Kurna. XIIth dynasty.
  5. Half of a large granite bowl which was made for the official Tehuti-mes, who flourished under King Amen-hetep II. and Thothmes IV. B.C. 1500.
  6. Limestone stele sculptured with the figure of the deceased kneeling before a jackal standard. Below are cut figures of 54 jackals, arranged in 9 lines, which take the place of the usual hieroglyphic inscription. Period uncertain.
  7. A bronze bolt, terminating in the head of a lion. Late Period.
  8. A collection of 1,181 scarabs, made of steatite, with white, drab, or yellow glaze, on which are cut hunting scenes, figures of animals, devices, monograms, designs, etc., which are peculiar to scarabs found in the Delta or Lower Egypt. The scarabs in this collection belong to all periods, but among them is an important group which was made between the XIIth and XVIIIth dynasties, and illustrates the method of scarab decoration under the Hyksos, or Shepherd Kings.
  9. A large seated granite figure of a King of Egypt, whose prenomen reads Râ-uatch-sekhem-tau, who reigned probably about B.C. 2000. It belongs to the period of the XIIIth or XIVth dynasty, and monuments of this King's reign are very rare.
- iv.—1. A collection of 113 white and grey glazed steatite scarabs, amulets, plaques, etc., many of which are inscribed with royal names. VIth to XXVIth dynasties.
2. A gilded, inlaid bronze beard, from a mummy or mummy-case. XIXth dynasty.
- v.—1. An amethyst ape, which formed the pendant of a necklace. XIIth dynasty.
2. Four linen balls covered with papyrus and painted in imitation of the fruit of a tree. XVIIIth dynasty.
  3. Limestone stele on which are cut figures of 21 ibises; it appears to have been set up in memory of a number of sacred ibises which belonged to a temple. Late Period.
  - 4, 5. Limestone stelæ sculptured with figures of deceased persons kneeling in adoration before jackal gods on standards; examples of this class of antiquity are uncommon.
  6. Stele sculptured with a scene representing Amasis II. presenting an estate to Râ and Isis, and dated in the first year of his reign. XXVIth dynasty.

7. Stele of Petā-Nefer-hetep. Ptolemaic Period.
  8. A collection of 655 scarabs, amulets, plaques, etc., of all kinds. Vith to XXVIth dynasties.
  9. Painted wooden *ushabtiu* box of Sheps-mes-enkhensu, a priestess. XXVIth dynasty.
  10. A large leaden cross, set up to commemorate the monks Macarius, Severus, Thôte, Shenuti, and others in the year 650 of the Era of the Martyrs, *i.e.*, A.D. 934. The letters, figures, etc., are in relief. A rare object.
- vi.—1. A large, massive "false door" from the *mastaba* tomb of Asa-ānkh, a high official who held the rank of Smer-uat and Utcheb, or chief high-priest of Horus, under King Tet-ka-Rā, who reigned about B.C. 3330. This very important object is probably the finest example of its class in Europe. It is covered with texts which record the titles and offices of the deceased, and is of value for purposes of grammar and philology. Vth dynasty.
2. The base and capital of a granite column which was one of the four that supported the roof of the portico in front of the Pyramid of King Unas. About B.C. 3000.
  3. A massive grey granite sarcophagus of the "anthropoid" class, of Uah-ab-Rā, a controller of the revenue of the district of Memphis, and scribe of the taxes. The inscriptions are archaic in character, and many of the words are spelt as in the texts written under the Vth dynasty. The deceased probably flourished in the reign of Psammetichus I., about B.C. 640. XXVIth dynasty.
  5. Hard stone statue of Uah-en-Menthu, holding a tablet inscribed with a hymn to the Sun-god. The deceased was high-priest of Menthu, and presided over the administration of the temples at Thebes during the reign of Hātsheset, about B.C. 1600. From Thebes. XVIIIth dynasty.
  6. A gilded coffin of Hent Mehit, a lady of high rank, and priestess of Amen-Rā, the great god of Thebes, and gilded mummy covering, with figures of the gods cut in hollow-work, and backed with a layer of the purple linen of Egypt. From Thebes. XXIInd dynasty. About B.C. 1040.

## ASSYRIAN:—

- i.—1. Bronze figures of the Elamite King, Kudur-Mabug, who reigned over Elam about B.C. 2,000, carrying on his head a vessel filled, probably, with offerings, and performing a ceremony which seems to have been similar to that performed by the canephoros



among the Greeks and Egyptians. On the body of the figure is cut, in two columns, a text which states that Kudur-Mabug, the Governor of Western Elam, and his son, Rim-Sin, King of Larsa, in Southern Babylonia, built a great temple, which was "like a mountain," in honour of the god Ninni, to ensure the preservation of their lives. The inscription ends with a prayer to Ninni to grant long life to the father and the son, and established rule, and the wielding of royal power for ever.

2. A "Kudurru," or Boundary Stone, inscribed with a text recording a grant of certain cultivated land, situated in Southern Babylonia, to Gula-eresh, by Eanna-shum-iddina, Governor of the Persian Gulf, the son of Daiam-Bel. This land was situated on the bank of the Edina Canal, near the town of Edina, in the province of the Sea-Land. On one side of it was the property of the tribe of Iddiatu, and on the other the land of Amél-Marduk. The estate of Gula-eresh was carefully measured by the governor of the city of Edina and others, and duly registered; Gula-eresh had this stone cut and inscribed, and the great gods set it up as a witness. On the upper portion of the stone are cut the emblems of the great gods, and on the reverse are adjurations to various officials and others who are called upon to respect the claim of Gula-eresh, and to do no injury to the stone, his title-deed. These are followed by a series of curses upon anyone who should harm or conceal the stone, the gods Anu, Enlil, Ea, Nin-makh, Sin, Nabû, Gula, and Ninib being invoked. About B.C. 1100.
- ii. A collection of small stamps and seals from Asia Minor :—
1. Flat, circular seal inscribed with "Hittite" characters. In the centre, on both the obverse and reverse, are four large characters which probably give the name of the owner of the seal. Round these, on each side, is an inscription in smaller characters.
  2. Bronze seal, inscribed with "Hittite" characters within a line border; it is provided with a ring for suspension.
  3. Steatite scaraboid, on which is cut the figure of an ibex leaping.
  4. Cylinder seal, with three divisions, in each of which is cut a seated human figure, with both hands raised in adoration, libation vase, etc.

5. Steatite semi-circular seal, on which are cut figures of serpents, line patterns, and bosses arranged symmetrically.
6. Haematite seal, on which is cut a figure seated by a table of offerings; near it are divine emblems.
7. Steatite stamp on which are cut heads of bulls and ibexes arranged symmetrically.

## HIMYARITIC :—

1. Portions of an inscription recording the dedication of a building to a god. B.C. 700.
2. Bronze lamp, with a curved handle in the form of an oryx, or gazelle. Late Period (Roman?).
3. Bronze censer, on stand, with cover. Roman Period.
4. Bronze handle of a large vessel for holding water. About A.D. 250.
5. Bronze handle of a vessel, ornamented with flutings and raised rings; it terminates in the head of a ram with horns curving downwards by the sides of the face.
6. Bronze figure of a camel.
7. Portions of a face from a statue. Late Period. This group of Himyaritic objects came from ancient sites in the Hadhramaut, in Yaman, Arabia.
8. Lower portion of a limestone figure of a man. Period unknown.

III.—*Presents.*

- i.—1. Six large, and 200 small fragments of the walls and pilasters of the shrine of Kemsit, a priestess of Hathor, sculptured with scenes representing King Menthu-hetep II. and his Queen Aashait making offerings to the gods, and Kemsit receiving offerings, etc. XIth dynasty, B.C. 2500.
2. Four fragments of lily pillars and one capital from the shrine of Kemsit. XIth dynasty, B.C. 2500.
3. Slab sculptured in relief with the winged disk and uraei, and the head of King Menthu-hetep, probably from the shrine of Queen Aashait. XIth dynasty, B.C. 2500.
4. A group of specimens of hieroglyphics sculptured in shrines at Dêr al-Bahari in high relief. XIth dynasty, B.C. 2500.
5. A series of slabs with reliefs illustrating the campaign of Menthu-hetep II. against the rebels of the Aamu. XIth dynasty, B.C. 2500.

6. Slab with relief representing a Libyan prisoner.
7. Slab with relief representing the presentation by the King of a collar of honour to the chancellor Henket.
- 8, 9. Fragments of slabs on which are cut the names of Henket and Kheti, chancellors of Menthu-hetep II.
10. Fragments of sandstone reliefs from the western hall of the temple of Menthu-hetep II.
11. Two pieces of octagonal columns, on which are cut the cartouches of Menthu-hetep II.
12. Limestone relief, representing the King being embraced by the god Rā. From the cella of the Temple of Menthu-hetep II.
13. Slab with relief representing a boat on the Nile.
14. Historical inscription of Menthu-hetep II.
15. Pavement slab from the temple of Menthu-hetep II., on which are cut in outline a pilgrim's foot and the name Hui.
16. Three wooden figures of servants, a model of a cow-hide shield, a group of models of vases, a boat, model of an ox bound for sacrifice, broken bows, with wood arrow-tips, and a boomerang. From the tomb sanctuary of Menthu-hetep II.
17. Cover and fragments of a "Canopic" jar of Menthu-hetep II., and a piece of his coffin.  
Nos. 1-17 are of the XIth dynasty, B.C. 2500, and are from Dér al-Bahari.
18. Models of vases, specimen of *sent* wood, model bolt, and model *sekhem*. XIth dynasty.
19. A group of miscellaneous fragments of reliefs. XIth-XVIIIth dynasties.
20. Clay impression of a seal. XIIth dynasty.
21. Sandstone fragment with the name of Heru-meritai. XIIIth dynasty, B.C. 2100.
22. Fragment of an inscription mentioning Sebek-em-saf, a King of the XIIIth dynasty.
23. Portion of a stele with the figure of Queen Aahmes-Nefert-ari.
24. Portion of a granite plinth with the name of Thothmes I. in an unusual form.
25. Stone fragment with the name of Khebt-neferu, a princess.
26. Fragment of a relief with figures of soldiers marching and carrying branches. From the temple of Hütshepset.

27. Granite figure of the priest Tchaui, with a relief showing the sacred cow of Hathor.
28. Slices of limestone, on which are drawings of a dog and a girl.
29. Votive cloth, painted with a scene representing the worship of Hathor.
30. Bones of a sacred cow of Hathor.
31. Large ear amulet in red pottery.
32. Pottery figures of a man and an ape.
33. Large shell and pieces of card, and model of a flower.
34. Specimens of blue glazed porcelain bowls, etc.
35. Specimens of painted red ware vases.

Nos. 23-35 are of the XVIIIth dynasty.

36. Four jar-sealings. XVIIIth and XIXth dynasties.
37. Two funerary cones. XVIIIth and XIXth dynasties.
38. Three *ushabtiu* figures. XVIIIth to XXVIth dynasty.
39. Three vases. XVIIIth to XXVIth dynasties.
40. Specimens of hieratic *graffiti*. XIXth dynasty.
41. A mat. XIXth dynasty.
42. Embalmer's bag of natron. XIXth dynasty.
43. Triple brush and mallet. XIXth dynasty.
44. Stone trough. XIXth dynasty.
45. Torso of a figure of Osiris wrapped in a fringed mantle. Later Period.
46. One hundred and twenty-six Hieratic, Demotic, and Coptic ostraka.

All the above are from Dêr al-Bahari.

47. Small glass human head.
48. Green glass bottle.
49. Wooden figure of a soldier.
50. Six Greek ostraka. IInd to VIth cent. A.D.
51. Reed cross. Coptic Period.

Nos. 47-51 are from Behnesa (Oxyrrhynchus).

*Presented by the Egypt Exploration Fund.*

- ii.—1. Bronze figure of the Bull Mer-ur, or Mnevis. XXIIInd dynasty.
2. Bronze figure of Ptah, on the pedestal of Maât. XXIIInd dynasty.
3. Bronze figure of Bast, holding an aegis. XXIIInd dynasty.

4. Bronze figure of Thoth, ibis-headed. XXIIInd dynasty.
5. Bronze figure of the goddess Neheb-kau. XXIIInd dynasty.
6. Bronze figure of Harpokrates, with the attributes of Amen. XXIIInd dynasty.
7. Bronze figure of a seated cat. XXIIInd dynasty.  
*Presented by the daughters of the late Samuel Sharpe, Egyptologist.*
8. An alabaster slab sculptured in relief with a figure of an eagle-headed god standing by a sacred tree, and inscribed with a historical text of Ashur-natsir-pal, king of Assyria, B.C. 885-860. From the palace of Ashur-natsir-pal at Nimrud (Calah).  
*Presented by W. Howard, esq.*
9. Wooden figure.
10. Wooden head-rest, or pillow. XIIth dynasty.  
*Presented by J. H. Skilbeck, esq.*
11. Limestone head from a statue at Palmyra.  
*Presented by G. P. Devey, esq.,  
H.B.M.'s Consul at Damascus.*
12. Porcelain figures of Bes and Nefer-Atmu. XXVIth dynasty (Nos. 43,058, 43,378).
13. Steatite figures of Bes and Nefer-Atmu. XXVIth dynasty (Nos. 43,379, 43,397).  
*Presented anonymously.*

*E. A. Wallis Budge.*

## DEPARTMENT OF GREEK AND ROMAN ANTIQUITIES.

I.—*Arrangement, Cataloguing, &c.*

In the Terracotta Room the new wall cases on the north side have been finished, and two pedestal cases fitted; the collection of terracottas has been re-arranged and in great part remounted. The arrangement of the Room of Greek and Roman Life has been completed. All the cases in the Bronze Room have been refitted, and the bronzes re-arranged, and the mounting of many of the larger pieces has been altered. Wall-cases in the Fourth Vase Room have been fitted for the exhibition of Roman pottery, and the Roman lamps have been moved from the Terracotta Room to a table-case in this room. The Greek statue from Trentham has been set up in the Phigaleian Room. In the Elgin Room many plaster casts of fragments of the sculptures of the Parthenon which are in Athens have been fitted in their places; the glass covering the Parthenon frieze has been removed and refixed; and a table-case has been altered for the exhibition of sculptural fragments. Two restored capitals and a column-base from the Temple of Artemis have been moved from the Archaic Room to the Ephesus Room and plaster columns have been built up beneath the capitals. The new wall-cases in the Greek Ante-Room have been completed, and the collection of smaller sculptures in stone and marble arranged in them. The restored columns from the doorway of the "Treasury of Atreus" at Mycenae have been fixed in position in the wall of the Archaic Room.

The collection of casts of Greek and Roman sculpture has been transferred from the Victoria and Albert Museum at South Kensington to the British Museum, and is now stored in the Mausoleum Room and the basements pending the construction of a special gallery for its proper exhibition.

The antiquities from the excavations at Ephesus, which were temporarily deposited in the British Museum, have been returned to the Imperial Ottoman Museum at Constantinople, excepting some duplicates and pieces of minor importance which were allotted to the Museum by the Turkish Government.

Sixteen new moulds have been made from the sculptures. Sixteen marble vases, a marble head, 39 statuettes, a relief, 2 terracotta slabs, and many architectural sculptures have been mounted on pedestals of stone or marble; 281 terracottas, 13 bronzes, and many miscellaneous objects have been mounted on wooden blocks.

Six alabaster figures, 37 bronzes, 13 ivories, 186 leaden seals, 129 terracottas, 66 vases, and various other antiquities

have been cleaned or repaired. Thirty-five imperfect bronzes have been completed by the restoration of the missing parts.

One thousand six hundred and nineteen objects have been registered, 1,647 numbered; 680 labels have been written, and 356 labels printed in the Department.

The Catalogue of Finger Rings has been published, and a new edition of the Guide to the Department has been issued. The publication of the British Museum Excavations at Ephesus has been prepared for press.

Progress has been made with the Catalogues of the First Vase Room, the Roman Pottery, and the Gold Ornaments, with the Guide to the Room of Greek and Roman Life, and with a new edition of the Guide to the Sculptures of the Parthenon.

*Students.*—The number of visits to the Students' Room for purposes of research has been 428; 1,565 other visits to the Staff for purposes of inquiry, and 1,206 attendances of students in the Sculpture Galleries have been entered.

## II.—*Acquisitions.*

### *By Purchase.*

#### I.—*Objects in Gold.*

1. Eight stamped plaques pierced for attachment, one of them ornamented also with filigree work.

These resemble the primitive treasure found in the recent Museum excavations at Ephesus, and are probably from that site.

2. Pair of earrings in the shape of clubs terminating in lions' masks, to which are attached pendent amphorae made of black and white glass and gold. The clubs are prolonged at each end by twisted wire, forming a loop to fit over the ears.

3. Sixteen stamped bracteate plaques, of which fourteen are copied from coin-types; they include pieces of Olbia, Naxos, Magna Graecia, and Rome.

4. Fifteen amulets or pendants, one set with a plasma gem, another with a sard, and another with a sardonyx cameo representing Eros leaning on a column.

5. Necklace of 106 gold and 52 glass beads, strung in such a way as to suggest a bead-and-reel pattern.

2-5 from Olbia.

7. Ring, set with a golden sard intaglio: a youthful head of Hermes with caduceus. Roman, 1st century B.C. Found in a tomb in the island of Lipari. (*Journ. Hell. Stud.*, VII., p. 51; *Brit. Mus. Catalogue of Finger Rings*, p. xiii., No. 1655.)

II.—*Silver.*

1. Ring, with intaglio design carved in the bezel: a girl dancing, carrying an amphora on her shoulder.  
A specimen of modern imitation of the antique.
2. Spoon, the handle turned in plain mouldings. From Egypt.
3. Bezel of a ring, carved with an intaglio of Eros riding on a dolphin. It has been set with two gold studs, of which one only remains. Greek, 4th century B.C. From Rhodes.

III.—*Bronze.*

1. Bell of unusually large size, with an iron clapper. It was probably a cattle-bell. Said to have been found at Pompeii.
2. Statuette of an Augur, robed perhaps in the *trabea* and holding a *lituus* in his right hand; the left has held something which is now missing, perhaps an *ancile*. (Compare Virgil, *Aeneid*, VII., 187.)  
The figure is cast solid, and seems to be Etruscan work of the early part of the 5th century B.C. Formerly in the Forman Collection. (*Forman Sale Catalogue*, June 1899, No. 55, pl. II.).
3. Statuette of Aphrodite, nude, holding up in her right hand a wreath or *cestus*, and wearing a crown of flowers. The figure is of unusually large size for a bronze of this motive, and stands on an antique pedestal. From Jerusalem.
4. A snake, crawling; probably a votive offering.
5. A buckle and a clasp, the latter in the form of a crouching animal. Part of the leathern belt is still attached to the clasp. From Olbia.
6. A kantharos, of the best Greek period; similar to those found at Galaxidi. From Anactorion.
7. A bistoury of rare form, with a slotted shaft.
8. Statuette of Aphrodite holding a wreath, and wearing a headdress in the shape of a dove.
9. A circular brooch-plate with sunk patterns in red, white, and blue enamel: daisies and geometrical designs.
10. Spoon with handle terminating in the form of a stag's antlers.  
8–10 from Egypt.
11. Statuette of an athlete scraping himself with a strigil. Greek work, of about 500 B.C.; an interesting early example of the type afterwards made famous in the *Apoxyomenos* of Lysippos.
12. Bust of a human figure wearing a headdress composed of five vertical reeds and a ball, and a twisted necklace with pendant; the hair is braided, and in the hands are a



cone and a cornucopia. The work is barbaric. From Syria. Formerly in the Gilbert Collection. (*Vente Serrure*, 24, 1, 1903, pl. I. Reinach, *Rép. de la Stat.*, III., p. 267, No. 9, where it is described as a "Syrian Priest.")

13. A vase, engraved with patterns which show survivals of Greek decorative motives. From Kaalal Shergat.

#### IV.—Iron.

1. Knife with bone handle, on which are carved reliefs of a dog chasing a stag and a man hunting a lion.

2. Knife with wooden handle, on the end of which is carved a human head. The blade was protected by a sewn leather sheath, which is entirely preserved.

1-2 from Egypt.

#### V.—Lead.

1. A series of stamped and pierced reliefs, representing *boucrania*, figures of Heracles, Victory, &c.

2. Hand-mirror, of which the reflector is a convex glass disc; in miniature size, probably a model or a child's toy.

1-2 from Olbia.

3. The lid of a vase, ornamented with two wolves' heads on opposite sides. From Egypt.

#### VI.—Gems.

1. Carnelian intaglio: a girl carrying amphora and dish, approaching a statue of Eros on a column. From the ruins of a Roman building near Mabeul, Tunisia.

2. Smoky quartz intaglio: Eros kneeling on a rock and shooting with bow and arrows, Aphrodite standing behind him. From Halos in Thessaly.

3. Amethyst intaglio of large size and convex shape: a portrait of the Emperor Constantius II. The stone is in remarkably good condition, being only slightly chipped at the edge. It is an admirable example of the best gem-engraving of the late period, of which very few specimens have survived.

4. Agate scaraboid intaglio: a centaur carrying off a nymph. Greek, 5th century B.C.; a fine gem of the best period.

5. Red jasper intaglio: a shepherd with a goat at a tree, in which is a bird's nest.

6. Four roughly worked carnelian gems; one is engraved with a satyr holding a bow, and another with two goats at a tree, in the style of the archaic "island" gems; the others have no design. From Olbia.

7. Amethyst intaglio: the signs of the Zodiac and heads representing the Days of the week, arranged round a head of Helios.

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8. Sardonyx intaglio: Heracles running, with sword and spear.

7—8 from Egypt.

9. Sard intaglio: a rabbit within the hoop of a finger-ring, a bust, two Cupids, two cranes, and an inscription—FELIC [*Felic(is)*?].

10. Carnelian scarab intaglio: a soldier on horseback, accompanied by a large war-dog; beneath, a lion's mask. Probably Ionic work, of the 6th century B.C. From Samos. (There is a gem of similar design, but inferior execution, in the Hermitage Museum at St. Petersburg: Furtwängler, *Antike Gemmen*, pl. VIII., 63.)

#### VII.—*Jet*.

1. Three carved pendants, with loops of bronze wire for suspension. They are respectively in the form of an altar, a pigeon, and a rhinoceros embracing an elephant. From Olbia.

#### VIII.—*Bone and Ivory*.

1. Statuette of a draped woman, of minute size; the hands held stiffly by the sides.

This statuette resembles the primitive ivory figures found in the recent Museum excavations at Ephesus, and is probably from that site. (*B.M. Excavations at Ephesus*, pl. XXIV., fig. 5.)

2. Handle of cylindrical shape, carved in relief with figures of a lion and a deer, both galloping. Ionic Greek, 5th century B.C.

3. A series of carvings, including a pointed oval plaque with a relief representing a Dionysiac ceremony, a grotesque head, a pin surmounted by a woman's head in a turreted crown, and other pins.

#### IX.—*Marble and Stone*.

1. A group of Heracles and the Hydra, representing a rare version of the myth. The Hydra is shown as a serpent, coiled round the left leg of Heracles, but terminating above in the bust of a woman, from whose head smaller snakes issue. This type does not appear in art until the Roman period; it is found in reliefs decorating sarcophagi, but only two other instances are known of groups in the round, while this example is the clearest at present known. (For the treatment of the subject, see Ulrichs in *Görlitz Verhandlungen*, 1890, p. 312.)

2. Laver consisting of a bowl, decorated inside with a Gorgon's head and outside with signs of the zodiac, and supported by four legs, each of which bears a sculptured panel in the neo-attic style; the whole stands in a floriated basin which rests on lions' heads. Roman, 1st century B.C. *Trentham Sale Cat.*, 17 July 1907, No. 855.)

3. Rectangular altar, the sides decorated with floral festoons which are suspended from rams' heads on the angles. At one end a bowl, at the other a jug. Roman, early Imperial. (*Trentham Sale Cat.*, No. 857.)

4. Statue of a woman, life-size, closely wrapped in drapery and standing in a mourning attitude. On the plinth a late Roman inscription, P · MAXIMINA · SEXTILI · CLEMENTIS. Greek, 4th century B.C. (*Burlington Magazine*, 1908, p. 331; *Trentham Sale Cat.*, No. 858)

5. Laver consisting of a fluted basin, resting on two lions' legs, which terminate above in wings, and lions' heads, and on a central column which is sculptured as a palm-trunk; these stand on an oval platform, which is separated from a richly carved plinth by six blocks in the shape of human heads. Roman, 1st century B.C. (*Trentham Sale Cat.*, No. 856.)

2-5 from the Duke of Sutherland's collection at Trentham Hall.

6. Stele with relief of a youth holding a bird. Inscribed ΣΤΡΑΤΙΟΣ.

7. Stele, upper part, with relief of the head of a woman within a shrine. Inscribed ΙΕΡΟΚΛΕΙΑ ΝΑΥΣΙΝΙΚΟΥ ΕΚ ΚΕΡΑΜΕΩΝ.

8. Stele, fragment, with relief of the upper part of a bearded man.

9. Mould in black stone for casting a graduated series of four weights, numbered successively A, B, Δ, Η.

10. Fragment of painted and carved stone architrave. From Tel-el-Yehudiyeh. It forms part of a series of triglyphs and metopes; in the latter is sculptured an Atef crown in relief.

X.—*Terracotta.*

1. Statuette of a goddess of archaistic style.

2. Statuette of woman with fan.

3. Girl seated.

1-3 are specimens of modern imitation of the antique.

4. Nereid riding on a sea-horse with the helmet of Achilles in her hands. Painted in bright colours. Attic work, 4th century B.C.

5. Group of two gladiators fighting.

6. Boy draped in a long robe covered with raised dots, which is probably meant to represent a skin.

7. Group of a woman seated and a boy reclining on a couch at a banquet. Fine modelling on a minute scale.

8. Comic actor draped as a woman, a fruit in his left hand his face covered with his right.

9. Comic male figure, nude, holding up a purse in his left hand and gesticulating.

10. Two grotesque figures of hunchbacks, one holding a dagger, and the other a lamp.

11. A youth holding a hare in his arm; of large size, vividly painted.

12. Persephone wearing a high *stephane* and holding a chain, of fabric similar to the preceding figure.

13. Group of an old schoolmaster teaching a boy to read from a scroll. (Lecuyer collection, No. 81.)

14. Comic actor wearing a long fringed cloak.

15. Victorious athlete holding a branch of palm; he leans against a terminal figure, at the foot of which is a vase.

16. Aphrodite draped and holding an apple in her right hand.

17. A series of 43 heads which have been broken from statuettes. These are all of fine style and are the work probably of a school which flourished at Smyrna or one of the neighbouring cities in the 4th century B.C. They include types of the styles of Polycleitos, Praxiteles, and Lysippos; a head of Ares may perhaps go back to the lost work of Scopas, and an archaistic bust of Hermes recalls that of Alcamenes. Bowyer Sale (Christie's, Feb. 16, 1906), No. 214.

18. Model of a circular building, perhaps an oven, with a figure of an actor standing in a niche in front.

19. Eagle with wreath in beak, standing on a *boucranium*; the whole on a column.

20. Aphrodite with Eros on her shoulders, on a base with relief of Erotes mixing wine.

21. Two grotesque phallic figures in short skirts.

22. Four tragic masks and two palmettes in white plaster, painted; these have perhaps formed part of the decoration of a sarcophagus.

18-22 from Olbia.

23. Eros flying, posed so as to indicate an upward motion.

24. Eros, with golden wings and pink drapery, flying.

25. Youth holding a whelp in his arms; a wolf standing at his feet; he wears an elaborate head dress.

26. Boy wearing Phrygian cap and playing pan-pipes. From Amphipolis.

27. Goddess of archaic style, holding a ring or wreath; painted black and red. At the back is a panel, which is pierced for suspension. Terracottas of this style have been found in Cyprus. From Asia Minor.

28. Seated girl holding a bird, which nestles at her neck, and a bunch of grapes. From Trebizond.

29. Seal-impression: the statue of a divinity with two winged figures hovering at its head; below, a ladder and an

amphora. The design may be connected with the statue of Jupiter at Heliopolis, as represented in the coin-types of that place. From Rhodes.

30. Comic actor in a white hooded tunic and yellow trousers.

31. Old man seated, draped. Fine and minute work.

32. Woman seated, holding an infant.

33. Woman standing.

34. Horse laden with faggots and ridden by a boy.

32-34 are figures of primitive style, from Boeotia.

#### XI.—Pottery.

1. Three Roman lamps: a sea-scene with harbour; a bull struggling with three men; a Satyr's mask.

2. Vase in shape of two Cupids wrestling.

A specimen of modern imitation of the antique.

3. Kylix of Mycenaean style; design of two goats springing up at a tree.

4. Amphora of unusual form, with geometric decoration. From Boeotia.

5. Kantharos of Boeotian style; grotesque designs of a head of Athena, cock and hens, in white on black.

6. Pyxis, red-figure ware; women at play; one of them is juggling with five balls, and another has a curious frame which is perhaps for weaving or needlework. On the ground is a bird in a cage.

7. Vase in shape of Eros riding on a panther.

8. Vase in shape of a winged figure with a tambourine, dancing.

9. A series of vases of Pontic style, in the shapes of grotesque male heads, Seilenos on a wine-skin, a crouching male figure, a horse's head, a lion, and a dog.

10. Amphora, late imitation of black-figure ware: a combat of two men, and a footrace.

11. Two amphorae, black ware, with twisted handles and plastic ornaments.

12. Bowl with patterns in relief outside: vines, goats, birds; and in the centre the head of a goddess in a turreted crown, inscribed ΠΟΙΔΟC (?).

13. Cylindrical receptacle with rings hung underneath, on a stand supported by lion's feet.

9-13 from Olbia.

14. Krater, red-figure ware; Dionysos, Persophone, and their attendants. The subjects are perhaps connected with the celebration of the Mysteries.

15. Kylix, red-figure ware, signed by the artist Pamphaios : on the exterior, footraces of armed men, and in the interior, an armed runner.

16. Vase in the shape of Eros standing among flowers.

17. Vase in the shape of a Maenad's head, hooded in a panther skin. Black ware. From Rhodes.

18. Cup, Etruscan *bucchero nero*, with a frieze representing worshippers bringing offerings to seated figures.

*By Donation.*

I.—1. Marble statuette of a boy holding a rabbit. Head and right arm wanting. Graeco-Roman.

2. Marble capital of a Corinthian pilaster, enriched with a group of Leda and the swan. Late Roman.

*Acquired in Greece by the late Admiral Spratt ;  
and presented by Colonel W. Spratt-Bowring, R.E.*

II.—A series of antiquities from various sites in Crete, found in excavations conducted chiefly by the British School at Athens.

1. A large number of vases, lamps, and pottery fragments with miscellaneous objects of the Neolithic Age, bone implements and stone vessels, from Palaikastro.

2. Painted pottery, a lamp and statuette of a bull, from the Dictaeon cave.

3. Primitive pottery and stone objects, from Knossos.

4. Very primitive votive offerings in terracotta, from the sanctuary site of Petsofà.

*Presented by the Committee of the  
British School at Athens.*

III.—Plasma portrait bust of Agrippina the Elder in the style of the early Empire. (*Le Musée*, 1905, p. 192, fig. 6 ; *Burlington Magazine*, 1907, p. 99.)

*Presented by an anonymous donor.*

IV.—1. Terracotta statuette of a boy seated on a rock, with a dog which leaps up at his side.

2. Fragment of gold band, stamped with a meander pattern.

3. Fragment of ivory carved with a lotus pattern.

2-3 from a tomb at Corinth.

4. Fictile vase surmounted by a woman's head.

5. Terracotta head of a girl wearing a coif.

4-5 are specimens of modern imitation of the antique.

*Presented by M. Costis Lembessis.*

V. Fragment of Arretine ware, with rivet showing an ancient method of repairing ; the rivet is in the form of double dovetail.

*Presented by G. A. Simmons, Esq.*

VI. Fragment of Attic red-figure ware, showing a woman holding her dress in her teeth while she fastens her girdle. From Naucratis.

*Presented by D. G. Hogarth, Esq.*

VII. A series of 85 casts of fragments of the Pediments and Metopes of the Parthenon, taken from originals at Athens.

*Presented by the Greek Government, through  
M. P. Kavvadias, Ephor-General  
of Antiquities at Athens.*

VIII. A series of objects from excavations at Behnesa.

1. Blade bone of an ox, with accounts written in ink in Greek.
2. Part of an ivory panel with the figure of a woman incised and coloured.
3. Part of a bone cylinder with Europa riding on the bull, incised and coloured red.
4. Bone bodkin.
5. Bone head of youth, from a knife handle.
6. Bronze netting needle and tweezers.
7. Dog in blue and green faïence, and three pieces of variegated glass for inlaying.
8. Cross of twisted grass, paint-brush of reed and wool, and a brush made of bristles.
9. Base of a pottery bowl, with design of a parrot in bright colours.

*Presented by the Committee of the  
Egypt Exploration Fund.*

IX. A series of antiquities forming part of those found in the excavations conducted by the British Museum on the site of the Artemision at Ephesus, in 1904-5.

1. *Gold and Electrum*.—A female statuette, and 5 hawks; 2 hawk-brooches and others; 10 pins and many pinheads, beads and pendants; 25 earrings, and a large number of appliqué ornaments.
2. *Silver*.—A male statuette, and 2 hawks; bracelets and rings, pins, pinheads, beads, and pendants; 22 earrings.
3. *Bronze*.—Female statuette, a hawk, a duck, and a dolphin; bracelets and rings, fibulae, earrings, pins, and a vase.
4. *Lead and Iron*.—A bracelet and other pieces.
5. *Marble*.—A lamp, and many sculptured and architectural fragments of the Temples.
6. *Terracotta*.—Some statuettes and fragments, loom-weights, and spindle-whorls.

7. *Glass and Faïence*.—A hawk and a hawk's head, fragments of a bowl, beads, and spindle-whorls.

8. *Amber and Precious Stones*.—Beads, pendants, seal-stones and fragments, mostly of crystal.

9. *Natural Bones and Shells*.—Various specimens.

10. *Ivory*.—Fragmentary statuettes of birds, a flute, many pins, astragali, and plaques.

11. *Pottery*.—A large series of fragments of early Greek wares.

*Presented by the Imperial Ottoman Government.*

X. A stone pestle, found at Aquileia.

*Presented by Sir John Evans, K.C.B.*

XI. Seven drawings of Athens made by H. R. Ricardo between November 1845 and February 1847.

*Presented by Halsey Ricardo, Esq.*

*Cecil Smith.*



DEPARTMENT OF BRITISH AND MEDIEVAL ANTIQUITIES AND  
ETHNOGRAPHY.I.—*Arrangement, Cataloguing, etc.*

*Prehistoric Section.*—Permanent labels have been provided for British, French, and German neolithic flints. A new table-case has been placed in position near the model of Stonehenge, containing a similar model of the stone-circle known as Arbor Low, Derbyshire, excavated for the British Association in 1901-2; and the worked flints found during the excavation are exhibited in the lower part of Table-case G, adjoining. A classification of the different phases of the Neolithic period has been added to the Stone Age gallery, and bronze vessels believed to be water-clocks of the Early Iron Age grouped together in Wall-case 14.

*Late-Keltic and Gaulish Sections.*—The lower portions of Table-cases O and P have been refitted and utilised for the exhibition of the Roman and other glass in the Morel collection, acquired in 1901.

*Romano-British Section.*—Progress has been made with the catalogue of Roman pottery found in Britain, which is to be published with that in the Department of Greek and Roman Antiquities; and a second diagram of Gallo-Roman red-ware affixed to the screen. The collection of red-ware fragments has been arranged in drawers with labels. In the Roman gallery on the ground floor several inscribed stones found in Britain have been permanently labelled.

*Anglo-Saxon Room.*—The remaining table-cases have been furnished with sets of drawers, and the stored portion of the collection re-arranged. New labels have been provided for the series of weapons in table-case G.

*Medieval Room.*—The permanent labelling of the plaquette collection has been continued, and the series of chessmen, draughtsmen, etc., similarly treated. Various alterations have been made in the fittings of the wall-cases and frames of ornamental leather-work and needlework affixed to the wall.

*Glass and Ceramic Room.*—The collection of Persian pottery has been re-arranged and labelled.

*Asiatic Saloon.*—The Chinese porcelain with armorial and European subjects has been re-arranged, as well as the whole series of Japanese pottery and porcelain. The Stein collection from Chinese Turkestan, formerly exhibited on loan in Wall-cases 92-100, has been checked, distributed, and in part packed and despatched to India; and progress

has been made with the mounting of the portion of the collection presented to the Trustees, and with the Hoernle collection from the same region.

*Gallery of Religions.*—Two large Hindu carvings and one Javanese sculpture have been mounted on plinths and placed in position.

*Ethnographical Gallery.*—The Australian series has been labelled and re-arranged in six wall-cases and two table-cases. New Zealand feather cloaks have been examined and repacked.

Micronesian ornaments have been exhibited in three frames and a table-case. The collection from the aborigines of the Malay States has been partly re-arranged and re-labelled; and the North-west Coast pipes and ornaments mounted and exhibited in drawers accessible to the public.

*American Room.*—The West Indian collection has been checked and re-arranged, and the series of Mexican mosaics re-arranged in a new standard case. The Bolivar and Manson collections of Peruvian antiquities have been exhibited, the textiles being mounted in frames and placed in an upright case.

*Registration, etc.*—The registration of current acquisitions has been continued, and 2,661 objects have been added, including ethnographical specimens.

Photographs to the number of 186 have been taken in the Department for purposes of illustration and reference, and 36 extra prints prepared. Typewritten labels to the number of 1,008 have been cut and bordered; 87 mounting boards papered, and 815 objects mounted. There have been prepared 619 blocks, labels, frames, plinths, and miscellaneous fittings, and labels have been printed in the Department.

Registration numbers have been painted on 2,033 specimens and 891 permanent labels written.

*Catalogues.*—The Guide to the Mediæval Room has been passed through the press and was published in March. A catalogue of ivory carvings has been begun and photographic plates prepared for the same. The slip-catalogue of Chinese porcelain has been completed; also a similar catalogue of Japanese pottery and porcelain. Progress has been made with the Guide to the Ethnographical Gallery, and the catalogue of Roman pottery has been revised in proof.

*Students.*—Three thousand two hundred and fifty-four students and visitors have been received in the Department. The Battersea Field Club, Selborne Society, Ealing Microscopical Society, Barnsbury Park School, and Rev. J. Evans' party have been conducted through various sections of the Department by members of the staff.

II.—*Acquisitions.*(1.) *Prehistoric and Early British Antiquities:—*

(a.) *Stone Age.*—A flint of eolithic type from Hatfield, Herts, and a glossy flint borer from Knowle Farm Quarry, Savernake, Wilts; given by Rev. H. G. O. Kendall.

Wedge-like flint implement found 25–30 ft. deep in gravel above the London clay at Eccleston Street East, Pimlico, with the split bone of a bison (?); given by T. W. Moss, Esq.

Three teeth of a shark (*Carcharodon Rondeleti*) with the basal portion pierced by a boring mollusc in a manner suggesting human work, from the Norwich crag (Backhouse collection); given by C. H. Read, Esq., F.S.A.

A remarkable polished celt of jade-like stone, of a type rarely found in Britain, from the Thames at Vauxhall Bridge; and an unpolished implement from the Thames at Hammersmith.

Polished flint celt from Takeley, Dunmow, Essex; given by C. H. Read, Esq., F.S.A.

A series of small worked flints found by the donor in the St. Clether district, Cornwall; given by Henry Dewey, Esq.

The flint knives, arrow-heads, and worked flints found during excavations by Mr. St. George Gray on behalf of a committee of the British Association, at the stone-circle of Arbor Low, Derbyshire, described and illustrated in *Archæologia*, LVIII. 461; given by the British Association.

A series of small flint instruments and arrowheads found with pottery fragments in sand-hills near Stranraer, Wigtownshire; given by C. H. Read, Esq., F.S.A.

(b.) *Bronze Age.*—Bronze celt of early type with herring-bone markings on both faces, found at Copthorn (Shropshire?)

Bronze palstave without loop, found on the east side of the Minories, London, 18 ft. deep; given by C. H. Read, Esq., F.S.A.

A gold hoard of 10 oz. Troy, dating from the late Bronze Age and comprising 9 bracelets of various forms and weights, the latter being in the proportion of 8, 4, 2, 1, and indicating their use as currency; found near the hoard reported last year, in a gravel pit at Bexley, Kent, and, like that hoard, purchased from H.M. Treasury as Treasure Trove.

Implements of stone and flint, worked bones, pottery and bronze brooches of the second century, A.D., found during excavations in Ravencliffe Cave, Bakewell, Derbyshire, 1906, and given by the Exploration Committee through W. Storrs Fox, Esq.

(c.) *Early Iron Age.*—A cordoned bronze bucket of unusual interest, with a pair of arched movable handles

and in perfect condition, found during excavations for the Brooklands motor-track, Weybridge, Surrey, and given by William Dale, Esq., F.S.A. This specimen is the first found in Britain, and dates from the Hallstatt period (earliest Iron Age of the Continent), being made for export in North Italy about the seventh century, B.C. It is figured and described in *Proceedings of the Society of Antiquaries of London*, vol. xxi., p. 464.

Pottery and wood fragments dredged from the Thames at London.

(d.) *Foreign*.—A series of flints from upper miocene beds in the Cantal (Puy Courny and Puy de Boudieu), and typical specimens from Belgium illustrating the Mesvin, Strépy, Flénu, Campigny, and Robenhausen periods of the Stone Age, as classified by the donor, Dr. Alfred Rutot.

Three chert palæolithic implements found near Carmanico, province of Chieti, Italy; given by D. I. Bushnell, Esq., Junior.

Flint core, disc, and flakes from Dépt. Vienne, and two implements from Montiers, Dépt. Somme; given by Dr. Paul Raymond.

A series of neolithic flint hammerstone and pot-boilers from northern France, collected and given by M. A. Durdan.

Stone maul or pick of the 12th dynasty, offering-tray of pottery (10th dynasty?), and reed baskets (15th–18th dynasty), from Rifeh, Egypt; given by the British School of Archæology in Egypt, through Prof. Flinders Petrie.

A stone celt of wedge pattern and another with oval section and chisel edge from Mergui district, Lower Burma; given by Maung Maung and R. Grant Brown, Esq., I.C.S.

Terra-cotta ring-stand for pottery urns, of the Early Iron Age, found with others near Linares, prov. of Jaen, Spain, and described in *Revue Archéologique*, 1906, pt. ii.; given by Horace Sandars, Esq., F.S.A.

(2.) *Romano-British*:—

Cinerary urn and bowl of black ware found during excavations for the Birkbeck Bank, High Holborn, about 1897; given by C. F. Ravenscroft, Esq.

Circular mount for furniture, with bust in relief, dug up near Redland, Bristol; and an enamelled hinged brooch of bronze, from Castle Hill, Huddersfield; given by C. H. Read, Esq., F.S.A.

Copper cake with defaced Roman stamps, found near Capel Curig, Carnedd Llewelyn, Snowdon, and two fragments of rough copper from the Thames.

(3.) *Anglo-Saxon and Foreign Teutonic* :—

Bronze trefoil-headed brooch from Naseby Field, Northants: an enamelled escutcheon from a hanging bowl; a Frankish inlaid brooch of wheel-pattern, and girdle-plate inlaid with silver; given by C. H. Read, Esq., F.S.A.

A remarkable series of silver personal ornaments and ingots, including a massive engraved bracelet, another of torc pattern, finger-rings, and ear-rings of various patterns, found together with gold objects and enamelled medallions at Kieff, S. Russia, 1906, in a casket 7-8 ft. below the surface; the hoard is shown by the presence of coins of Vladimir I. (988-1015) to belong to the 11th century; given by J. Pierpont Morgan, Esq.

(4.) *Mediæval and Later* :—

(a.) *British*.—Portion of a monumental brass with bare feet of standing figure, about 1500; and on reverse inscription about 1520, from the Plowright collection; given by Mill Stephenson, Esq., F.S.A.

A hoard of seven silver spoons, some bearing dates from 1586-1632, found together at Netherhampton, Wilts; purchased from H.M. Treasury as Treasure Trove.

Iron key with drop wards found on the site of Newgate prison; given by Siegfried Bendit, Esq.

Winchester quart and half-pint measures from Barford Stodden and Willey Hundreds, Beds, 1822; and another bearing the arms of Westminster and date 1763; given by C. H. Read, Esq., F.S.A.

Brass tobacco-box with view of Rotterdam, engraved in front "James Wood, 1759"; given by C. R. Jennings, Esq.

Nine glass cameo portraits by Tassie, including one of the Earl of Rochford, 1774; and a wax portrait of Rev. Robert Hall, of Leicester, by T. R. Poole, 1815; given by Max Rosenheim, Esq., F.S.A., through the National Art Collections Fund.

Pillow and stand for lace-making from Bucks, an obsolete implement for thatching, and a hand-plough; given by J. Edge-Partington, Esq.

(b.) *Foreign*.—A remarkable specimen of Carolingian carving, consisting of a panel of whale-bone 11½ in. long, representing David dictating the Psalms, the king enthroned between soldiers on the right, and on the left four scribes writing with a coffer between them. It has been subsequently used as a cover of a casket, the edges being pierced for hinges and lock; and was found about 1845 in Thos. Crumwell's house at Hoxton, London. It dates from the 9th century, and is on a larger scale than the panel with similar

subject at the Louvre. Given by the National Art Collections Fund, and illustrated in the *Reliquary and Illustrated Archaeologist*, vol. xi. (1905), frontispiece.

Jasper equal-armed cross with gold medallions on either side at the centre, with cloisonné enamels of Our Lord and St. George, and a similar medallion of St. Gregory in crescent gold mount, found at Stamboul: Byzantine, 11th century.

Bone panel carved in Byzantine style, with a vine-scroll enclosing baskets and grapes, given with other objects from *Oxyrrhynchus* by the Egypt Exploration Fund.

Piece of silk brocade, Saracenic, about 1200; bronze 2 oz. weights of Beziers (Hérault), and of Nismes (Gard), and 4 oz. weight of Beziers, 13th century, and bronze mount of a martingale (?) once enamelled; given by C. H. Read, Esq., F.S.A.

Copper-gilt reliquary with openwork faces, birds in medallions, and numerous glass settings, of the 12th century; Limoges enamelled bookcover with Our Lord and the Evangelistic symbols, and panel from a reliquary representing the martyrdom of St. Thomas of Canterbury, early 13th century; a square panel enamelled with the figure of a saint on blue ground; a brass Icon with Russian enamel, silver-gilt badge once set with stones, and agate pommel of a sword, Italian, 14th century; all from the collection of the late Albert Way, F.S.A.

Wooden bust of a young lady, Italian, 16th century; given by Alfred A. de Pass, Esq.

Bronze pommel of a dagger, enamelled on both sides with coats of arms, (1) a lion rampant, (2) a fesse between bezants, azure, 15th century; obtained in Palestine and given by Henry Wallis, Esq.

Tortoise-shell medallion pressed with intaglio of Louis XVI.; given by A. W. F. Fuller, Esq.

(5.) *Ceramic and Glass Collections*:—

(a.) *Oriental Wares*.—Long-necked bottle enamelled in blue and lusted, of the 13th century, found near Aleppo, Syria.

Bowl with creamy glaze and marbling in colours, found imbedded in a wall at Jerusalem; and modern copy of a Turkish faïence dish; given by C. H. Read, Esq., F.S.A.

Three unusually fine glazed bowls and a jug with black and coloured designs, said to be from excavations at Sultana, Irak, Persia, and dating from the 12th or 13th century.

Four star-shaped tiles with floral designs, and one square blue tile with Arabic characters in relief: Persian, of the 13th and 14th centuries; obtained at Teheran, and given by

Sir Thos. D. Gibson Carmichael, Bt., through the National Art Collections Fund.

A number of glazed bowls, fragments, and wasters of Persian ware, said to have been found in excavations at Rakka, Aleppo.

Series of glazed tiles made up like mosaic, of various colours, from the Musalla at Herat, a place of prayer pulled down by order of the Amir in 1885; given by Hon. Col. C. E. Yate, C.S.I., C.M.G.

Bowl of Persian narghili with turquoise glaze and open-work metal covering; given by Sydney Vacher, Esq.

Celadon ware bowls, vases, and figures of animals, collected by Mr. Graham on the site of the old kilns at Sawankalok, central Siam.

Part of a large Burmese glazed tile, with horse-headed human figure in relief, probably 15th century; given by A. A. de Pass, Esq.

Ridge-tiles and antefixes with blue and yellow glazes, from a temple in Pekin and the great Lama temple, Huang Ssü; given by C. H. Read, Esq., F.S.A.

Glazed cylindrical vase in the form of an open book, with landscape scene and inscription, Japanese; given by Sir H. H. Howorth, K.C.I.E.

(b.) *Continental*.—Five reproductions of glazed mediæval dishes in Italy, one with a fish being at S. Apollinare in Classe, Ravenna; and the rest built into a campanile wall in Italy; given by Henry Wallis, Esq.

(c.) *English*.—Tall jug of brown ware found in London; given by H. Curwen, Esq.

Glazed jug with incised chevrons and inscription, "Mary Tucker, London, 1629."

Cider-mug of buff ware with brown markings, of the 17th century, said to have been found in Bishopsgate; given by Robert Steele, Esq.

Tankard with brown glaze and inscription "Hark, hark, Woodman," and date 1854, made at Howcans, near Halifax; given by H. Ling Roth, Esq.

Delft mug, pots, and fragments with cockspur, found in Tooley Street, Southwark, 17th century; given by G. F. Lawrence, Esq.

Fragments and wasters found on the site of potteries at Crich, Derbyshire; given by M. Salt, Esq.

Jasper-ware vase-label with blue dotted border, inscribed "By J. Wedgwood, F.R.S.," and used in his showroom; given by C. H. Read, Esq., F.S.A.

Jasper-ware figure of Hebe, marked "Wedgwood"; given by G. H. Vyze, Esq.

Three pottery stamps with letters, and a crucible stamped "Battersea Works"; given by A. W. F. Fuller, Esq.

Porcelain plate in blue, red, and gold, marked "Spode"; given by St. George Littledale, Esq.

Vase with lustre decoration in imitation of a Persian model, made by Pilkingtons, 1907; given by William Burton, Esq.

Two terra-cotta water-bottles made by Crossley of Comondale; given by Arthur Hurst, Esq.

Seven small plain pavement-tiles with brown glaze, from a late 14th century chapel, St. Augustine's, Canterbury; given by W. H. St. John Hope, Esq.

Tile with fleur-de-lys design, dated about 1700, found on the site of an old pottery at Muddlebridge, Fremington, near Barnstaple, Devon; given by R. Manderson, Esq.

(d.) *Glass*.—Two phials and fragments of twisted bracelets from Oxyrrhynchus; given by the Egypt Exploration Fund.

Jug blown in a mould, with vandyke patterns, found at Nippur, Babylonia.

Two vases of Bristol ware, with slight vertical ribs, late 18th century; given by T. Charbonnier, Esq.

Standing cup of deep blue colour, with cover and cypher of Sophia Charlotte, Queen of Prussia (1668–1705).

(6.) *Collection illustrating various Religions* :—

(a.) *Buddhism*.—Seven brass Chinese Lamaistic figures from Peking.

Japanese Buddhist figure in gilt wood, with elaborate pedestal, from Japan.

Head of stone figure of Buddha fasting of the Græco-Bactrian period; given by Col. F. G. Mainwaring.

(7.) *Oriental and Ethnographical* :—

*Asia*.—Part of the valuable series of antiquities discovered by Dr. M. A. Stein in Chinese Turkestan during 1900–1, the remainder being assigned to the Calcutta and Lahore museums. It comprises 250 objects of terra-cotta, stone, bronze, wood, glass, and textile, mostly illustrated in *Ancient Khotan*, by M. A. Stein, and the principal sites represented are Yangi-Arik, Togujai, Yötkan, Dandan-Uiliq, Niya, Endere, and Rawak-Vihära. The series dates from about the 3rd to 8th century of our era, and includes statuettes, panel and fresco paintings, furniture, seals, and Buddhist stucco reliefs; given by the Secretary of State for India in Council.

Iron spearhead, with socket inlaid with silver, probably from Hither Asia, but obtained in Somerset; given by Wallis Cash, Esq.



A quiver and arrows from the North West Provinces of India; given by Lady Gatacre.

A bronze weight in the form of a duck, from Burina; given by J. L. Holmes, Esq.

Apparatus for applying lac to the teeth, folding candlesticks, a saké-heater, and three weapons from Japan, and three silver amulet cases from Ceylon; given by C. Lund, Esq.

Copper-gilt pilaf dish, Turkish, 17th century; given by H. W. Murray, Esq.

Two bronze armlets of a type represented in the Treasure of the Oxus, and probably from that district; given by C. H. Read, Esq., F.S.A.

A set of cubical boxes fitting into one another and engraved as seals, Chinese; given by Max Rosenheim, Esq., F.S.A.

A silk scarf and two *sarong* with unusually elaborate dyed ornament from Sumatra, and a silver filigree pipe inscribed "The work of *Muhammad Mukūn Sāhib* (?), *Aslamī Nu'māngīrī of Siripul*"; given by Mrs. Eustace Smith.

Four Assamese spears; given by Mrs. Stillwell.

A loom from the island of Sermatta.

*Africa*.—A large and very important series of ornaments, weapons, utensils, musical instruments, etc., from the little-known tribes of the Kwilu watershed, Congo Free State; collected by Emil Torday, Esq. (See "Journal of the Anthropological Institute," Vol. XXXV. 398, XXXVI., 39 and 272, and XXXVII., 133).

A large collection of ornaments, weapons, etc., chiefly from the Nandi of the East Africa Protectorate; collected and given by A. C. Hollis, Esq., Secretary to the Protectorate.

A series of objects from the tribes of the province of Bauchi, Southern Nigeria; given by Sir H. H. Howorth, K.C.I.E.

A series of paper squeezes of Bushman rock carvings; given by Rev. G. C. Robinson.

Pottery and jewellery from the Kabyles of Algeria; objects from the Tuareg; textiles and a copper dish from Algeria, the latter inscribed "*The owner is the Haji Ahmad Budurbah; year 1124*" (A.D. 1712); given by Mrs. Eustace Smith.

Five steatite figures from Sierra Leone.

An axe from S.E. Africa, three wooden combs from Kwango, and two shields from the Semliki Valley.

*Oceania*.—A jade club (*mere*) of unusual perfection of workmanship. This specimen is distinguished by the fact that the handle is carved to represent a bird's head, a

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peculiarity not hitherto observed in clubs of this material.  
Given by C. H. Read, Esq., F.S.A.

A series of six so-called "Gravestones" from New South Wales, Australia. Given by Graham Officer, Esq.

A model canoe from Niué (Savage Island).

*America.*—An obsidian mask and mirror, and a jadeite dagger. All three objects are of unusually fine work, and are of great interest and value in the Collection; they were collected by the late Right Hon. Sir E. Thornton, G.C.B., while serving as an attaché in Mexico; given by the Misses Thornton.

A large and very important collection of Peruvian antiquities, including gold and silver vessels and ornaments, feather- and mosaic-work, copper utensils and ornaments, implements and materials used in the manufacture of textile fabrics, and a large series of textiles and pottery vases; collected in the provinces of Pacasmayo, La Libertad, and Ancachs, by Dr. de Bolivar.

An interesting series of ancient Peruvian textiles; given by Sir Patrick Manson, K.C.M.G., F.R.S.

A collection of shell implements and pendants from the "Ten Thousand Islands" off the coast of Florida; collected and given by Clarence B. Moore, Esq.

Five stone arrowheads from Ontario; given by Arthur Reynolds, Esq.

Four ancient Peruvian vases; given by J. J. Stevenson, Esq.

An interesting gold ornament from Colombia, representing eight men playing various musical instruments.

A shale bowl and a wooden comb inlaid with *haliotis* shell, both unusually fine specimens, from Queen Charlotte Island.

A doll and a pair of sandals from an ancient grave in Peru.

#### CHRISTY COLLECTION.

During the year 78 objects have been entered in the Registration Catalogue. The Christy Trustees have acquired by donation and exchange the following objects, which they have transferred to the Trustees of the British Museum:—

##### I.—*Prehistoric Antiquities of Europe, Asia, and Africa*:—

*Exchange.*—Three palæoliths from the Kempston beds, Bedford.

II.—*Ethnography of Asia* :—

*Donations.*—A “sacred” kris from Java; given by D. Croll, Esq.

Three clay tablets with Buddhist formulæ from a cave near Mat Harn in the Province of Trang, Siamese Malay States; given by W. A. Graham, Esq.

Two wooden buckets from Siam; given by T. A. Joyce, Esq.

Prepared skull from the collection of a Dyak head-hunter, Borneo; given by M. Little, Esq.

Persian knife and sheath; given by B. D. Passa, Esq.

Chinese glaive, taken at the battle of Peking; given by C. H. Read, Esq., F.S.A.

Pair of spectacles formerly worn by the Abbot of N'Gantse monastery, Tibet; given by Max Rosenheim, Esq., F.S.A.

A shield and a tobacco-pipe from Sarawak; given by R. H. Shelford, Esq.

A model canoe from Ceylon; given by N.W. Thomas, Esq.

III.—*Ethnography of Africa* :—

*Donations.*—Specimens of Ajawa, carving from British Central Africa; given by R. H. B. Blair, Esq.

A steatite carving from Mendiland, Sierra Leone; given by A. W. Boddy, Esq.

A *marimba* and a number of fetish objects from the Gold Coast; given by Miss Hart Davis.

Musical instruments, etc., from the Western Sudan, a loom and a pottery vase from Nigeria; given by A. W. F. Fuller, Esq.

An earthenware vessel from K'pando, Togoland; given by E. T. Gikunoo, Esq.

A gourd pipe, a horn, and a belt from Uganda; given by G. C. Ishmael, Esq.

The outfit of a Munyoro wizard, from Uganda; given by G. P. V. Jervoise, Esq.

The bed of a Nigerian chief; given by J. C. Sciortino, Esq.

A basket from East Africa; given by R. Phené Spiers, Esq., F.R.I.B.A.

An ethnographical series from the Benué River, Nigeria; given by D. W. Webster, Esq.

IV.—*Ethnography of Oceania and Australia* :

*Donations.*—A shell adze from Bellona, Solomon Islands; given by the Rev. Dr. R. H. Codrington.

Six javelins from the Alligator River, Australia ; given by Norman H. Hardy, Esq.

Tridacna-shell slab, with openwork carving, from the Solomon Islands ; given by W. H. Hazelton, Esq.

Three glass spearheads from Broome, Western Australia ; given by F. G. Montague Powell, Esq.

A series of stone implements from Victoria, Australia ; given by C. H. Read, Esq., F.S.A.

A fragment of prehistoric pottery from British New Guinea ; given by Dr. C. G. Seligmann.

A prepared skull from the New Hebrides ; given by Dr. F. C. Shruballs.

A series of objects from British New Guinea ; given by Dr. W. M. Strong.

A fire-stick from the D'Entrecasteaux group ; given by A. A. Wickham, Esq.

V.—*Antiquities and Ethnography of America* :—

*Donations*.—Pottery vases from Teotihuacan, Mexico ; given by W. A. Caldecott, Esq.

Two photographs of ancient ruins at Xochicalco ; given by J. Cooper Clark, Esq.

Specimens of modern Mexican pottery ; given by C. E. Cooper, Esq.

Glass-headed arrow from Tierra del Fuego ; given by Captain Crawshay.

Throwing-club from the Hopi of Arizona ; given by W. Crewdson, Esq., F.S.A.

Pottery vase and shell figurines from Darien ; given by W. Farquhar, Esq.

Two obsidian spearheads from Honduras ; given by Dr. T. Gann.

Two pottery figures from La Tolita, Ecuador ; given by J. N. Hendry, Esq.

A string-net dress from the Chaco, Paraguay ; given by Sir H. H. Howorth, K.C.I.E.

A series of weapons from the Cachibo Indians of Peru ; given by N. Iconicoff, Esq.

Fur head-dress believed to have belonged to the Indian Chief "Sitting Bull" ; given by J. T. Woolrych-Perowne, Esq.

Neck ornament of jaguar-claws, Bororo Indians, South America ; given by Paul Radin, Esq.

*Charles H. Read.*

## DEPARTMENT OF COINS AND MEDALS.

I.—*Exhibitions.*

The medals exhibited in the corridor have been carefully cleaned.

II.—*Registration and Arrangement.*1. *Greek Series* :—

288 coins from the Parkes Weber collection and 381 recently acquired have been registered and incorporated.

3,256 tickets giving references to the published Catalogues *Parthia*, *Phrygia*, and *Cyprus* have been written and placed in the trays beneath the coins.

12 "Uncertain" coins have been identified.

Rectifications have been made in the Sicilian series, and the series of Etruria and Olbia have been re-arranged and expanded.

The Leopold Hamburger collection of Phœnician and Palestinian coins (about 2,700 specimens) has been examined in detail. A series of Lycian coins, another of Seleucid coins, and five collections chiefly of Palestinian coins have been examined, and selections have been made where desirable.

2. *Roman and Byzantine Series* :—

204 coins from the Parkes Weber collection and 179 recently acquired have been registered and incorporated.

The whole series of Roman medallions has been weighed and the weight noted on a ticket beneath each specimen.

The collection of Becker's forgeries and other spurious Roman coins, including the Italian imitations of the sixteenth century, has been entirely re-arranged in two cabinets, with cards and labels.

A hoard of Roman silver coins found at Icklingham in Suffolk has been examined and a selection made for the Museum. The Weybridge hoard of bronze coins (Diocletian, etc.) has also been examined. Numerous coins from the recent excavations at Corbridge have been examined and identified.

3. *British and Colonial Series* :—

436 coins and medals from the Parkes Weber collection, and 63 from recent acquisitions have been registered and incorporated.

258 eighteenth-century tokens of Scotland from the Freudenthal collection have been incorporated, and the general collection of Scottish tokens has been re-arranged.

Corrections have been made in the series of the coins of William I. and II., and the Anglo-Gallic coinage of Edward III.

The series of casts and electrotypes and the collection of modern forgeries have been expanded.

New heading-cards have been inserted where necessary in the Anglo-Saxon series (cabinets 1 and 2).

A small hoard of silver coins ('Treasure Trove') of Edward VI.—Charles I. found at Cwmnant Tredsdridge, Pendoylan, Wales, has been examined.

#### 4. *Medieval and Modern Series* :—

3,705 coins, medals, and tickets from the Parkes Weber collection have been registered and incorporated. 376 coins and medals from recent acquisitions have also been registered and incorporated. 386 miscellaneous coins, medals, and tokens from the Freudenthal collection have been incorporated, and 977 Spanish coins, being recent acquisitions or specimens from the Parkes Weber and Freudenthal collections, have been incorporated.

1,422 coins, medals, and jetons of Belgium and Holland from the Freudenthal collection have been incorporated in the general collection, which has been expanded and re-arranged with fresh heading-cards.

The whole series of French coins has been re-arranged and re-labelled, and 736 specimens incorporated from the Freudenthal collection, necessitating the expansion of the series from three to five cabinets.

A series of coins of Saxony and Bavaria offered for presentation has been examined, and a selection made.

Progress has been made with the MS. Index to the *Traité de Numismatique* of Engel and Serrure.

Rectifications have been made in the series of Dutch and Italian medals of the Renaissance, and the re-arrangement of the Dutch artistic medals (under Artists' names) has been completed.

The cleaning of the general collection of Italian medals has been begun.

The series of medals, of various countries, too large to be inserted in the ordinary cabinets, has been arranged with new labels in the lower part of the King's Cabinet, which has been fitted for the purpose.

#### 5. *Oriental Series* :—

363 coins from the Parkes Weber collection, and 919 coins recently acquired, have been registered and incorporated. 1,388 coins of China and Japan acquired in past years have been registered.

The Persian series has been expanded, and 557 tickets referring to the Catalogue *Persia* have been written and inserted in the trays.

A series of Oriental coins offered for presentation by Mr. Evelyn Grant Duff has been examined, and a selection made.

807 coins of Annam and the coins of Siam and Cambodia have been arranged. 2,216 coins of Korea, from the Tamba, Morse, and other collections, have been classified according to mints and issues, and fresh heading-cards have been written where necessary.

197 ingots, bars, &c. of Siam, Burma, and the Shan States, acquired in past years, have been classified and incorporated. 32 coins of Tibet have been identified and classified.

About 4,600 coins of the Chinese Empire from the Gardner, Morse, Freudenthal, and other collections have been amalgamated with the general collection and arranged, with heading-cards, under Emperors, mints, and denominations. A separate series has been formed of the Chinese medals and amulets known as "Temple Money."

### III.—Catalogues.

#### 1. CATALOGUES OF GREEK COINS.

*Coins of Phoenicia*, by G. F. Hill.

The coins of Byblus, Cæsarea ad Libanum, Dora, Orthosia, and Sidon have been weighed, arranged, and described. Progress has been made with the historical introduction.

#### 2. CATALOGUES OF ROMAN COINS.

*Roman Republican Coins*, by H. A. Grueber.

The printing of the text of volume I. (594 pages) has been completed, and the text of volume II. has proceeded as far as sig. R, sent to press, and sig. DD, sent for revise. The preparation of the plaster-casts for the illustrations has been continued, and plates have been photographed and sent to press up to Pl. 86.

*Imperial Byzantine Coins*, by Warwick Wroth.

During the course of the year the whole of the text of the two volumes of the work (643 pages in all) has been set up in type. Volume I. (text) has been worked off, and volume II. (text) as far as page 536. The preparation of casts for the illustrations has been continued, and 66 plates have been photographed and passed for final press. The historical Introduction has been written and placed in the printer's hands, and the Index has been begun.

## 3. CATALOGUES OF BRITISH COINS AND MEDALS.

*Medallic Illustrations of the History of Great Britain and Ireland*, by Hawkins, Franks, and Grueber. (Atlas of plates, with letterpress).

The plates and letterpress of Part VI. have been completed, and the Part has been published. Part VII. has also been prepared and published. The selection of the medals for Part VIII. has been begun.

## 4. CATALOGUES OF ORIENTAL COINS.

*Indian Coins.—Andhras and Western Kshatrapas*, by E. J. Rapson.

Signatures H to EE have been sent to press. 18 Plates have been mounted and photographed.

IV.—*Acquisitions.*

The total number of coins and medals added to the Department during the year 1907 was 1,122, of which 39 are of gold, 597 of silver, 454 of bronze, and 32 of other metals.

The following table shows the numbers of the new acquisitions classified according to the several series to which they belong:—

Class.	Gold.	Silver.	Bronze.	Other Metals, &c.	Total.
Greek - - - - -	5	178	265	—	448
Roman - - - - -	11	65	101	—	177
British and Colonial - - - - -	2	25	14	4	45
Mediæval and Modern - - - - -	2	239	26	28	295
Oriental - - - - -	19	90	48	—	157
Total - - - - -	39	597	454	32	1,122

Of the above, 491 have been presented, viz., 15 of gold, 298 of silver, 149 of bronze, and 29 of other metals.

The following is a list of benefactors to the Department of Coins during the past year:—

The Government of Bombay; the Government of the Central Provinces, India; the Government Museum, Madras; the British School of Archæology in Egypt; the Comité Exécutif de l'Exposition de Liège, 1905; the Excavation Committee of the Institute of Archæology, University of Liverpool; Howard Payson Arnold, Esq.; the Right Hon. Viscount Barrington; J. G. Burlison, Esq.; E. Butcher, Esq.; E. G. Coutts, Esq.; A. W. Daughlish, Esq.; Evelyn Grant Duff, Esq.; Sir John Evans, K.C.B.; A. Felsenthal, Esq.; H. A. Grueber, Esq., F.S.A.; F. W. Hasluck, Esq.; C. W. Harrison, Esq.; G. F. Hill, Esq.; Sir Henry H. Howorth, K.C.I.E.;



William J. Hughan, Esq.; Framji Jamasji Thanawala, Esq.; R. A. Inglis, Esq.; Lewis L. Kropf, Esq.; H. F. Locke-King, Esq.; Warren Lugden, Esq.; J. R. McClean, Esq.; J. S. McLennan, Esq.; Miss Constance F. M. Massé; the Deputy Master of the Mint; E. W. Newton, Esq.; Alfred de Pass, Esq.; R. T. Pritchett, Esq. (bequest); H. L. Rabino, Esq.; Augustus Ready, Esq.; J. T. T. Reed, Esq.; Max Rosenheim, Esq., F.S.A.; Samuel Smith, Esq. (bequest); Messrs. Spink and Son; the Rev. L. Harding Squire; H. W. Thomson, Esq.; S. Tulloch, Esq.; A. J. B. Wace, Esq.; Sir Hermann Weber, M.D.; Captain C. P. Wilson; A. M. Woodward, Esq.; Edward Wooler, Esq.; Arthur S. Yeames, Esq.

## REMARKABLE COINS AND MEDALS.

1. *Greek Series* :—

Among the 448 Greek coins added to the National Collection during the year 1907, the following are the most important :—

(a) *Europe* :—

*Italy*.—Etruria. Numerous specimens of the *aes grave* attributed to Clusium, Volsinii, and various other mints, including the series with *obv.* Krater, *rev.* Wheel; *obv.* Footless amphora, *rev.* Wheel; *obv.* Head of double-axe, *rev.* Wheel (with small denominations *struck*); *obv.* Wheel, *rev.* Wheel, countermarked with ivy-leaf, etc. Silver coins of various mints, including four with *obv.* Gorgoneion, *rev.* Star and crescent (Populonia); one with *obv.* Sepia, *rev.* Plain (Populonia); and one with *obv.* Male head and mark of value X, *rev.* Plain (63·6 grains, mint uncertain). Also a large series of struck bronze of Populonia and Vetulonia. All the above Etruscan coins were acquired at the sale of the Strozzi collection.

A rare archaic didrachm of *Cumae*: *obv.* Head of nymph; *rev.* Mussel-shell, with crest of helmet as symbol. From the Strozzi sale.

Two rare Apulian bronze coins, of *Teate* (*obv.* Head of Apollo, *rev.* Man-headed bull) and *Venusia* (nummus with *obv.* Head of Maenad, *rev.* Maenad seated). From the Strozzi sale.

A silver didrachm of *Thurium* in Lucania, of the usual types, with Skylla on Athena's helmet; *symbol*, ivy-leaf. From the Strozzi sale.

Important specimens of the coinage of *Caulonia* (early incuse stater), *Croton* (a rare archaic didrachm, *obv.* Eagle flying, *rev.* Tripod) and *Terina* (stater with the mark Π on both sides). From the Strozzi sale.

*Sicily*.—A very rare, if not unique, gold coin of *Agrigentum*: *obv.* Crab; below, dolphin; *rev.* Eagle on snake. A variety of the coin issued towards the end of the 5th century

with the name of Silanos. Wt. 20·5 grs. From the Strozzi sale.

*Sarmatia*.—A specimen of the exceedingly rare gold half-drachm of *Olbia*: *obv.* Head of Demeter; *rev.* OA Dolphin. Wt. 32·5 grs., cp. Pick, *Ant. Münzen Nordgriechenlands* I., Pl. ix. 18. Also eight dolphin-shaped coins of the same mint, and a large number of varieties of the bronze coinage, autonomous and imperial, of *Olbia*, *Chersonesus*, *Panticapaeum*, *Tyra*, and *Cercine*.

*Thrace*.—16 tetradrachms and 1 drachm of King *Lysimachus*. A very fine tetradrachm of *Aenus*, of severe style, of the end of the 5th century: *obv.* Head of Hermes; inscribed on his petasos, AINI; *rev.* ANTIAΔΑΣ Goat, and horned and goat-footed satyr as symbol. Weight 256·3 grs. A similar specimen of this rare coin is in the Berlin collection.

*Macedon*.—79 tetradrachms, drachms, and half-drachms of Philip II., Alexander the Great, and later kings of Macedon.

*Thessaly*.—A silver drachm (weight 90·8 grs.) of *Larisa*, of the early 5th century: *obv.* Head of the nymph Larisa, facing, of somewhat unusual style; *rev.* ΛΑΡΙΣΑΙ Horse grazing to l. (instead of to r., as is usual on these coins).

*Acarmania*.—A silver stater of *Leucas*, of the early 5th century: *obv.* Pegasus; *rev.* Head of Athena, the hair falling on the neck and tied in a bow at the end. Weight 132 grs. Also two later staters of the same mint, presented by Sir H. H. Howorth, K.C.I.E. A silver coin (13 grs.) of *Stratos*, of the 5th century: *obv.* Horned head of the river-god Acheloös l.; *rev.* Head of nymph Kallirrhoe r.

*Boeotia*.—A silver didrachm (184·2 grs.) of *Orchomenus*, of the period 387–374 B.C.: *obv.* Boeotian shield; *rev.* ΕΡΧΟ Free horse cantering; magistrate's name ΟΠΑ; symbol, ear of corn. Four staters of *Thebes*, of the period 378–335 B.C., with the magistrates' names Amphi . . ., Anti . . ., Diok . . . and Lyki . . ., presented by Sir H. H. Howorth, K.C.I.E.

*Peloponnesus*.—A well preserved bronze coin of Corinth. *obv.* Head of Lucius Verus; *rev.* CLICOR Chimaera springing r. Apparently unpublished.

(b) Asia:—

*Bithynia*.—A large bronze coin of *Cius*: *obv.* Head of Hadrian as Zeus Eleutherios; *rev.* ΑΔΡΙΑΝΗ ΚΙΟC City-goddess with sceptre and turreted crown, sacrificing at altar. A bronze coin of the same mint, of Philip Junior: *rev.* Sarapis with sceptre and wreath in raised r. hand.

*Mysia*.—A sixth of *Cyzicus*, of very pale electrum, c. 450 B.C.; weight 33·3 grs.: *obv.* Bearded centaur kneeling on tunny-fish, wielding a tree trunk; *rev.* Mill-sail incuse square. Cp. Greenwell, *Cyzicus*, No. 46.

*Tonia*.—40 bronze coins of *Magnesia*, of the 4th-3rd centuries B.C. from a hoard: *obv.* Horseman; *rev.* Bull and magistrate's name. This set supplies many names of magistrates.

*Caria*.—A rare bronze coin of *Hydissus*, of Gordian III., with the names of the magistrates (stephanephoroi) M. Aurelius Hermonax and Metrophanes.

*Lycia*.—12 silver coins of the Dynasts of the 5th and 4th centuries, including rare types of *Kuprllis*, *Khäriqa*, and *Sppntaza*. Two bronze coins of the types of Alexander the Great and of the Macedonian interregnum, with the triskeles symbol, showing them to have been struck in Lycia. A bronze coin of *Telmessus*, of the early 3d century B.C.: *obv.* Head of Alexander the Great with ram's horn; *rev.* Panther. ΤΕΛΕΜΗΣΣΕΩΝ and ΠΤ in monogram (for Ptolemy Soter?).

*Pisidia*.—A fine specimen of a rare bronze coin of the colony *Comama*, of the Emperor Geta; *rev.*, Goddess, veiled, standing facing. Presented by Sir Hermann Weber, M.D.

*Syria*.—A silver tetradrachm of *Antiochus I.*, with the types of Alexander the Great, and mint-marks ΣΙ and Κ (reversed). The former may represent Sidon, but there is no other evidence that Sidon belonged to Antiochus I. at the time (soon after 281 B.C.) when this coin was struck.

## 2. Roman and Byzantine Series:—

### (a.) Republic:

A rare denarius struck at the local mint of Hatria: *obv.* Head of Roma; *rev.* Dioscuri and mint-mark Η.

Two bronze trientes of Hatria and Canusium with mint-marks Η and C respectively. From the Imhoof-Blumer collection.

An aureus of M. Antonius (*rev.* P. CLODIVS M.F. IIIIVIR A.P.F. Oriens); three denarii of L. Pinarius Scarpus, L. Mescinius Rufus, M. Durmius, and a quinarius of C. Aurelius. All from the Imhoof-Blumer collection.

### (b.) Empire:

Nine aurei from the Strozzi collection, viz., four of Augustus; reverses (1) S.P.Q.R. CL. V. Victory flying with wreath, and shield on column; (2) S.P.Q.R. Triumphal car in temple; (3) IMPX Bull butting r; (4) IMPX Augustus on platform receiving laurels from two soldiers; one of Domitian; *rev.* TR. POT. II. COS. VIII. DES. X. P.P. Minerva fighting; one of Nerva; *rev.* LIBERTAS PVBLICA; two of Hadrian; reverses (1) ADVENTVS AVG. Roma

receiving Hadrian (2) **COS. III.** The Emperor standing; one of Antoninus Pius; *rev.* **SALVS AVG.** Salus sacrificing.

Six fine "cistophoric medallions" of Hadrian, from the Imhoof-Blumer collection.

A bronze coin of Maximian and four of Allectus, all struck at London, from a find at Shrivenham, Berks.

*Presented by the Rt. Hon. Viscount Barrington.*

73 bronze coins of the tetrarchy (Diocletian and Maximian Augusti, Constantius, and Galerius Cæsares) struck between 296 and 305 A.D., from the Brooklands (Weybridge) Hoard. Of these 60 were *presented by H. E. Locke-King, Esq.*

36 silver siliquæ of the latter half of the fourth century (Julian, Jovian, Valentinian I., Valens, Gratian, Valentinian II., Theodosius, Magnus Maximus, Eugenius, Arcadius), being part of the Treasure Trove of Grovely Wood, Wilts.

11 silver siliquæ of the same period (Valentinian I., Valens, Valentinian II., Theodosius, Arcadius, Honorius) from a hoard found many years ago at Icklingham.

### 3. *British and Colonial Series* :—

#### (a) *Coins* :—

A silver halfpenny of Eadmund of Wessex (A.D. 940-946) with the moneyer's name **BALDVIN**. The halfpenny of this reign was previously unknown.

*Presented by H. A. Grueber, Esq.*

A silver penny of Henry I. struck in London with the reverse type, a cross pattée and the legend **ALFPINE ON LVNDE** in two concentric circles.

5 cut halfpennies and 2 cut farthings of Henry III. recently found at Canterbury. These pieces consist of pennies cut into halves or quarters to pass in circulation at these values.

*Presented by E. Butcher, Esq.*

A bronze seventeenth-century token of Yarm, Yorkshire.

*Presented by E. Wooler, Esq.*

3 penny tokens of Cornwall and Devon; date 1811.

*Presented by E. W. Newton, Esq.*

#### (b) *Medals* :—

A bronze medallion with representation of the "Royal Sovereign," the finest ship in the navy of Charles I. This ship was built in 1637, and in the following year formed the subject of the reverse of the medal by Nicolas Briot. This medallion is also by Briot and appears to be the original model for the matrix of a seal for the Admiralty which was not adopted.

An unpublished bronze medal of Admiral Vernon, struck in 1739 on his departure for Porto Bello.

*Presented by Captain C. P. Wilson.*

An unpublished bronze medal commemorating the defeat of the French fleet off Cape Finisterre in 1747.

A specimen in bronze of the gold "Ramsay Medal" awarded to the most distinguished student in the "Honours Humanity Class" in the University of Glasgow.

*Presented by H. A. Grueber, Esq.*

A bronze portrait medal of William Hughan as a founder of the *Quatuor Coronati* Lodge (No. 2076) of Freemasons.

*Presented by William Hughan, Esq.*

4 *Medieval and Modern Series* :—

(a) Coins :—

A very important series of 129 foreign sterlings of the fourteenth century, imitations of the English silver penny, representing the coinages of Flanders, Hainaut, Namur, Brabant, Liège, Herstal, Loos, Luxemburg, Bar, Toul, Cambrai, Ligny, Rethel, Porcien, the German Empire, Trier, Cologne, Lippe, Schöneck, Heinsberg, Jülich, Gelderland, etc. These were collected by the late Mr. Samuel Smith, who made a special study of the subject.

*Bequeathed by the late Samuel Smith, Esq.*

88 modern silver coins of Saxony and Bavaria.

*Presented by J. R. McClean, Esq.*

(b) Medals :—

A good specimen in lead of the medal by Pisanello of John VIII. Palæologus, Emperor of Constantinople: *obv.* Bust of the Emperor, Greek inscription; *rev.* The Emperor on horseback before a wayside cross; behind him, a mounted squire seen from behind. The artist's signature in Greek and Latin. This medal was made probably at Ferrara on the occasion of the Emperor's visit to Italy for the Councils of Ferrara and Florence (1438-9).

*Presented by Alfred de Pass, Esq.*

A fine silver-gilt medal by Antonio Abondio the Younger: *obv.* Bust of Christ, wearing crown of thorns; signed **AN. AB**; *rev.* Christ standing with the instruments of the Passion, supported by two putti, one of whom holds the Cross.

A bronze portrait-medal (not contemporary) of the painter Francesco Primaticcio.

*Presented by Max Rosenheim, Esq., F.S.A.*

A bronze medal of a Dutch Guild of Armourers: *obv.* St. Eligius; *rev.* Armourer at work. Dutch inscription signifying "He who receives this and does not return it forfeits one pound of wax." Signed **STE. H.** showing it to be by the medallist known as "Stephen of Holland," who worked from 1558-1572.

*Presented by Max Rosenheim, Esq., F.S.A.*

Five silver badges of the Société des Gueux: *obv.* **EN TOVT FIDELES AV ROY** Bust of Philip II. of Spain;

*rev.* **JVSQVE A PORTER LA BESACE.** Clasped hands and two wallets; or, Two Gueux shaking hands. Two of the specimens are dated 1566. These badges were worn by members of the well-known *Société des Gueux* formed in 1566 to resist the Inquisition while maintaining loyalty to the King. *Bequeathed by the late R. T. Pritchett, Esq.*

A modern striking in silver from the Paris Mint of a medal of Louis XV. relating to the foundation and fortification of Louisburg (1720). *Presented by J. S. McLennan, Esq.*

A bronze medal by the artist Godefroid de Vresse in commemoration of the International Exhibition held at Liège in 1905. *Presented by the Comité Exécutif of the Liège Exhibition of 1905.*

5. *Oriental Series*:—

(a) Coins.

12 silver coins of the western Kshatraps Nahapána, 6 of which have been countermarked by the Andhra Gautamiputra. *Presented by the Government of Bombay.*

2 gold Kushán coins of the third century A.D. *Presented by the Government of the Central Provinces of India.*

2 bronze and a silver coin of the white Huns and an early Indian cast coin. *Presented by E. G. Coultts, Esq.*

A copper coin of the Omayyad Khalif Abd-al-Malik, struck at Ammán c. 690 A.D., imitated from the Byzantine.

A dirhem of the Abbasid Khalif Al-Mansur struck at Afreekiyeh, A.H. 144.

*Presented by the British School of Archaeology in Egypt.*

28 silver and copper coins of the Ghaznawees and the Sultans of Delhi; also 3 gold fanams of Vijayanagar.

*Presented by Evelyn Grant Duff, Esq.*

5 silver larins or fish-hook money of Western India found in the Rahiagiri district, Bombay.

*Presented by the Government of Bombay.*

2 gold coins of the Malay State of Achee.

*Presented by H. W. Thomson, Esq.*

28 silver and copper coins of the Bahmanis, the Arab Governors of Sindh, the Moghul Emperors, and the modern State of Kashmir.

*Presented by the Government of the Central Provinces of India.*

14 rupees of the Moghul Emperor Aurangzib from the rarer mints.

4 rupees of the Moghul Emperors, Sháhjahán and Aurangzib. *Presented by S. Tulloch, Esq.*

2 gold, 3 silver, and a copper coin of Nasr-ad-din and Muzaffar-ad-din of Persia.

A gold and a silver coin of Feth-'Ali-Sháh of Persia and a rare dirhem of the Buweyhid Khalif, Azad-ed-daulah, struck at Shiráz, 344 A.H.

10 forgeries of current Persian silver coins and a silver coin (altmishlik) of Seleem III. of Turkey struck at Islámból, A.H. 1204. *Presented by H. L. Rabino, Esq.*

(b) Medals.

A large silver medal struck in 1896 to commemorate the 50th regnal year (Mohammadan reckoning) of Nasr-ad-din, Sháh of Persia. *Presented by Evelyn Grant Duff, Esq.*

17 silver medals of Nasr-ad-din and Muzaffar-ad-din of Persia and a large gold medal struck in 1876 by Nasr-ad-din to commemorate the 100th year of the rule of the Kájár dynasty.

A gold nisár distributed at the funeral in February 1898 of Sultan Abdul Hawad of Selangor.

*Presented by C. W. Harrison, Esq.*

7 gold nisárs of the Moghul Emperors 'Alamgir II., Ahmad Sháh, Mohammad Sháh, Sháh 'Alam, and Bahadur Sháh.

*Presented by Evelyn Grant Duff, Esq.*

V.—*Students and Visitors.*

The number of visits made to the Department of Coins and Medals by students and others during the year 1907 was 4,191.

During part of the month of July and part of August, the department was necessarily closed to visitors and students during the cleaning and re-painting of the Medal Room, corridor, and adjoining studies.

*H. A. Grueber.*

## X.—BRITISH MUSEUM (NATURAL HISTORY).

STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1907.

## GENERAL PROGRESS.

*Visitors.*

The total number of visits recorded as having been made by the public to the Museum during the year 1907 was 497,437, as compared with 472,557 in 1906—an increase of 24,880. The number of visits on Sunday afternoons was 66,367, as against 61,151 in the previous year.

The average daily attendance for all open days was 1,370·3; for week-days only, 1,386; and for Sunday afternoons, 1,276·3.

The time of closing the Museum in the latter half of February has been extended from 4.30 to 5 o'clock.

*Swiney Lectures.*

Dr. R. F. Scharff having postponed the delivery of his second course of lectures on the Swiney foundation until the autumn of 1908, the Trustees appointed Professor J. Cossar Ewart, M.D., Edin., to be Swiney Lecturer for 1907. He selected as the subject "Horses—Past and Present." The lectures, twelve in number, were given in the theatre at the Victoria and Albert Museum (by permission of the Board of Education), in December.

The average attendance for the course was 100 persons per lecture, as compared with 160 for that of 1906.

*Electric Lighting.*

His Majesty's Office of Works has been requested to put in hand the lighting of the Bird Gallery, the Fish Gallery, the Central and North Halls, and the East and West Corridors on the first floor, with inverted arc lamps of an approved pattern.

*Heating and Ventilation.*

The scheme for heating and ventilating the Museum prepared by the Chief Engineer of His Majesty's Office of Works has been approved by the Trustees, and the Lords Commissioners of His Majesty's Treasury have agreed to



provide in the Museum Estimate (Class IV.), 1903-9, for the installation of the new apparatus in the west (Zoological) wing of the building.

*Works, etc.*

The ceiling, walls, and pillars of the Bird Gallery have been whitened, in order to improve the lighting.

The construction of a room over the western corridor to contain the study collection of small mammals is being proceeded with.

On the recommendation of the Chief Officer of the London Fire Brigade, automatic sprinklers for fire protection have been placed in the building containing the collections preserved in spirit; and, for the better security of the Museum, an auxiliary fire main has been provided.

*Expedition to Equatorial Africa.*

By the liberality of several friends of the Museum, who supplied the requisite funds, an exhibition was organized under the leadership of Mr. R. B. Woosnam for the zoological exploration of Mount Ruwenzori in Equatorial Africa. The expedition was successful in obtaining a very fine and valuable collection of specimens of the fauna of the mountain, including a number of new species.

*Gifts.*

The total number of gifts received during the year by the several Departments of the Museum was 2,105, as compared with 2,057 in 1906. Many of these comprised large numbers of individual specimens. The details of the more important of them will be found in the reports of the Keepers of the Departments, but the following may be mentioned as of special interest:—

From the Egyptian Government.—An important series of fishes from the Nile, forming a portion of the collection made by Mr. Leonard Loat during the years 1899-1902, probably the largest collection of fishes from one river ever brought together. The Museum series includes the types of 30 new species.

From His Royal Highness the Prince of Wales.—The skeleton of an Indian elephant from Mysore.

From the Hon. W. Rothschild.—A mounted specimen of a bull of the Alaskan Elk.

From Mr. Boyd Alexander, in the name of the Alexander-Gosling Expedition.—The skin and skull of a male Okapi, and portions of the skin of two other individuals of the same species, obtained by him during his recent journey from Nigeria to the Nile.

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From Major Powell-Cotton.—The skins of an adult male Okapi and a young Okapi, both from the Upper Ituri district of Equatorial Africa.

From Mr. A. O. Walker.—A copy of Paulson's work on the Crustacea of the Red Sea, published in 1875—an exceedingly rare book, of which only 100 copies were printed, only one other copy being known to be in England.

From the Duke of Bedford.—A further series of natural history specimens collected in the Far East by Mr. M. P. Anderson, comprising mammals from Hokkaido, Saghalien, and Mindanao, and birds from Saghalien, etc.

From Professor W. A. Herdman.—A number of sponges, including several type-specimens, collected by him during his investigation upon the Pearl Oyster Fishery of Ceylon.

From Mr. Henry Harvey.—A valuable series of types and figured specimens of shells, selected from the collection of the late Sylvanus Hanley, co-author in 1848-53 of the "History of British Mollusca."

From Mr. F. W. Styan.—A valuable collection of about 10,000 specimens of Chinese birds.

From Miss Glazebrook Rylands.—The important collection of diatoms made by her father, the late Thomas Glazebrook Rylands, consisting of about 6,000 microscope slides and 900 bottles of diatom material, besides a valuable correspondence.

From Mr. R. E. Turner.—A series of 1,893 Australian hymenoptera (including many type-specimens), collected and mounted by himself.

From Mr. Percy C. Tarbutt—A valuable series of minerals from the new mines at Broken Hill, N.W. Rhodesia.

The late Miss Caroline Birley has bequeathed to the Museum her valuable geological and mineralogical collections.

#### *Purchases.*

Among the more important purchases made during the year, special mention may be made of the following :—

The skeleton of an adult male Okapi, obtained by Major Powell-Cotton in the Ituri Forest; the Goodfellow collection of birds from New Guinea and Formosa; a collection made by Mr. G. S. Miller of 4,000 specimens of North American mammals, containing about 400 species, many new to the Museum; models of giant squid and octopus, for exhibition; part of the late Dr. F. Moore's collection of Indian and Malayan butterflies, including 119 type-specimens; a selected series of 150 remains of large extinct lemurs from a swamp of pleistocene age in Madagascar, nearly all the species represented being new to the Museum, and several new to science;

the collection made by the late Professor J. F. Blake of about 7,000 invertebrate fossils from India, Russia, and Britain; a collection of 14,000 brachiopoda and 950 mollusca from the trias of Bosnia; and the first half of the important collection of British sea-weeds made by the late Mr. E. A. L. Batters.

*Exchanges and Gifts of Duplicates.*

Exchanges of duplicate specimens have been made with various institutions and individuals.

The following have been added to the list of institutions to receive grants of duplicate specimens of natural history, viz. :—

The London School of Tropical Medicine; the Northern Polytechnic Institute, London, N.; Croydon Borough Museum, South Norwood; Mansfield Museum; Inverness Museum; and Dundonald Road School, Wimbledon.

The duplicate specimens of mammals and birds in the collection obtained by the Discovery Antarctic Expedition have been distributed among the following institutions :—

Royal Scottish Museum, Edinburgh; National Museum, Dublin; Cambridge University Museum; National Museum, Melbourne; South African Museum, Cape Town; Liverpool Museums; American Museum of Natural History, New York; Thames Nautical Training College, H.M.S. "Worcester"; Oxford University Museum; Christchurch Museum, New Zealand.

From the other duplicate specimens in store selections have been presented as follows :—

Of zoological specimens—to the Evening Education Committee of the Garden City, Letchworth; Bristol Museum; Guy's Hospital Medical School; the Royal Scottish Museum, Edinburgh; Oxford University; St. Andrews University; Plymouth Museum; the Natal Government Museum, Pietermaritzburg; the South Eastern Agricultural College, Wye; the National Museum, Dublin; the Hancock Museum, Newcastle-upon-Tyne; Mr. C. J. With; Professor G. Ulmer; Major H. Mann, for a small local museum at Milton Damerel, N. Devon; Dr. F. Spaeth; Dr. W. van der Weele; Professor J. B. Smith; Mr. A. Grouvelle; Mr. J. G. de Man; Mr. Budde-Lund; Mr. R. Shelford; Mr. P. Lesne; Mr. Martin Jacoby; Mr. S. Schenkling; and Mr. R. Gordon-Smith.

Of fossils and casts of fossils—to University College, London; Professor C. Depéret; Mr. J. A. Stigand; Dr. Otto Reis; and Professor F. Beyschlag.

Of minerals—to Professor J. Joly, of Dublin University; and Dr. F. Zambonini, of Naples University.

Of plants—to the Surveyors' Institution, Westminster.

*Publications.*

The following works on Natural History have been published during the year:—

National Antarctic (Discovery) Expedition, 1901-4. Natural History:—

Vol. I. Geology (Field Geology, by H. T. Ferrar; Petrography, by G. T. Prior, D.Sc.). Pp. xii., 160, 10 plates, 72 text-figures, and 2 maps. 4to. £1 10s.

Vol. II. Zoology. 4 memoirs on Vertebrata, 1 on Pterobranchia, 5 on Mollusca, 1 on Brachiopoda, and 2 on Crustacea. Pp. xiv., 357, 33 plates, 146 text-figures, and 1 map; many of the plates are from original drawings made by Dr. E. A. Wilson in the Antarctic. 4to. £3.

Vol. III. Zoology and Botany. A memoir on Collecting in Antarctic Seas, by Mr. T. V. Hodgson, the naturalist on board the "Discovery," 1 on Pteropoda, 4 on Crustacea, 1 on Pycnogonida, 1 on Acari, 1 on Chaetognatha, 1 on Nematoda, 1 on Cestoda, 3 on Coelentera, 1 on Sponges, 2 on Marine Algæ, and 1 on Mosses. Pp. vi., 273, 51 plates, 8 text-figures, and 1 chart. 4to. £2 10s.

These reports are by various authors, English, French, German, and Belgian, and most have been generously contributed by naturalists not on the staff of the Museum.

Monograph of the Culicidæ, or Mosquitoes. Vol. IV. By Fred. V. Theobald, M.A. Pp. xix., 639, 16 plates, and 297 text-figures. 8vo. £1 12s. 6d.

Catalogue of the Works of Linnæus (and publications more immediately relating thereto) preserved in the Libraries of the British Museum (Bloomsbury) and the British Museum (Natural History). Pp. 27. 4to. 6d.

List of British Seed-plants and Ferns exhibited in the Department of Botany. Pp. 44. 8vo. 4d.

Guide to the Great Game Animals (Ungulata) in the Department of Zoology. Pp. 93, 53 text and other figures. 8vo. 1s.

Guide to the Specimens of the Horse Family (Equidæ) exhibited in the Department of Zoology. Pp. 42, 26 figures. 8vo. 1s.

Guide to the Fossil Invertebrate Animals in the Department of Geology and Palæontology. Pp. ix., 182, 7 plates, and 96 text-figures. 8vo. 1s.

Special Guide, No. 3.—Memorials of Linnæus: a collection of Portraits, Manuscripts, Specimens, and Books exhibited to commemorate the Bicentenary of his Birth. Pp. 16, 2 plates. 8vo. 3d.

New editions have been issued of the Guide to the Coral Gallery, price 1s.; and the pamphlet of Instructions for Collecting Insects, price 3d.

Selections of the natural history publications of the Museum have been sent to Free Libraries and other institutions in Great Britain and Ireland, to Colonial, Indian, and foreign Museums, Libraries, and scientific societies, and to various individuals who have either assisted in the preparation of the volumes or otherwise benefited the Museum; and additions have been made to the publications exchange-list.

The under-mentioned works are in preparation :—

Catalogue of the Library, Vol. III.

National Antarctic Expedition, 1901-4. Natural History Vol. IV., V.

Catalogue of Bats, by Dr. Knud Andersen.

Monograph of the Okapi, by Sir E. Ray Lankester, K.C.B., F.R.S.

Hand-list of Birds, Vol. V., by Dr. R. B. Sharpe.

Catalogue of Birds' Eggs, Vol. V., by W. R. Ogilvie Grant.

Catalogue of the Fresh-water Fishes of Africa, by G. A. Boulenger, F.R.S.

Illustrations of African Blood-sucking Flies, with text by E. E. Austen.

Catalogue of Moths, Vol. VII., by Sir G. F. Hampson, Bart.

Catalogue of Polychæte Worms, by Dr. J. H. Ashworth.

Monograph of British Lichens, Vol. II., by Miss A. L. Smith.

Monograph of the Mycetozoa, second edition, by A. Lister, F.R.S.

Handbook of British Basidiomycetes, by W. G. Smith.

Catalogue of Marine Reptiles of the Oxford Clay, by Dr. C. W. Andrews.

Catalogue of Fossil Fishes, Vol. V., by Dr. A. Smith Woodward, F.R.S.

Catalogue of Cretaceous Bryozoa, Vol. II., by Dr. J. W. Gregory, F.R.S.

Guide to Elephants (Recent and Fossil).

Guide to the Fish Gallery.

Guide to the Exhibited Series of Insects.

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#### GENERAL LIBRARY.

The additions to the General Library during the past year have been :—

By purchase - - - 412 volumes, and 7 maps.

By donation - - - 601 volumes, 21 maps, and  
49 photographs.

By transfer from other

Departments - - - 46 volumes, and 23 maps.

TOTAL - - - 1,059 volumes, 51 maps, and  
49 photographs.

All the volumes and maps have been catalogued, press-marked, and put in their places, while 717 volumes have been bound in 269, 148 have been repaired, and 1 map has been mounted.

The extent of the collection on the 31st of December was 36,901 volumes, 5,666 maps, and 383 photographs (not including those in the Owen Collection of Drawings, &c.).

The accessions to the Departmental Libraries have also been catalogued as they came in, and duplicate transcripts of the titles have been returned with the books.

Altogether 2,372 title-slips have been written, 341 rewritten, and 3,264 revised.

There are now, on a rough estimate, 84,086 volumes (exclusive of continuations and minor separata) and 5,951 maps in the whole building.

The printing of the Catalogue was resumed, and the work at the end of the year stood as follows:—

No. of sheets passed for press (A—Linnæus) - 144

No. of title-slips set up in type (A—Loew) - 33,578

A preprint of the titles of the works under the heading 'Linnæus' was prepared and issued in time for the bicentennial celebrations of the birth of Linnæus. It includes the titles of such other of his works as are represented in the Department of Printed Books, but of which there are no copies in the Natural History Museum.

The identification of the Drawings in the Owen Collection is in progress.

The number of visits paid to the Library during the year by students and others (irrespective of the Staff) was 1,816.

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#### INDEX MUSEUM AND MORPHOLOGICAL COLLECTIONS.

In the Entrance Hall a coloured cast of the Tile-fish, a fish which for several years after the heavy gales of the early part of the year 1882 was supposed to be extinct, has been placed in one of the centre cases, with a map showing the very limited distribution of the fish. In the same case have been added series of animals preserved in formalin, illustrating the nature of the food of the Plaice, Turbot, Sole, and Gurnard.

The series of specimens illustrating the life history of the Eel has been increased by an evenly graded series of *Leptocephalus* of the Freshwater Eel from the Mediterranean, and another of larvæ of the Conger Eel from the same region, also by a mass of Elvers from the Severn and some young Eels from the Thames.

The specimens of *Cephalodiscus nigrescens* and *C. hodgsoni* dredged in the Antarctic Ocean by the "Discovery,"

and another new species, *C. gilchristi*, obtained in the Cape Seas, and the specimen of *C. dodecalophus* dredged by the "Challenger," have been mounted in special exhibition jars, and after being shown for a time in the Entrance Hall have been placed on exhibition in the Shell Gallery.

The series of Crabs showing the extent to which the external appearance, particularly those characters known as secondary sexual characters, may become altered, in consequence of the animal being attacked by the parasite *Sacculina*, has been removed from the eastern side of the Entrance Hall to the Arthropod Gallery.

Two new cases have been constructed for Bay 6 in the Hall, and these are set up obliquely so as to secure the best possible illumination. They are intended for the series of Peas and Maize illustrating the Mendelian hypothesis of inheritance, and for a similar series of cross-bred Mice which is in progress, but not yet complete. Advantage has been taken of the incompleteness of this last series to use one of the cases for the temporary display of a series of Eolithic flint implements presented by Dr. H. P. Blackmore, and, for comparison with these, a selection of Eolithic and Palæolithic implements from the Prestwich Collection.

Much has been done in re-spiriting and remounting such of the anatomical preparations in the Entrance Hall as were in need of attention.

A series of twenty-two wax models illustrating the early development of the mollusc *Crepidula*, presented by the American Museum of Natural History, has been placed on exhibition in a cabinet case in the North Hall.

Experiments have been made to ascertain the best method of storing large skeletons, not required for exhibition, in such a manner that they may occupy the least possible space and yet be freely accessible for purposes of study, and a skeleton of Giraffe has been dismantled and stored in a specially constructed cabinet, to serve as a pattern.

*E. Maunde Thompson,*  
Director and Principal Librarian  
British Museum (Natural History),  
22 February 1908.

## DEPARTMENT OF ZOOLOGY.

I.—*Arrangement and Conservation.*

*Mammalia*.—The repainting of the ceiling of the lower mammal gallery involved the removal from the walls and tops of the cases of all the specimens of skulls, horns, and antlers, as well as of the pictures and labels on the walls. Advantage of this was taken to effect some modifications in the arrangement of the specimens, with the view to their better display.

To accommodate new specimens, and for other reasons, several cases in the lower mammal gallery have been opened up by the removal of the partitions, and thus rendered more effective for the display of their contents; these, as well as certain other cases in both upper and lower mammal galleries, have been painted green, instead of white, inside.

The new elk-case has been installed in the lower mammal gallery, and fitted with artificial ground-work of an effective type.

In the upper mammal gallery the chief work has been the transference of the specimens illustrating the Australian natives from a position among the Negro group to one in the Caucasian series, in accordance with modern anthropological views. This has involved certain changes in other groups; and where such changes have been extensive the opportunity has been taken to repaint the interior of the cases, with the substitution of a green for a white background.

Two new illustrated guide-books have been published, one dealing with Big Game Animals, and the other with the members of the Horse Group, both wild and domesticated.

Many of the descriptive labels in the upper and lower mammal galleries, as well as one in the whale-room, have been revised and reprinted in order to bring them up to date, while several additional labels have been prepared and installed.

Among the presentations added to the exhibition series, are:—Two Gobi Wild Horses, calf of Brindled Gnu, and a young American Tapir, presented by the Duke of Bedford, K.G. Albino Beaver skin, presented by E. J. Halsey, Esq. Model of African Elephant, presented by the Zoological Society. A male and head of female Caucasian Tur, presented by Prince Paul Demidoff. A Platypus, bequeathed by Mrs. Vernon Bell. Head of Hartebeest, presented by Walter Jones, Esq. Photograph of African Pigmies, presented by Sir Benjamin Stone, M.P. Female Forest-pig, presented by Cecil Whitaker, Esq. Young Gorilla, presented by Rowland Ward, Esq. Two Markhor skulls, presented by the Mehtan



of Chitral. Photographs of Sea-Elephants, presented by the Hon. Walter Rothschild, M.P. Skulls of African Antelopes, presented by F. Vaughan Kirby, Esq. An Arabian Oryx, presented by P. B. Vander Byl, Esq. and G. P. Denny, Esq. Two Sambar and one Buffalo skull, presented by Mrs. J. Anderson. Head of Kopet Dagh Urial, presented by Major Kennion. Model of *Megacerops*, presented by R. S. Lull, Esq. Head of a Seladang or Malay Gaur Bull, presented by T. R. Hubble, Esq. Head of Selater's Muntjac, presented by J. H. Teesdale, Esq.

In the Whale Room the model of the Beluga or White Whale has been repainted; and arrangements are in progress for treating the casts of Dolphin-heads on the walls in a similar manner.

For the British Saloon a case to exhibit the characters of the skulls and teeth, and the details of the colouring of the skins of a large number of the smaller mammals has been completed and installed during the year. This has rendered it possible for the student to see at a glance the characteristic features of each species.

The most important presentations to this series are a Badger, from E. C. Hawes, Esq.; photographs of Carnivora and Rodents, from Douglas English, Esq., and five Bats, from Heatley Noble, Esq.

DOMESTICATED ANIMALS:—Several minor alterations have been made in the arrangement of the specimens, with a view, principally, of increasing the available accommodation; and additional descriptive labels have been prepared and printed to illustrate species new to the series.

The following are among the specimens presented to this series during the year:—

A Pariah Dog from Constantincple, presented by Her Grace the Duchess of Bedford. Skeleton of Eskimo Dog, *Arctic King*, presented by A. P. King, Esq. Slughy Hound, presented by the Hon. Florence Amherst. Skull of Bulldog, presented by H. S. Wormsley, Esq. Skull of Great Dane, presented by the Hon. Walter B. Wrottesley. Skeleton of Bloodhound, presented by Edwin Brough, Esq. Chinchilla Pekin Spaniel, presented by Mrs. F. M. Weaver. A Skye Terrier, presented by C. L. Vanderhoff, Esq. Skull of Dartmoor Pony, presented by Capt. S. S. Flower. A Poodle, presented by Miss C. M. Faithfull. Old English Sheep-Dog, presented by Mrs. Fase Forse. Head of Long-horn Bull, presented by G. C. Bacon, Esq. Head of Skye-Goat, presented by Sir Donald Currie, G.C.M.G. Head of Egyptian Sheep, presented by Capt. H. D. W. Lloyd. Casts of Humped Ox-horns, presented by Señor Don Bolivar. A Hausa Sheep, presented by the Zoological Society. Silver Runt Pigeon, presented by W. A. Hasler, Esq. Pekin Spaniel, presented by Rowland Ward, Esq.

In the study series of mammals the work of labelling, registering, and incorporating the accessions has been proceeded with. Three mahogany store-cabinets for the skins of small mammals, six deal store cabinets for larger mammals the size of a fox, and a block of deal cupboards for the skins of antelopes, &c., have been added. Acquisitions continue to come in to this section at a rate which makes it difficult to keep pace with the work entailed. The department is, however, indebted for much valuable assistance in this matter to volunteer helpers, among whom are Mr. R. C. Wroughton, Dr. Forsyth Major, F.R.S., and Mr. Gerrit S. Miller.

With the assistance of a private donor, the services of Dr. Knud Andersen have been continued in working out and re-labelling the collection of Chiroptera in preparation for his forthcoming work on the new edition of the Catalogue.

The work of building the new mammal store-room above the Western Corridor has been commenced.

*Aves.*—Progress has been made with the work in the Gallery; the British Birds in the Pavilion have now been mostly remounted or renewed, and will shortly be completely arranged.

Cases containing the Bower of the Gardener-Bower-Bird (*Amblyornis subalaris*), and a nesting group of Buffon's Skua (*Stercorarius parasiticus*) have been added.

The Catalogue of the Eggs, Vol. V., has been continued to the end of the *Fringillidæ*, and Vol. V. of the "Handlist of Birds" is approaching completion.

A considerable number of skeletons has been added to the Avian Osteological series: partly by the incorporation of the Robert Collection, and partly by preparations made from specimens in the Spirit Collection, preserved for that purpose. In addition much curatorial work has been necessary to keep the collection in order. The arrangement of the Passerine skeletons is approaching completion.

*Reptilia.*—In the Reptile Gallery general conservation and revision of descriptive labels have been carried on during the year.

Among purchases, are a number of casts of reptiles and amphibians from Ward, of Rochester. A full-sized model of the skeleton of the Horned Dinosaur has also been installed during the year.

*Pisces.*—In the Fish Gallery sloping backgrounds have been fitted into Wall-cases 8-13 similar to those in the rest of the Gallery, and the appropriate specimens have been arranged upon them.

Forty-two specimens of fishes have been restored and coloured according to published coloured figures and descriptions, in continuation of the work begun in 1904, and seven new stuffed specimens and four coloured casts have been

added; also a number of morphological preparations to illustrate certain anatomical features that are utilised in the classification of Fishes.

A new specimen of the Port Jackson Shark, specially sent from Australia in ice, has been mounted in the centre line of the Gallery; and a copy of the Prince of Monaco's oceanographic map of the world has been framed and attached to the table-case that contains the Sea-perch, *Epinephelus lanceolatus*.

The Card-Catalogue of the specimens exhibited in the Fish Gallery, drawn up so as to give the British Museum register number of each specimen, the locality and history, and the references to the figures and descriptions from which it was coloured, has now been completed. A Hand-List of the 830 specimens has also been drawn up and indexed.

The northern half of the Fish Gallery was re-opened to the public in November, and the various table-cases and cabinet-cases in that part of the Gallery were re-arranged. The arrangement of the specimens in Wall-cases 6-15, however, is still incomplete. In order to avoid delay in throwing open the whole of the Gallery to the public, the names only of the fishes in these cases have been attached; printed labels giving the special features of interest of each fish, similar to those in Wall-cases 1-5 and 16-20, will be proceeded with during the year 1908.

A Guide-book to the Gallery of Fishes is in an advanced stage of preparation, and will probably be completed in March 1908. This Guide will contain photographic reproductions of the restored models of extinct fishes and deep-sea fishes which have been specially prepared in the Museum during the past four years. The system of appending a numeral against each specimen exhibited, already followed in the Galleries of Birds and Reptiles, is being adopted in the Fish Gallery (although not yet fully carried out), and references to these numerals are being made in the Guide.

The work of expanding the collection in the spirit building has proceeded, and is now practically finished. It has been found impossible to expand the Reptile collection, and nearly half of the Fish collection, which still remain in a state of great congestion. The new cases which were made a short time ago are occupied by the Batrachians and the fresh-water fishes of Africa; the removal of these groups has permitted the temporary expansion of about half of the general collection of Fishes. A catalogue of the African fresh-water fishes being now in preparation, these have been placed together as a provisional step, it being impossible for want of room to expand or arrange them in their proper place in the main collection.

*Mollusca*.—An exhibition case containing Cephalopoda has been partly arranged, the re-mounting and re-labelling of

the land shells have been continued, and the study collection of Stenogyrinæ has been arranged geographically. The types from the Hanley and Da Costa collections have all been identified with the descriptions and figures, mounted and incorporated, and two collections from the Central African Lakes and Birket el Kurum have been worked out and reported on. All the numerous acquisitions have been registered, mounted, and placed in the general collection.

*Arachnida and Myriopoda.*—The arrangement of the exhibited series of Arachnida and Myriopoda has been completed, and the cases in which the specimens are contained have been cleaned. Progress has been made with the compilation of the manuscript catalogue of Scorpions and a card-catalogue index to the collections of Arachnida has been begun. The determination of the unnamed Arachnida in the collection has been continued, and the Solifugæ and Mygalomorph Spiders have been worked out.

The Oniscomorph Myriopoda from the Malay Peninsula and from Siam have been identified, and a report on the more interesting forms has been published.

Some of the Ticks received during the year have been sent to Professor Neumann for identification, the remaining specimens have been determined in the Museum.

*Insecta.*—The Central American *Pselaphidæ*, and the *Silphidæ*, *Cucujidæ*, and *Colydiidæ* contained in the Sharp Collection have been incorporated. The *Dynastidæ* have been entirely revised and re-arranged, and all accessions incorporated, all the Lamellicorn Coleoptera still remaining from the Pascoe, Fry, and Hauser Collections have been dealt with, and the great Coprophagous genera *Onthophagus* and *Oniticellus* have been arranged, and many new species described. The re-arrangement of the *Buprestidæ* has been continued. The arrangement of the *Elatерidæ* and incorporation of the various accessions belonging to that family have made further progress, and additions have been made to the earlier groups from the Fry and Sharp Collections. The *Longicornia* of the Sharp Collection required for the General Collection of Coleoptera have also been selected and incorporated.

The undetermined specimens of Oriental *Cleridæ* have been worked out by Herr Sigmund Schenkling, and many new species described; Mr. G. A. K. Marshall has arranged various groups of African and Oriental *Curculionidæ*, incorporating the additions and describing the new species; and all the African representatives of the great Curculionid genus *Apion* contained in the Museum have been brought together and are now being worked out by Herr Hans Wagner.

The revision of the MS. of the 3rd volume of the Catalogue of Orthoptera, which will include the *Locustidæ*, has made steady progress, and the revision of that portion of

the collection has proceeded concurrently with it, and is now completed to the end of the important family *Trypidae*. A large number of accessions in *Locustidae* and other families of Orthoptera have also been determined and incorporated.

In the Hymenoptera a commencement has been made with the arrangement of the *Ichneumonidae*, the sub-families *Evaniinae* and *Gasteruptioninae* being completed. The Department has had the advantage of the services of Mr. R. E. Turner, who has arranged a portion of the Fossors, viz., the *Thynnidae* and three genera of *Scolidae*.

The incorporation of additions to the collection of British Diptera has been continued, and the *Dolichopodidae* and *Empididae* have been re-arranged, a large series of named specimens presented by Lieut.-Colonel J. W. Yerbury having been incorporated. In the General Collection a portion of the African *Tabanidae* has been determined, and new species, to be figured in "Illustrations of African Blood-sucking Flies," have been described; the major part of the family *Diopsidae* has been worked out; and species belonging to the genera *Lyperosia*, *Chrysomyia*, *Thelychaeta*, and *Alluaudinella* (family *Muscidae*) have been determined. Labels have been prepared for Mr. Terzi's drawings of British Blood-sucking Flies, to be exhibited in the North Hall. A number of collections of Blood-sucking Flies, received during the year from all parts of the World, have been determined and incorporated, and reports on collections and specimens, believed to be of economic importance, have been furnished to various authorities in India and elsewhere. Information concerning a number of Indian species described by Fabricius and Walker, the types of which are in the British Museum, have been supplied to the Indian Museum, Calcutta.

The incorporation of Dr. Eger's collection of European Homoptera has been practically completed, and a very large proportion of the Homoptera, described in the "Biologia Centrali-Americana," have been similarly dealt with. In the family *Fulgoridae*, the *Derbinae*, have been re-arranged, Walker's species examined, and a large number of undetermined specimens named and incorporated. The *Jassidae* are in course of arrangement, several of the sub-families having been completed, and some fine collections of Australian *Cicadidae* have been worked out, and the results published.

The collection of Acræine Butterflies has been transferred and re-arranged in the new cabinets, as also the Nymphaline genera allied to *Hypolimnas*, *Salamis*, *Kallima*, and *Eurytela*. The re-arrangement of the genus *Precis* was kindly undertaken by Mr. Guy Marshall, and Mr. H. J. Elwes almost completed the arrangement of the Holarctic *Hesperidae*.

Volume VI. of the Catalogue of Moths, containing the Noctuid sub-family *Cucullianæ* has been published, and the

sub-family has been arranged; and the MS. of Volumes VII. and VIII., containing the *Acronyctinae* has been completed.

In the *Geometridae* the re-arrangement of the *Boarmianae* has been completed, and portions of the *Acidalianae*, *Enochrominae*, and *Orthostiainae* have been dealt with. The whole of the American types of *Geometridae* in Mr. Rothschild's collection, described by Mr. Warren, have been compared with the Museum Collection by Mr. L. B. Prout, and numerous species identified.

The re-arrangement of the collection of British Lepidoptera has been completed.

*Crustacea*.—The arrangement of the exhibited series has been continued, and a large number of spirit and other specimens and some illustrative coloured drawings have been added. The cases illustrating the classification of the lower Malacostraca and the Entomostraca have been practically completed during the year. Specimens of the recently re-discovered British *Apus canceriformis* have been mounted as a special exhibit in the Central Hall. In the Crustacea room some urgently needed space has been gained by fitting an additional shelf in most of the cases containing the spirit collection, and advantage has been taken of the re-arrangement involved to label the cases and shelves in a manner more convenient for reference. A large number of the bottles have also been cleaned and refilled. The dry collection of Cirripedes has been transferred to the new cases and arranged in systematic order. Important exchanges have been carried out with the Museums of Paris and Dundee, and a very heavy list of other accessions has been dealt with. Work on the Cumacea has been continued, and on the publication of the first part of a report on Cumacea of the Copenhagen Museum, the collection has been enriched by a valuable set of co-types. The collection of Spiny Lobsters (*Palinuridae*) has been revised in the light of recent work, and the unnamed material of the family determined.

*Prototracheata, Echinoderma, Vermes, and Anthozoa*.—The whole of the spirit collection has been gone through and rearranged, and a new MS. Catalogue of the systematically arranged specimens has been prepared; this is being indexed, and will greatly facilitate the speedy finding of specimens required for study, but the necessity of increased space for the collection of Invertebrata is rapidly becoming urgent.

All the specimens of Prototracheata received during the year have been named by Prof. Bouvier, registered, and incorporated.

All the specimens of Echinoderma received during the year have been named and incorporated; the systematically arranged and exhibited specimens have been provided with a number, as have also the exhibited Worms.

Dr. Ashworth has commenced a catalogue of the *Arenicolidae*; Prof. Benham presented a number of the New Zealand Polychaeta, which he had entrusted to the eminent specialist Prof. Ehlers for naming. Various kinds of worms have been named by Mr. Shipley, F.R.S., Mr. Beddard, F.R.S., Signor Cognetti de Martiis, and Mr. Cave, of the Agricultural College, at Wye; nearly all the worms obtained during the year have been determined before incorporation.

The few Anthozoa obtained during the year have been nearly all named.

Some progress has been made with the revision of the Guide to the Starfish Gallery.

*Tunicata, Brachiopoda, Polyzoa, Hydrozoa, Porifera, and Protozoa.*—The work done during the year consisted in preparing and completing the second part of the Report on the Antarctic Sponges (Tetractinellida and Monaxonellida, plates VIII.—XXVI.); in conserving, registering, and labelling the acquisitions; in naming unnamed specimens, especially of sponges, partly of those recently acquired, partly of those belonging to the general collection.

#### II.—*Duplicates and Exchanges.*

Duplicates have been presented to the Royal Scottish Museum, Edinburgh; the Dublin Museum; the Hancock Museum, Newcastle; St. Andrews University Museum; Plymouth and Liverpool Museums; the University Museum, Cambridge; the Garden City, Letchworth; Professor G. C. Bourne; Major H. Mann, and Mr. R. Gordon Smith.

Exchanges have been effected with the Carnegie Museum, Pittsburgh; University College Museum, Dundee; Indian Museum, Calcutta; and the Museums of Basle, Berlin, Genoa, Magdeburg, Oxford, Paris, and Sao Paulo; also with Mr. E. C. Bedwell, Prof. Bouvier, Mr. H. J. Carter, Prof. A. N. Caudell, Mr. A. J. Chitty, Prof. Clark, Prof. C. H. Eigenmann, Prof. Joseph Gillet, M. Antoine Grouvelle, Mr. Martin Jacoby, Mr. W. J. Kaye, Mr. G. A. K. Marshall, Dr. F. Ohaus, Mr. R. C. L. Perkins, and the Hon. N. C. Rothschild.

#### III.—*Departmental Library.*

One hundred and twenty-one separate works in 274 volumes, new to the Library, and 1,472 parts of periodicals and works in progress have been acquired during the year, by purchase, presentation, and exchange. Two hundred and thirty-one books have been bound. The Library now contains 11,142 separate works in 17,932 volumes.

Among the donations to the Library reference may be made to a copy of Sonnini's edition of Buffon's *Histoire Naturelle*, consisting of 127 bound volumes, presented by Captain Glyn.

IV.—*Independent Publications.*

In addition to the official Catalogues and volumes published by the Trustees, already mentioned, various reports and descriptive papers have been prepared in connection with the different branches of the collection, and published in scientific journals.

For convenience of reference the following list is appended:—

*Mammalia.*—“On Mammals from Northern Persia, presented to the National Museum by Col. A. C. Bailward”; “On three new Mammals from British New Guinea”; “List of further collections of Mammals from Western Australia obtained for Mr. W. E. Balston”; “The Duke of Bedford’s Zoological Exploration of Eastern Asia; List of small Mammals from Korea and Quelpart; On Mammals obtained by Mr. M. P. Anderson in the Philippine Islands; List of small Mammals from the Islands of Saghalien and Hokkaido; Second List of Mammals from Korea”; “On further new Mammals obtained by the Ruwenzori Expedition”; “On a new Dormouse from Asia Minor, with Remarks on the sub-genus ‘*Dryomys*’”; “On a remarkable Mountain Viscacha from Southern Patagonia, with Diagnoses of other Members of the Group”; “A new Flying-Squirrel from Formosa”; “A new *Acanthoglossus* from the Island of Salawatti”; “On a new Monkey from the Ituri Forest”; “On the Occurrence of the Edible Dormouse (genus *Glis*) in Sardinia”; “On the Occurrence of *Acanthoglossus* in British New Guinea”; “On Neotropical Mammals of the genera *Callicebus*, *Grisson*, *Reithrodontomys*, *Ctenomys*, *Dasypus*, and *Marmosa*”; “A subdivision of the old genus *Nesokia*, with descriptions of three new members of the Group, and of a *Mus* from the Andamans”; by O. Thomas.

“New Mammals from Lake Chad and the Congo, mostly from the Collections made during the Alexander-Gosling Expedition”; “The Rudd Exploration of South Africa; List of the Mammals obtained by Mr. Grant at Coguno, Inhambane”; by O. Thomas and R. C. Wroughton.

“On a Collection of Mammals made by Mr. S. A. Neave in Rhodesia, North of Zambesi”; “On Three new Mammals from South Africa”; “List of a Collection of small Mammals made by Mr. A. L. Butler in the Bahr-el-Ghazal”; by R. C. Wroughton.

*Aves.*—The further collections of Birds from the Efulen District of Cameroons, West Africa, with notes by the collector, G. L. Bates; “Presidential Address to the Fourth International Ornithological Congress”; “On new species from the river Ja, Cameroons”; “On the occurrence of the American Wigeon on the island of Benbecula”; “On the occurrence of the Waxwing in Bannu, N.W. frontier of India”; “On rare species from Kambore on the Lower



Congo, collected by Mr. Sheffield A. Neave"; "On a new species of Coly, *Colius kirbyi*, from the Eastern Transvaal"; by R. Bowdler Sharpe.

"Description of six new Malayan birds"; "On three new species of birds from Annam"; "Description of a new Chat-thrush from Somaliland"; "Description of four new species of birds from Ruwenzori"; "Description of a new species of Yellow Flycatcher (*Chloropeta stormyi*)"; "Description of a new King-bird-of-Paradise from the Cyclops Mountains, German New Guinea"; "Description of five new species of birds from the Congo Forest"; "Description of a new Alpine Swift from Ruwenzori"; "Remarks on the occurrence of *Lagopus hyperboreus* in Franz Joseph Land"; "Description of two new species of birds from the Mpanga Forest"; "Description of two new Parrots from New Guinea"; "Description of six new species of African birds from the Collection made by Mr. Douglas Curruthers"; "Description of two new species of African birds"; "Report on the immigrations of Summer Residents in the spring of 1906"; "On the Birds of the Island of Formosa"; "On the species of the genus *Pseudogerygone*"; "On the Birds procured by Mr. W. N. McMillan's Expedition to the Sobat and Baro Rivers"; "Descriptions of five new species of birds from Ruwenzori"; "Description of a new species of Weaver-Finch from Fernando Po"; "Descriptions of three new species of birds from Bahr-el-Gazal"; "On two examples of supposed hybrids between Red Grouse and Ptarmigan"; "On a remarkable stage of Plumage in the Great Northern Diver"; by W. R. Ogilvie-Grant.

"Contributions to the Osteology of Birds:—Part IX. Tyranni, Hirundines, Muscicapæ, Laniæ, and Gymnorhines"; "On the Anatomy and Systematic position of the Colies"; "Notes on a Nestling *Calopsittacus nova-hollandica*"; by W. P. Pycraft.

"On a new species of *Heleodytes* from Peru"; "On a new species of *Sisopygis* from Bolivia"; by C. Chubb.

*Reptiles and Batrachians.*—"Second Report on the Batrachians and Reptiles collected in South Africa by Mr. C. H. B. Grant, and presented to the British Museum by Mr. C. D. Rudd"; "On *Lacerta ionica*, Lehrs"; "Descriptions of three new Lizards and a new Frog discovered by Dr. W. J. Ansorge in Angola"; "Descriptions of three new Snakes discovered by Mr. G. I. Bates in South Cameroon"; "Description of a new Frog of the genus *Telmatobius* from Brazil"; "Descriptions of two new African Lizards of the genus *Latastia*"; "Descriptions of new Lizards in the British Museum"; "Remarks on Professor L. von Méhely's paper 'Zur Lösung der *Muralis*-Frage'"; "Description of a new Engystomatid Frog of the genus *Breviceps* from Namaqua-

land"; "Description of a new Toad and a new Amphisbaenid from Mashonaland"; "Description of a new Frog discovered by Dr. W. J. Ansorge in Mossamedes, Angola"; "Description of a new Pit-Viper from Brazil"; "Description of a new African Snake of the genus *Simocephalus*"; "Description of a new Tortoise from Travancore"; "On a collection of Batrachians and Reptiles made by Mr. S. A. Neave in Rhodesia"; "Description of a new Lizard from Ceylon"; "Descriptions of two new Indian Frogs"; "On a collection of Batrachians from Nepal and the Western Himalayas"; "Description of a new Snake from Nepal"; by G. A. Boulenger.

*Fishes*.—The Fishes of the Nile. By G. A. Boulenger, 2 vols., 4to., published for the Egyptian Government.

"On a small collection of Fishes made in the Eastern watershed of the Transvaal by Captain G. E. Bruce"; "On *Barbus aureus* from Natal"; "Description of a new Cyprinid Fish of the genus *Labeo* from the Transvaal"; "On the variations of *Stereolepis gigas*, a great Sea-Perch from California and Japan"; "On an African Barbel hitherto confounded with *Barbus trimaculatus*"; "Description of three new Freshwater Fishes discovered by Mr. G. L. Bates in South Cameroon"; "Description of a new Cichlid Fish from Portuguese East Africa"; "Descriptions of two new Freshwater Fishes discovered by Dr. W. J. Ansorge in Mossamedes Angola"; "Descriptions of two new African species of *Barbus*"; "Descriptions of three new Fishes from Central Africa"; "Descriptions of three new Freshwater Fishes discovered by Mr. G. L. Bates in South Cameroon (No. 2)"; "On a collection of Fishes made by Mr. S. A. Neave in Rhodesia"; by G. A. Boulenger.

"Biologia Centrali-Americana, Pisces, parts 2, 3, and 4"; "On the Anatomy, Classification, and Systematic Position of the Teleostean Fishes of the sub-order Allotriognathi"; "Descriptions of the Teleostean Fish *Velifer hypselopterus* and of a new species of *Velifer*"; "On a Collection of Fishes from Nepal and the Western Himalayas"; "Descriptions of three new Freshwater Fishes from China"; "Note on *Raia undulata*, Lacep."; "Descriptions of two new Characinid Fishes from South America"; "Descriptions of two new Characinid Fishes from Argentina"; "Descriptions of new Freshwater Fishes from Mexico and Central America"; "Diagnoses of Central-American Fishes of the families *Cyprinodontiæ* and *Mugilidæ*"; "Description of a new Cyprinid Fish from Upper Burma"; by C. Tate Regan.

*Mollusca*.—"Note on *Fistulana mumia* perforating a valve of a *Dosinia*"; "Note on *Paludestrina jenkinsi*"; "Description of a new species of *Calliostoma* from South Formosa"; "Notes on an 'Octopus' with branching arms"; "Note on the occurrence of pearls in *Haliothis gigantea* and *Pecten* sp."; "Notes on *Achatina dennisoni*,

Reeve, and *A. magnifica*, Pfeiffer"; "The marine fauna of Zanzibar and British East Africa, from the collections made by Cyril Crossland in the years 1901 and 1902. On some species of Solenidæ"; by E. A. Smith.

*Insecta*.—"A contribution to the Classification of the Coleopterous family *Passalidæ*"; "Some new Species and Genera of Lamellicorn Coleoptera from the Indian Empire" (two papers); by G. J. Arrow.

"Descriptions of new Genera and Species of Longicorn Coleoptera from Sumatra"; "On the Elaterid genera *Hypnoidus*, Steph., and *Cryptohypnus*, Eschs.;" by C. J. Gahan.

"The Synonymy and generic position of certain Species of *Muscidæ* (sens. lat.) in the collection of the British Museum, described by the late Francis Walker"; "A new genus and species of Phlebotomic *Muscidæ* from Aden"; "A rare British Fungus-Midge (*Ceroplastus lineatus*, Fabr.) re-discovered in London"; "*Cordylobia anthropophaga*, a Parasitic African Fly"; "New African Species of the Genus *Chrysops*, Meigen, in the British Museum (Natural History)"; "Blood-sucking and other Flies known or likely to be concerned in the spread of Disease"; by E. E. Austen.

"New Species of *Sphégidæ* from Australia"; "A Revision of the *Thynnidæ* of Australia"; by R. E. Turner.

"Rhynchotal Notes XLII. and XLIII. "; "Description of a new Species of *Cicadidæ* from East Africa"; "Contributions to a knowledge of the *Ledrina*"; by W. G. Distant.

"Supplementary Papers on the Moths of India, Series III. "; "New *Pyralidæ* of the Subfamilies *Hydrocampinæ* and *Scopariinæ*"; "Two new Indian *Sphingidæ*"; "New *Trypanidæ* in the British Museum"; by Sir George F. Hampson, Bart.

*Crustacea*.—"On a Freshwater Decapod Crustacean collected by W. J. Burchell at Para in 1829"; "Sur quelques Cumacés des côtes de France"; "On new or rare Crustacea of the order Cumacea from the Collection of the Copenhagen Museum, Part 1"; by W. T. Calman.

"On a collection of Crustacea Decapoda and Stomatopoda chiefly from the Inland Sea of Japan, with descriptions of new species"; by Dr. J. G. de Man.

"Report on the Brachyurous Crustacea of the third Tanganyika Expedition"; by Dr. W. A. Cunnington.

*Arachnida* and *Myriopoda*.—"Notes on Scorpions, with Descriptions of two new Species"; "On a new species of *Karschia* from Tibet"; "On two Spiders of the genus *Selenocosmia*"; "Descriptions of new Species of African Spiders and *Solifuga*"; "On four new Pill-Millepedes from the Malay Peninsula, and Siam"; by A. S. Hirst.

The following papers are based wholly or in part on British Museum material:—

“Notes sur les Ixodidés—v.”; by Professor L. G. Neumann.

“On some New Species of *Cheliferidæ*, Hans., and *Garypidæ*, Hans., in the British Museum”; by C. J. With.

*Prototracheata*.—Professor Bouvier has completed his “Monographie des Onychopores,” Paris, 1907; he was largely assisted in this work by loans from our collection, which he calls “plus riche que toutes autres en individus et en espèces.”

*Porifera*.—“Description of a new Hexactinellid Sponge from the Indian Ocean”; “Notes on African Fresh-water Sponges”; by R. Kirkpatrick.

#### V.—Acquisitions.

	Donations.	Purchases.	Exchanges.	Total.
Mammalia { Gerrit Miller Collection	—	3,000	—	} 5,231
Other sources - -	2,008	189	9	
Domesticated - -	21	3	1	
Aves { Styan Collection - -	10,000	—	—	} 13,422
Howard Saunders bequest -	835	—	—	
Other sources - -	1,624	944	19	
Eggs, nests, and skeletons -	144	305	30	479
Reptilia - - - - -	560	260	5	825
Batrachia - - - - -	307	343	8	658
Pisces - - - - -	4,848	318	52	5,218
Tunicata - - - - -	42	38	—	80
Mollusca - - - - -	3,773	1,692	—	5,465
Arachnida - - - - -	1,743	1,080	—	2,823
Myriopoda - - - - -	47	390	—	437
Insecta { Godman Collection	4,631	—	—	} 37,600
Elves Collection - -	2,077	—	—	
Other sources - -	25,918	4,454	520	
Crustacea - - - - -	2,106	172	276	2,554
Prototracheata - - - - -	1	20	5	26
Echinoderma - - - - -	198	—	51	249
Vermes - - - - -	106	6	—	112
Brachiopoda - - - - -	9	—	—	9
Anthozoa - - - - -	31	12	—	43
Polyzoa - - - - -	59	—	—	59
Hydrozoa - - - - -	73	—	—	73
Porifera - - - - -	391	—	31	422
Protozoa - - - - -	19	—	—	19
Totals - - - - -	61,571	13,226	1,007	75,804

*Mammalia*.—In this class the accessions number five thousand two hundred and thirty-one, of which the following are most worthy of note:—

The collection of small mammals, mostly North American, made by Mr. Gerrit S. Miller, numbering about three thousand specimens and including the types of seventeen species; purchased.

A specimen of a male Okapi, obtained in the Upper Congo; presented by Lieut. Boyd Alexander, on behalf of the Alexander-Gosling Expedition.

An adult and young male Okapi, from the Ituri district of equatorial Africa; presented by Major Powell-Cotton.

A mounted Badger from Horsham; presented by E. C. Hawes, Esq.

Two bats from Sardinia; presented by the Hon. N. C. Rothschild.

Forty-four mammals from the S. Coast of the Caspian Sea, including four types of species new to science, collected by R. B. Woosnam, Esq.; presented by Col. A. C. Bailward.

Twenty-three mammals from Asia Minor; presented by W. G. Blackler, Esq.

Six mammals, including the types of *Mus comberi* and *M. listoni*, from the Bombay Presidency; presented by the Bombay Natural History Society.

Twenty-nine mammals from British New Guinea, including the type of a new genus (*Crossomys*); presented by C. A. W. Monckton, Esq.

The skeleton of an Indian elephant from Mysore; presented by H.R.H. The Prince of Wales.

Seven mammals from the N.W. Frontier of India; presented by C. H. T. Whitehead, Esq.

Twenty mammals from Java and the Batu Islands; purchased.

Thirty-one mammals from various localities in China; presented by E. B. Howell, Esq.

Eighteen mammals from Syriam, Rangoon; presented by Maj. H. H. Harington.

Seven mammals from W. Himalayas; presented by Maj. H. A. F. Magrath.

Twenty mammals chiefly from Yamasaki, Japan; presented by R. Gordon Smith, Esq.

Twenty-eight mammals from N. Ladak, Punjab, and N. India; presented by H. Holmes-Tarn, Esq.

Twenty-eight mammals from Siam; presented by H. H. Lyle, Esq.

Twenty-four mammals from the Punjab; presented by Maj. H. N. Dunn, R.A.M.C.

Thirty-six mammals from Bombay; presented by the Bombay Natural History Society.

Sixty-two mammals from Mt. Ruwenzori and the Ituri Forest; presented by the Ruwenzori Exploration Committee.

Twelve mammals from Southern Nigeria; presented by Elphinstone Dayrell, Esq.

Six mammals from British East Africa; presented by S. L. Hinde, Esq.

Eighty-two mammals, chiefly from the East Loangwa District, collected by S. A. Neave, Esq.; presented by the Manchester Museum.

Eighteen mammals from Angoni Land and Nyasa; presented by Chas. B. C. Storey, Esq.

Fourteen mammals from Natal; presented by Mrs. E. J. Turner.

Ten mammals from Mashona; presented by Guy A. K. Marshall, Esq.

Twenty-five mammals from Somaliland; presented by R. E. Drake Brockman, Esq.

Eighteen mammals from Stellenbosch, Cape Colony; presented by Prof. R. Broom.

Eleven mammals from Eastern Orange River Colony; presented by C. W. Turner, Esq.

Twenty-five mammals from the Sabi River; presented by Major J. Stevenson Hamilton.

Twenty mammals from Angola, collected by Dr. W. J. Ansorge; purchased.

A porcupine from Zomba, Nyasa; presented by Sir Alfred Sharpe.

Forty-two mammals from the Upper Congo, Lake Tanganyika, Lake Albert Edward, and Lake Kivu; purchased.

Two hundred and sixty three mammals including the types of *Cercopithecus patas sannio*, *Rhynchocyon claudi*, *Mellivora concisa*, *Crossarchus alexandri*, *Lycan shanicus*, *Funisciurus alexandri*, *Tatera lacustris*, *Colomys goslingi*, and six other species new to science; presented by the Alexander-Gosling Expedition.

Four mammals from Sierra Leone; presented by Capt. L. Murray.

One hundred and sixty-two skulls, chiefly of cats, from graves at Gizeh, dated 600-200 B.C. collected by Professor Flinders Petrie; presented by the Egyptian Research Account and British School of Archæology in Egypt.

Eighteen mammals from Uganda; presented by L. M. Seth Smith, Esq.

Fifty-seven mammals from Kambove, Katanga, collected by S. A. Neave, Esq.; purchased.

Sixteen mammals from West Australia; presented by the Perth Museum, West Australia, through B. H. Woodward, Esq.

Seventy-one mammals from Margaret River and Yallingup, S.W. Australia, collected by Mr. G. C. Shortridge; presented by R. E. Balston, Esq.

Six mammals from Patagonia; presented by J. A. Wolfsolm, Esq.

Five mammals from Costa Rica ; purchased.

Five mammals from British Guiana ; presented by Carl Bovallius, Esq.

Eighteen mammals from Rio Demerara, collected by Mr S. B. Warren, and twenty-five from Central Bolivia collected by J. Steinbach and including the types of three new species ; presented by Oldfield Thomas, Esq.

One hundred and forty-one mammals from N. Queensland and Northern Territory, S. Australia, collected by Mr. W. Stalker ; presented by Sir William Ingram and the Hon. John Forrest.

Sixty-three mammals from Korea ; eighteen from Mindanao ; two hundred and thirty-three from Saghalien and Hokkaido, collected by Mr. M. P. Anderson. Also a mounted Deer (*Cervus sika manchuricus*) from the Liu Kiu Islands ; a young Tapir (*Tapirus terrestris*) from Brazil ; and a mounted Mongolian Wild Horse (*Equus caballus przewalski*) from the Gobi Desert ; presented by His Grace the Duke of Bedford, K.G.

Twenty-five mammals from Hungary ; a mounted specimen of the Alaskan Elk (*Alces gigas*) from Cook Inlet, Alaska, and a Deer (*Cervus unicolor boninensis*) from Bonin Island ; presented by the Hon. Walter Rothschild, M.P.

One hundred and twenty-nine mammals from Portuguese E. Africa, collected by Mr. Claude Grant ; presented by C. D. Rudd, Esq.

*Aves.*—The accessions number thirteen thousand nine hundred and one. Of these the most noteworthy are :—

Ten thousand specimens from China ; collected and presented by F. W. Styan, Esq.

Thirty-four eggs from South Africa ; presented by J. A. Bucknill, Esq.

Forty-one birds from Angoni-land ; presented by C. B. Storey, Esq.

Four birds from Uganda—types of newly described species ; presented by F. J. Jackson, Esq., C.B., C.M.G.

Two eggs of a Wood-Hoopoe from Grahamstown, Natal ; presented by P. L. Selater, Esq., PH.D., F.R.S.

Sixty birds, nests and eggs, collected in New Guinea ; presented by Capt. F. R. Barton, C.M.G.

Nineteen birds from Setubal, Portugal ; presented by Don Luiz Gonzaga do Nascimento.

Fifty birds and eggs from the Kurrum Valley ; presented by C. H. T. Whitehead, Esq.

Seven skeletons of *Colinus striatus* from Gaza-land ; presented by C. F. M. Swynnerton, Esq.

Twenty-seven mounted birds, chiefly British, for the Exhibition Gallery, presented by Rowland Ward, Esq., F.Z.S.

Twelve birds from Aldabra island, including one species new to the collection; presented by R. Dupont, Esq.

One hundred and fourteen birds collected in Mashonaland; presented by Guy A. K. Marshall, Esq.

Seventy-seven birds from the Gazelle River district; collected and presented by G. Blain, Esq.

Seventy-six birds from Northern Rhodesia; collected and presented by Dr. F. O. Stoehr.

Sixty-six birds from the Gambia; collected and presented by Dr. E. Hopkinson.

One hundred and six birds from Japan; presented by R. Gordon Smith, Esq.

Twenty-five birds collected in Northern Rhodesia, including the types of two species new to science; collected by Sheffield A. Neave, Esq.; presented by the Manchester Museum.

Two hundred and eighty birds from Persia, collected by Mr. R. B. Woosnam; presented by Col. A. Bailward.

Thirty-four birds from Western Australia; collected by Mr. G. C. Shortridge; presented by W. E. Balston, Esq.

Three hundred and eighty-four birds from Japan, Saghalien, and China; presented by His Grace the Duke of Bedford, K.G.

Forty-three birds from the Malay Peninsula; presented by the Selangor State Museum.

Eight hundred and thirty-five birds from Spain; bequeathed by the late Mr. Howard Saunders.

Forty-one birds from Southern Rhodesia, collected by A. L. Sclater, Esq.; purchased.

Three hundred and five eggs from China, collected by J. D. La Touche, Esq.; purchased.

Two hundred and sixty-seven birds from New Guinea and the Aru Islands, collected by Mr. W. Goodfellow; purchased.

Two hundred and forty-eight birds from Mfumbiro, Tanganyika, and Upper Congo, collected by Mr. D. Carruthers; purchased.

One hundred and sixty-one birds from Mt. Morrison, Formosa, including types of ten new species; purchased.

Twenty-seven birds from Annam, including types of three new species, and examples of *Rheinhardtius ocellatus*, collected by Dr. Vassall; purchased.

One hundred and thirty-one birds from the Goolis Mts., Somaliland; purchased.

Thirty eggs from Tasmania, received in exchange.



One hundred and sixty-six birds, and five eggs from Northern Rhodesia, collected by Sheffield A. Neave, Esq.; presented by the British South African Company.

Nineteen specimens of species new to the collection; exchanged with the Hon. Walter Rothschild, M.P.

Forty birds from the Kain district of Khorasan and Tirhut; presented by Capt. J. W. Watson.

*Reptilia*.—The accessions number eight hundred and twenty-five, five hundred and sixty presented, two hundred and sixty purchased, and five received in exchange. The following are the more important:—

A Red variety of the Viper (*Vipera berus*) from Pembrokehire; presented by H. Fowler, Esq.

Sixteen lizards (*Lacerta ionica* and *Algiroides nigropunctatus*) from Corfu; purchased.

Sixteen Reptiles from Bulgaria; presented by Prof. W. T. Kowatschhoff.

Fourteen Reptiles from the Aden Hinterland; presented by Capt. A. C. Ingram.

Ninety-eight Reptiles from the islands of the Indian Ocean, including the types of two new species (*Hemidactylus gardineri* and *Scelotes gardineri*), collected by J. Stanley Gardiner, Esq.; presented by the Percy Sladen Trust.

Sixty-eight Reptiles from India and the types of two new Snakes *Tropidonotus baileyi* from Tibet and *Bungarus walli* from Oude; described and presented by Major F. Wall.

Twenty-nine Reptiles from Saghalien, Corea, and China, collected by Mr. M. Anderson; presented by His Grace the Duke of Bedford, K.G.

Thirty-two Reptiles from Mogador, collected by Señor Martinez de la Escalera; presented by the Madrid Museum.

Fifty-five reptiles from Algeria; presented by W. J. Harding King, Esq.

A Lizard new to the collection (*Chalcides thierryi*) from Nigeria; presented by E. W. Dix, Esq.

Seventy Reptiles from the Cameroons, including the types of three new species (*Dasypeltis macrops*, *Dipsadoboa iolepis* and *Aparallactus batesii*), collected by Mr. G. L. Bates; purchased.

Fifty-five Reptiles from Angola, collected by Dr. W. J. Ansorge; purchased.

Thirteen Reptiles from the Bahr-el-Ghazal province, including the type of a new Snake (*Simoecephalus butleri*); presented by A. L. Butler, Esq.

Twelve Reptiles from the Ruwenzori district, including the type of a new Lizard (*Lygosoma meleagris*), collected by

R. B. Woosnam, Esq.; presented by the subscribers to the Ruwenzori Expedition Fund.

Ten Reptiles from Rhodesia and Portuguese East Africa, including the type of a new genus of Anphisbaenid Lizards (*Chirindia swynnertoni*); presented by C. F. M. Swynsnerton, Esq.

Eighty-six Reptiles from Natal and Zululand, including the types of three new species (*Zonurus warreni*, *Gerrhosaurus grandis*, and *Calamelaps warreni*); presented by Dr. E. Warren.

Ninety-nine Reptiles from South Africa, including the type of a new Lizard (*Monopeltis granti*), collected by Mr. C. Grant; presented by C. D. Rudd, Esq.

Five stuffed Lizards (*Anolis equestris*) from Cuba; presented by the Hon. W. Rothschild, D.Sc., M.P.

Ten Reptiles from Peru; presented by Prof. G. S. Boulger.

The type of a new Lizard (*Amphisbaena slateri*) from Peru; presented by T. Slater, Esq.

Twelve Reptiles from Peru, collected by the late G. Oekenden; purchased.

Sixty-eight Reptiles from Bolivia, including the types of two new species (*Anolis scapularis* and *Polychrus liogaster*), collected by Hon. J. Steinbach; purchased.

Fourteen poisonous Snakes from Sao Paulo, Brazil, including the type of a new species (*Lachesis itapetiningae*): presented by Dr. Vital Brazil.

A Snake new to the collection (*Philodryas nattereri*) from Brazil; presented by the R.R. Fathers of the Abbey of Maudsons.

Eleven Reptiles from Central Australia; purchased.

Two Lizards (*Lygosoma suteri* and *L. homalonotum*) new to the collection, from New Zealand; presented by Henry Suter, Esq.

*Batrachia*.—The accessions number six hundred and fifty-eight, three hundred and seven presented, three hundred and forty-three purchased, and eight received in exchange. The more important are:—

Eighteen Batrachians from Corfu; purchased.

Thirteen Batrachians from Bulgaria; presented by Prof. W. T. Kowatscheff.

Sixty Batrachians from the islands of the Indian Ocean, including the types of a new Cæcilian (*Praslinia cooperi*) and a new Frog (*Nesomantis thomasetti*), collected by J. Stanley Gardiner, Esq.; presented by the Percy Sladen Trust.

Forty Batrachians from Yunnan, including the type of a new Frog (*Calluella yunnanensis*), collected by Mr. J. Graham; purchased.

Thirty-three Batrachians from Saghalien, Corea, and China, collected by Mr. Anderson; presented by His Grace the Duke of Bedford, K.G.

Seventeen Batrachians from Lake Victoria, collected by Mr. Simon; purchased.

Ninety-nine Batrachians from the Cameroons, collected by Mr. G. L. Bates; purchased.

Eighty-four Batrachians from Angola, including the type of a new Frog (*Rana cryptotis*), collected by Dr. W. J. Ansorge; purchased.

Eight Batrachians from Rhodesia and Portuguese East Africa, including the type of a new Toad (*Bufo anotis*); presented by C. F. M. Swynnerton, Esq.

The type of a new Toad (*Breviceps macraps*) from Namaqualand; presented by L. Péringuey, Esq.

One hundred and twelve Batrachians from S. Africa, including the type of a new Frog (*Rana ruddi*), collected by C. Grant; presented by C. D. Rudd, Esq.

Twenty-three Batrachians from Costa Rica, collected by C. F. Underwood; purchased.

The type of a remarkable new Tree-Frog (*Hyla resinificatrix*) from Brazil; presented by D. E. A. Goeldi.

Twenty-six Batrachians from Peru, collected by the late G. Oekenden; purchased.

Twenty-four Batrachians from Chile; presented by R. Morton Middleton, Esq.

A Tree-frog new to the collection (*Hyla gilleni*) from the Northern Territory, South Australia; presented by H. J. Hillier, Esq.

*Pisces*.—The accessions number five thousand two hundred and eighteen, four thousand eight hundred and forty-eight by presentation, three hundred and eighteen by purchase, and fifty-two received in exchange. The following are the more important:—

Three Charr (*Salmo alpinus*) from the Loch of Girlsta, Tingwall, Shetlands; presented by J. S. Tulloch, Esq.

A Charr from Loch Marie; presented by H. M. Warrand, Esq.

Five Charr from Loch Grannoch; presented by G. R. Murray, Esq.

Five Charr (*Salmo willughbii*) from Windermere; presented by Messrs. G. Gatey & Son.

Four Charr (*Salmo willughbii*) from Coniston Lake; presented by J. W. Barratt, Esq.

A Charr (*Salmo willughbii*) from Haweswater ; presented by the Earl of Lonsdale.

A Land-locked Salmon (*Salmo salar*) from Lough Mask ; presented by Alick Duncan, Esq.

Five Pollan (*Coregonus pollan*) from Lough Ree ; purchased.

Seven Pollan (*Congonus pollan*) and four hybrid Bream (*Abramis brama* × *Leuciscus erythrophthalmus*) from Lough Erne ; presented by Major E. Trevelyan.

Five hybrid Carp (*Cyprinus kollarii*) and two Crucian Carp (*Carassius vulgaris*) ; presented by the Rt. Hon. Lord Walsingham, F.R.S.

A large Flounder (*Pleuronectes flesus*) from Leigh-on-Sea ; presented by A. C. Palmer, Esq.

A large Gurnard (*Trigla hirundo*) from the Isle of Man ; presented by J. Pickup, Esq.

A very large Whiting (*Gadus merlangus*) ; presented by Edgar Hyde, Esq.

A specimen of the scribbled variety of the Mackerel (*Scomber scombrus*) from Cornwall ; presented by R. L. Crawshay, Esq.

Thirty-nine Fishes from deep water off the Irish coast, including the types of three new species described by Messrs. Holt and Byrne (*Iyconus brevipinnis*, *Pteridium allani*, and *Melamphaes curylepis*) ; presented by the Dept. of Agriculture and Technical Instruction for Ireland, Dublin.

Two Pipe-fishes (*Syngnathus dumerili*) from Belgium ; presented by Professor Gilson.

Twenty-nine deep-sea Fishes from the Bay of Biscay, including examples of *Gonostoma bathyphilum*, new to the collection ; presented by Dr. G. Herbert Fowler.

Forty-eight Fishes from deep water in the Atlantic and Mediterranean, including a fine example of the rare *Himantolophus reinhardti* ; presented by Dr. R. N. Wolfenden.

A large specimen of a rare fish (*Umbrina canariensis*), new to the collection, from the Atlantic ; presented by J. Wrench Powse, Esq.

Nine Fishes from various localities, including an example of *Chrysophrys curuleosticta* from Madeira, a species new to the collection ; presented by the Hon. Walter Rothschild, D.S.C., M.P.

The types of two new Cyprinid Fishes (*Diptychus annandalii* and *Danio browni*) from Nepaul and the Shan States respectively ; presented by the Indian Museum, Calcutta.

Forty-three Fishes from Yunnan, including the types of two new species (*Schizothorax taliensis* and *Silurus grahami*), collected by Mr. J. Graham ; purchased.

The types of three new fresh-water fishes from China (*Gymnostomus kreyenbergii*, *Gobio wolterstorffii*, and *Glyptosternum sinense*), collected by Dr. Kreyenberg; purchased.

Fifty fresh-water fishes from Corea, including the types of seven new species (*Leucogobio strigatus*, *Acanthogobio longirostris*, *Acanthorhynchus gracilis*, *Silurus bedfordi*, *Liobagrus andersonii*, *Gobius bedfordi*, and *Tridentiger coreanus*), collected by Mr. Anderson; presented by His Grace the Duke of Bedford, K.G.

Seventy-eight Fishes from Lake Biwa, Japan, including the types of a new cat-fish (*Liobagrus sugubii*); presented by H. E. the Governor of Otsu.

Three hundred and nineteen Fishes from Japan, including the type of a new species (*Achilognathus smithii*) and examples of several species new to the collection; presented by R. Gordon Smith, Esq.

Two sharks (*Mitsukurina owstoni* and *Notidanus deani*) from Japan; purchased.

Forty-six Fishes from the Philippines; presented by the U.S. National Museum.

Eighteen Fishes from Algiers; presented by R. Gurney, Esq.

Twenty-seven Fishes from the Shari River, collected by the late Capt. G. B. Gosling; presented by Capt. Boyd-Alexander.

The types of four species of fresh-water fishes, *Nannocharax parvus* from the Ogowe, *Polypterus retropinnis* and *Mormyrops boulengeri* from the Congo, and *Bedotia geayi* from Madagascar; received from the Paris Museum.

Seventy-seven Fishes from the Cameroons, including the types of two new species (*Synodontis batesii* and *Eleotris kribensis*), collected by Mr. G. L. Bates; purchased.

Thirty-five Fishes from the Benue River; purchased.

Ninety-four Fishes from Angola, including the types of two new species (*Labeo ansorgii* and *Puratilapia unguaticeps*), collected by Dr. W. J. Ansorge; purchased.

An important series of fishes from the Nile, obtained by Mr. Leonard Loat; presented by His Excellency the Minister of Education, Government of Egypt.

The fishes collected by Mr. Loat during the years 1899-1902 numbered 11,068 specimens, probably the largest collection of fishes from one river ever brought together; of these, a first set, comprising 3,776 specimens, and including the types of 30 new species, has been retained for the British Museum, whilst a second set has been sent to the School of Medicine at Cairo, and other sets to various scientific institutions as requested by the Egyptian Government, by whom the necessary funds for Mr. Loat's work were provided.

The large series of specimens collected and excellently preserved by Mr. Loat, accompanied by his valuable notes and coloured sketches, has materially increased our knowledge of the Fishes of the Nile, which is summarised in Mr. G. A. Boulenger's illustrated work "The Fishes of the Nile," chiefly based on this collection. The work was published for the Egyptian Government in 1907.

Eighteen Fishes from Lake Victoria, collected by Mr. Simon; purchased.

Twenty-four Fishes from the Ruwenzori District, including the types of two new species (*Petersius woosnami* and *Pellonula obtusirostris*), collected by R. B. Woosnam, Esq.; presented by the subscribers to the Ruwenzori Expedition Fund.

The types of *Petersius tangensis* and *Fundulus palmquisti* from German E. Africa; presented by Prof. E. Lönnberg.

The types of three Mormysid Fishes (*Petrocephalus stuhlmanni*, *Marcusenius castor*, and *Mormyrus tapirus*) from German Africa; received from the Berlin Museum.

Fourteen Fishes from Mombasa; presented by F. J. Jackson, Esq.

Seven Fishes from Rhodesia and Portuguese E. Africa, including the type of a new species (*Tilapia swynnertonii*); presented by C. F. M. Swynnerton, Esq.

Twenty-four Fishes from Lake Bangwelu; presented by F. H. Melland, Esq.

The types of a new Cat-fish (*Amphilius hargeri*) from British Central Africa; presented by R. L. Harger, Esq.

The types of two new fishes (*Haplochilus myaposae* and *Neobola brevianalis*) from Zululand; presented by Dr. E. Warren.

Forty-seven Fishes from S.E. Africa, including the types of five new Cyprinids (*Barbus polylepis*, *B. brucei*, *B. sector*, *B. elephantis*, and *Varicorhinus brucei*); presented by Capt. G. E. Bruce.

Thirty-seven Fishes from South Africa, including the types of a new species (*Labeo ruddi*), collected by C. Grant; presented by C. D. Rudd, Esq.

Three Fishes (*Paratilapia carlottae* and *Scopelopsis multipunctata*) new to the collection, from the Zambesi and the Agulhas Bank respectively; presented by Dr. J. D. F. Gilchrist.

Nine large stuffed fishes from Florida, prepared and painted by a special taxidermist; presented by F. Cushny, Esq.

Co-types of *Tetragonopterus cobanensis* and *T. belizianus* from Central America; received from the Paris Museum.

Twenty-one fresh-water Fishes from Costa Rica, including the types of three new species (*Rhamdia heteracantha*, *R. underwoodi* and *Rivulus flabellicauda*), collected by C. F. Underwood; purchased.

Fifty fresh-water Fishes from Costa Rica, including the types of three new species (*Rhamdia rogersii*, *Gambusia annectens*, *G. tenabensis*; presented by F. D. Godman, Esq., F.R.S.

Twenty-five fresh-water Fishes from Trinidad, including examples of *Evosthodus breviceps*, new to the collection; presented by L. Guppy, Esq., Junr.

Twenty-five Fishes from Sao Paulo, Brazil, including the types of five new Loricariidae (*Plecostomus albomaculatus*, *P. margaritifera*, *P. iheringii*, *P. strigaticeps* and *Otocinclus paulinus*); received from the Sao Paulo Museum.

Co-types of three Characinid Fishes from Paraguay (*Tetragonopterus kennedyi*, *T. anisitsi* and *T. heterorhabdus*); received from Prof. C. H. Eigenmann.

The types of a new Characinid Fish (*Mimagoniates barberi*) from Paraguay; presented by Dr. A. Barbero.

The types of two new Characinid Fishes from Argentina (*Pogonochara rehi* and *Phoxinopsis typica*); presented by Dr. L. Reh.

Co-types of three new deep-sea Fishes (*Coelorhynchus innotabilis*, *Mucrurus nigromaculatus*, and *Hoplichthys haswelli*), from off the coast of New South Wales; presented by Prof. W. A. Haswell, F.R.S.

Seventeen fresh-water Fishes from the Aru Islands, including examples of two species new to the collection (*Arius leptaspis* and *Rhombattractus novae-guineae*), collected by Mr. A. E. Pratt; purchased.

*Mollusca*.—Five thousand four hundred and sixty-five specimens were added to the collection, of which the following are the most important:—

Eight hundred and sixty-four shells from the collection of the late Sylvanus Hanley, including one hundred and twenty-three actual types, and about seven hundred specimens figured in various Works on Mollusca; presented by Henry Harvey, Esq.

One hundred and forty-eight shells from various localities, including the types of ninety-one species, mostly described by Mr. Da Costa; presented by the late S. I. Da Costa, Esq.

Twelve hundred and nineteen land shells from the Canary Islands; presented by Lieut.-Colonel G. S. Parry.

Two hundred and twenty-one land and marine shells from New Zealand, mostly new to the collection, and named by Mr. H. Suter; purchased.

Three hundred and eleven shells from various localities; including the types of thirty-five species from the Gulf of Oman, described by J. C. Melvill, the type of fourteen terrestrial species from Nias Island and the Philippine Islands, and many other species new to the collection; purchased.

Two hundred and ninety-one shells from many localities, including co-types of thirty-eight species, the rest of the specimens representing species new to the collection; purchased.

Seventy-seven shells from Java and other localities, including the types of fourteen species from South Africa; presented by J. H. Ponsonby, Esq.

Thirty-one pearls from *Unio*, *Mytilus*, *Pecten*, and *Haliotis*, a very remarkable "Octopus" with branching arms, and one hundred and forty-five marine and freshwater shells, all from Japan; presented by R. Gordon Smith, Esq.

One hundred and sixteen shells from New Caledonia and other localities, including the types of eleven new species; purchased.

Three hundred and ninety-nine marine shells from the Andaman Islands, being a selection from a very large collection made by the late Rev. J. L. T. Warneford whilst chaplain to the forces in the Islands; purchased.

Three hundred and fifteen marine shells, named by Mr. C. Hedley, of the Australian Museum, Sydney, being a first set of the duplicates of the "Miner" and "Woy-Woy" Expeditions off New South Wales; presented by Prof. W. A. Haswell.

One hundred and sixty-nine marine shells from Japan, including many species recently described; purchased.

One hundred and two shells from Lakes Tanganyika and Mweru, including five new species; collected and presented by R. L. Harger, Esq.

Fifty-six shells from various localities, including the types of thirty-eight species described by J. de Grateloup in the year 1840; purchased.

Sixty-six land and freshwater shells from Central Africa, nearly all new to the collection; presented by the subscribers to the Ruwenzori Expedition.

One hundred and three shells from the Capricorn coral reefs off Queensland, including co-types of thirty-one species described by Mr. Hedley; collected and presented by C. Hedley, Esq.

*Crustacea*.—The additions number two thousand five hundred and fifty-four; of this large number seven hundred and forty-nine are specimens of *Decapoda*, *Cumacea*, *Amphipoda*, *Ostracoda*, *Cirripectida*, *Leptostraca*, and



*Pycnogonida* from the "Discovery" collections, and include the types of the numerous new species described in the reports already published; of the remaining additions the following are the most important:—

A specimen of *Dromidia excavata* from Australia; presented by Prof. J. P. Hill.

Forty-four specimens of Freshwater Prawns, and seven specimens of other Crustacea, including co-types of twelve recently described species; received in exchange from the Paris Museum.

Twelve specimens of Arctic Crustacea; presented by Prof. D'Arcy W. Thompson, C.B.

Thirty-six specimens of Crustacea, including types of two recently described species; presented by A. O. Walker, Esq.

Eight river-crabs from Northern Australia; presented by Sir William Ingram, Bart, and the Hon. John Forrest.

Thirty-one Crustacea from Trivandrum; presented by the Trivandrum Museum.

Two Co-types of Cumacea from the German South Polar Expedition; presented by Dr. C. Zimmer.

Twenty-nine specimens of Decapoda from the "Research" Expedition; presented by Dr. G. H. Fowler.

Twenty-eight Crustacea from South Africa; purchased

Eighty specimens of Crustacea from Japan; presented by R. Gordon Smith, Esq.

Six River-Crabs from Yunnan-Fu; purchased.

Thirty Crustacea from New Zealand, including the types of a new species; presented by Miss Margaret Benson, D.Sc.

Ten terrestrial Isopoda from Morocco; presented by the Hon. Walter Rothschild, M.P.

Nine Crustacea from Ceylon; presented by Dr. A. Willey.

Three River-Crabs from East Africa; presented by the Earl of Crawford.

Thirteen Branchiopoda from India, including co-types of three species, and four Crustacea from Norfolk; presented by R. Gurney, Esq.

Twelve Crabs from Madagascar and Peru; purchased.

Forty-nine freshwater Decapoda from Mexico and Guatemala; presented by F. D. Godman, Esq., F.R.S.

Three hundred and ninety-seven Brachyura, including types of twenty-four species and varieties, from Ceylon; presented by Prof. W. A. Herdman, F.R.S.

Six Crayfish from Belgium; presented by Prof. G. Gilson.

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Fifty-two terrestrial Isopoda from Scotland, including co-types of two species; presented by Alexander Patience Esq.

Two River-Crabs from the Chirinda forest; presented by C. F. M. Swynnerton, Esq.

Two River-Crabs from the Blue Nile; presented by Capt. Stanley S. Flower.

Six freshwater Decapoda from the Cameroons; purchased.

Four deep-sea Prawns from Australia; presented by Prof. W. A. Haswell.

Fifty terrestrial Isopoda from Ireland; presented by R. Pack Beresford, Esq.

Seventeen Crustacea taken from deep-sea cables; presented by Dr. F. Wood Jones.

Thirty Crustacea from India, including co-types of eight recently described species; presented by the Trustees of the Indian Museum, Calcutta.

A Crab with malformed leg; presented by F. Hyde Moberly, Esq.

Two Lobsters; presented by the Directors of Harrod's Stores, Ltd.

A series of Hermit-Crabs illustrating the effects of parasitism; presented by F. A. Potts, Esq.

A large Crayfish from Western Australia; presented by W. E. Balston, Esq.

Eighty-four specimens of Cumacea including co-types of nineteen new species; presented by the Copenhagen Museum of Zoology.

Nine Cumacea, including type of a new species; presented by G. M. Thomson, Esq.

Two River-Prawns from Trinidad; presented by T. J. Potter, Esq.

Fifty-seven Prawns from the Thames Estuary, including one species new to the collection; presented by Dr. Murie.

Ten subterranean Amphipoda from Ireland; presented by W. F. de Visines Kane, Esq.

Four specimens of *Apus cancriformis* from Scotland; presented by F. Balfour Browne, Esq.

Twenty-one terrestrial Isopoda from Jamaica; presented by the Hon. W. Fawcett.

Three fresh-water Crustacea from Central Australia; presented by H. J. Hillier, Esq.

One hundred and seventeen terrestrial Isopoda from Europe; purchased.

Two hundred and twenty-three Arctic Crustacea, mostly of species new to the collection; received in exchange from the Museum of University College, Dundee.

Thirteen Crustacea from Japan; presented by His Grace the Duke of Bedford, K.G.

Five Prawns from Lake Albert; presented by Dr. R. T. Leiper.

One hundred and fifty specimens of Schizopoda (species new to the collection); presented by the Department of Agriculture for Ireland (Fisheries branch).

*Arachnida and Myriopoda.*—The accessions number three thousand two hundred and sixty, one thousand seven hundred and ninety of which were presented and one thousand four hundred and seventy purchased. The most important are:—

Seven hundred and fifty-two Arachnida and Myriopoda from Uganda and Victoria Nyanza; purchased.

Four hundred and six Ticks from Transcaucasia; presented by Dr. Dschunkowsky.

Three hundred and forty-two Ticks from Mexico: presented by the Natural History Branch of the Mexican Geographical Commission.

Two hundred and fifty-three European Myriopods including co-types of seventeen forms; purchased.

Two hundred and twenty-five Ticks, taken on various animals in Mauritius; presented by Monsieur D'Emmery de Charmoy.

One hundred and forty Ticks from British Central Africa; presented by Dr. J. E. S. Old.

One hundred and eight Arachnida and Myriopoda, including the typical specimen of a new species of Spider (*Cladomela ornata*), from Ruwenzori; presented by the subscribers to the Ruwenzori Expedition Fund.

Sixty-eight Pseudoscorpions and Acari from various localities, including co-types of nine species; purchased.

Fifty-nine Arachnida and Myriopoda from the Transvaal and the Orange River Colony; purchased.

Fifty-six Arachnida and Myriopoda from Morocco; purchased.

Fifty Scorpions and Solifugæ, including two species new to the collection, from the Fayum; presented by C. L. Boulenger, Esq.

Forty-three Arachnida and Myriopoda including the type of a new Spider (*Selenocosmia stalkeri*) from Western and Northern Australia: presented by Sir William Ingram, Bart., and the Hon. John Forrest.

Forty-one Arachnida from Madagascar, including the types of three species; purchased.

Twenty-three Arachnida and Myriopoda, including a new species of Spider, from S.E. Rhodesia and Portuguese Gazaland; presented by C. F. M. Swynnerton, Esq.

Eleven Arachnida and Myriopoda from the Argentine Republic; presented by Sir Henry Howarth.

*Insecta*.—Thirty-seven thousand six hundred specimens have been added to this part of the collection during the year, composed as follows:—

Coleoptera - - - - -	10,348
Lepidoptera - - - - -	11,873
Hymenoptera - - - - -	4,939
Diptera - - - - -	5,121
Rhynchota - - - - -	2,510
Orthoptera - - - - -	948
Neuroptera - - - - -	313
Collembola - - - - -	853
Anatomical slides, nests, eggs, &c. - - -	695
Total - - - - -	<u>37,600</u>

The following are some of the most important of these accessions:—

(From various Localities.)

Nine hundred and eighty-seven Holarctic and Oriental *Lycenidae*, one hundred and fifty-five Neotropical *Nymphalidae*, two hundred and forty-four Lepidoptera from the Congo, eight hundred and eighty-eight Central American *Anthribidae*, two thousand one hundred and fifty-five North and Central American Coleoptera, and one hundred and seventy North American *Chrysididae*; presented by F. D. Godman, Esq., D.C.L., F.R.S.

Six hundred and sixty-four *Lycenidae*, and one thousand four hundred and thirteen *Hesperidae* from the Holarctic and Oriental Regions; presented by H. J. Elwes, Esq., F.R.S.

One thousand eight hundred and ninety-three Hymenoptera, and seventy-five Coleoptera, chiefly from Australia, and including a very large number of types; presented by R. E. Turner, Esq.

Six hundred and seventy-five Mosquitoes, five hundred and twelve Microscopical preparations of wings, etc., and one hundred and fifty-six photographic negatives of wings, etc., the material on which Mr. F. V. Theobald wrote the 4th volume of the "Monograph of *Culicidae*."

One hundred and ten Lepidoptera, chiefly types of Moths; purchased.

Eight hundred and fifty-three named Collembola; purchased.

Sixteen Butterflies, two hundred and seventy-nine Moths, four larvæ and four pupæ, eight Coleoptera, twenty-five Hymenoptera, five Neuroptera, and sixty Diptera, from Jamaica, Canary Islands, and Algeria, and twelve prepared larvæ of British Lepidoptera; presented by the Right Hon. Lord Walsingham.

## (From Europe.)

Seven hundred parasitic Hymenoptera from the British Isles, chiefly Flexiliventes; presented by G. C. Bignell, Esq.

One thousand and seventy-four Diptera from Great Britain; presented by Lt.-Col. Yerbury.

One hundred and eight Diptera from Bulgaria; presented by Sir G. W. Buchanan, K.C.V.O., C.B.

Two hundred larvæ of European Coleoptera from Germany, etc.; presented by Dr. K. Jordan.

## (From Africa.)

Ninety Hymenoptera, eight Neuroptera, one hundred and thirty Rhynchota, six hundred and thirty-nine Coleoptera, eighty Moths and three larvæ, one cocoon of *Helicopris*, fifteen Diptera, and one hundred and ninety-three Orthoptera from Mashonaland and Gazaland; presented by G. A. K. Marshall, Esq.

Two hundred and six Moths from the Transvaal; presented by A. J. T. James, Esq.

Two hundred and seventy-eight Coleoptera, fifty-two Hemiptera, two Hymenoptera, and one Orthopteron from Beira, Portuguese East Africa; presented by C. D. Rudd, Esq.

Fifty-nine Coleoptera, sixty-six Orthoptera, forty-eight Hymenoptera, thirty Neuroptera, and one hundred and forty-five Moths from Boksburg, Transvaal; presented by C. H. Pead, Esq.

## (From the Oriental Region.)

One hundred and six Coleoptera, chiefly types, two *Formicidae*, and one Hemipteron from India; presented by H. E. Andrewes, Esq.

Three hundred and seventy-nine Coleoptera, twenty-two Hymenoptera, five Orthoptera, and twenty-four Rhynchota from the Malay Peninsula; presented by H. C. Robinson, Esq.

Twelve Butterflies, one hundred and eighty-four Moths, fifty-six Coleoptera, eleven Hymenoptera, four Diptera, seventeen Rhynchota, four Orthoptera, and four Neuroptera, from Singapore, Johore, etc.; presented by H. N. Ridley, Esq.

One thousand seven hundred and seven *Pieridæ* from India and the Malay States, part of the collection of the late Dr. F. Moore; purchased.

Sixty-eight Coleoptera, one hundred and fifty-eight Hymenoptera, one hundred and eight Butterflies, fifty-six Moths, twenty Neuroptera, twenty-four Rhynchota, fifty-eight Orthoptera, and one hundred and thirty-six Diptera

from Seychelles Islands, Aldabra I., etc. ; presented by P. R. Dupont, Esq.

Two thousand one hundred and three Coleoptera, three hundred and eighty-seven Rhynchota, two hundred and ninety-one Diptera, five hundred and ten Hymenoptera, eighty-three Neuroptera, thirty-one Orthoptera, and nineteen Moths from Tientsin and Shan-Hai-Kwan, N. China ; presented by F. M. Thomson, Esq.

One hundred and forty-five Coleoptera thirty-nine Hemiptera, four Hymenoptera, and three Orthoptera from Sanga-Sanga, E. Borneo ; presented by Harold P. Jensen, Esq.

(From Australia, New Zealand, etc.)

One thousand and fifty Rhynchota from Queensland ; purchased.

Forty-five Butterflies, ninety-three Moths, nine hundred and fifty Coleoptera, one hundred and ninety Rhynchota, one hundred and thirty six Hymenoptera, one hundred Diptera, two hundred and five Orthoptera, and thirty-three Neuroptera from North Australia ; and two hundred and thirty-six Coleoptera and three hundred and thirty-eight Butterflies from the Aru Islands ; presented by Sir W. Ingram, Bt.

One Butterfly, eighty-five Moths, twenty-six Neuroptera, fifteen Orthoptera, thirty-four Hymenoptera, twenty-five Diptera, and thirty-three Rhynchota from Queensland ; purchased.

Five hundred and one *Tineidæ* from Australia and New Zealand ; presented by the Hon. Walter Rothschild, M.P.

(From America.)

Thirty-two Lepidoptera, sixty-five Orthoptera, fifty-five Neuroptera, fifty-four Hymenoptera, ninety four Rhynchota, and twenty-five Diptera from Parana, Brazil ; presented by E. Dunkinfield Jones, Esq.

One hundred and twenty-eight Moths and forty Butterflies from Canada ; presented by Dr. J. Fletcher.

Two hundred and thirty-one Homoptera from St. Vincent ; presented by the West Indian Exploration Committee.

Seventy Moths from Peru, etc ; presented by Mons. P. Dognin.

Three hundred and twenty Moths from Canada ; presented by F. H. Wolley Dod, Esq.

*Prototracheata*.—The additions number twenty-six, a comparatively large number for this small group ; five of these were obtained by exchange with the Museum of the Jardin des Plantes ; all the specimens have had the advantage of being determined by Prof. Bouvier.

Among the specimens received, attention may be called to the rare *Peripatus tholloui*, *biollegi*, and *corradui*, described by Prof. Bouvier.

The additions to this small but very interesting group keep the collection well in advance of that of any other Museum.

*Echinoderma*.—The additions include the last batch of the "Discovery" specimens, of which altogether nearly two hundred specimens have been acquired.

The great interest of the Antarctic Echinoderma lies in the valuable evidence they afford as to the extreme variability of this group; good series of *Cycethra verrucosa*, of *Ophiosteira antarctica*, and others have been obtained.

Of the Echinoderma obtained by exchange from the Mus. Comp. Zool., Cambridge, Mass., U.S.A., mention should be made of *Aporocidaris milleri*, *Synapta vivipara* from Jamaica, *Rosaster alexandri*, and *Ophiostigma isacanthum*.

*Echinodiscus auritus* from Lhanban, E. Africa, was presented by Mr. W. T. Sneyd.

Among the species selected from the Stanley Gardiner collection mention may be made of the rare *Brisingaster robillardi*, *Echinolampas oviformis*, the little known *Ophioteropsis elegans*, and the rare *Neoplax ophiodes*; there is also an interesting example of an immature *Gorgonocephalus verrucosus*, and a good supply of the early stages of several Ophiuroids.

*Vermes*.—The most important is the collection made by Prof. Benham, F.R.S., in New Zealand, and determined by Prof. Ehlers, of Göttingen, who has published a full report on it.

Mention may also be made of a rare round worm (*Strongylus ostertagi*) from a collection presented by Mr. Godman, F.R.S., and of nine earthworms collected at a height of from 6,000 to 9,000 feet on the slopes of Ruwenzori.

*Anthozoa*.—With the exception of the fourteen specimens collected by the "Discovery," there was no special object of interest in the small addition made to the collection of these animals.

*Polyzoa, Hydrozoa, Porifera*.—A collection of Indian fresh-water Sponges, Hydrozoa, and Polyzoa (including co-types), received in exchange, per Dr. N. Annandale, from the Indian Museum, Calcutta.

A set of fragments removed from the type specimens of Hexactinellida from the Indian Ocean, described by Prof. F. E. Schulze.

A collection of twenty-three specimens of fresh-water Sponges and Polyzoa collected by R. Kirkpatrick in Bombay, Agra, Calcutta, and Sikhim.

The Sponges collected by the "Discovery" (National Antarctic Expedition), comprising two hundred and fifty bottles of specimens, from which 1,539 preparations were made, and belonging to the following groups:—

	Bottles of Specimens.	Preparations.
Calcarea - -	54	99
Hexactinellida - -	36	210
Tetractinellida - -	42	320
Monaxonellida - -	118	910
	<u>250</u>	<u>1,539</u>

The Hydroida, comprising forty-seven specimens, obtained by the "Discovery," and described by Prof. S. J. Hickson, F.R.S., and F. H. Gravely.

A magnificent series of forty-two specimens of *Cephalodiscus*, and including types of three new species, partly collected off S. Africa by Dr. J. D. F. Gilchrist, and partly obtained by the "Discovery" from the Antarctic, was added to the collection. The S. African species (*C. gilchristi*) was described by Dr. W. G. Ridewood; one of the Antarctic species (*C. nigrescens*) by Prof. Sir E. Ray Lankester, and the other (*C. hodgsoni*) by Dr. Ridewood.

The type specimens, forty-two in number, of the new species of Tunicata obtained from the region of the Ceylon Pearl Fisheries; described and presented by Prof. W. A. Herdman, F.R.S.

A collection of thirty-eight bottles of specimens of Tunicata from Japan and the Kurile Islands; purchased.

#### VI.—*Economic Zoology.*

The work in connection with this Section has had reference chiefly to insects, as in former years. The interest taken in the spread of disease by insect agency remains, and numerous biting flies have been sent for determination and advice. Many insects injurious in other ways have also been sent to be named.

The following are some of the subjects of inquiry:—

- (1) Larvæ of flies working under the skin of human beings in the Transvaal and causing sores. The specimens sent were *Cordylobia anthropophaga*.
- (2) Inquiry respecting the life-history of Warble Flies, which the sender believed to have at least two broods in the year.



- (3) Inquiry as to the identity of certain flies from septic tank and manure at Mecrut, which might possibly disseminate enteric fever.
- (4) Inquiry as to the life-history of the common House-fly, a possible disease-carrier, and asking advice as to what steps should be taken to diminish their number.
- (5) A similar inquiry from another part of England.
- (6) Inquiry as to gnats (*Theobaldia annulata*) very troublesome at St. Albans.
- (7) Names asked for two beetles (*Alaus speciosus* and *Niphon sp.*) which injure rubber plants (*Hever*) in Ceylon.
- (8) Caterpillar of a moth eating the roots of Lily of the Valley. (*Hepialus*.)
- (9) Name wanted for a weevil injurious to oranges in New Zealand. (*Cylas turcipennis*.)
- (10) Dipterous larvæ in human alimentary canal, Hampshire. These were found to be *Eristalis tenax*.
- (11) Insects injuring cotton in Mosambique. These were *Diparopsis castanea*, *Ephestia sp.*, *Chlorida obsoleta*, *Cosmophila erosa*.
- (12) Four inquiries respecting House Mites.
- (13) Bees disfiguring lawn—*Andrena fulva*.
- (14) Small beetles in Indian corn from Accra. *Aræocerus coffea*.
- (15) Small beetles destroying furniture. *Anobium domesticum*.
- (16) Small beetles destroying chair. *Lyctus canaliculatus*.
- (17) Two inquiries respecting minute wingless insects in houses in the City and at Clapham. *Psocidae* (Paste Mites).
- (18) Small beetles gnawing away the metal edges in organ pipes. *Niptus hololeucus*.

#### VII.—Visitors and Students.

The number of visits paid to the three sections of the Department by Students and other persons requiring assistance or information amounted to 11,043. In the 10 previous years the numbers were:—

10,813	in the year	1906.
11,811	"	1905.
11,824	"	1904.
11,627	"	1903.
10,633	"	1902.
12,813	"	1901.
11,923	"	1900.
10,728	"	1899.
10,830	"	1898.
9,708	"	1897.

*E. A. Smith.*

## DEPARTMENT OF GEOLOGY.

I.—*Arrangement and Conservation.*

*Mammalia* (Galleries 1 and 2).—The drawers of unexhibited Palæolithic implements in table-case 1 have been rearranged for more convenient reference.

The unexhibited remains of Ursidæ have been arranged and labelled in the drawers of table-case 3.

The Creodonta, exhibited in table-case 3A, have been rearranged to admit important recent acquisitions, which have been tableted and provided with printed labels.

Plaster casts of skulls of *Okapia johnstoni* have been mounted and placed in pier-case 14, for comparison with the skull of *Samotherium*.

The top of a skull of *Arsinoitherium zitteli*, from the Upper Eocene of the Fayum, has been mounted on the wall adjoining wall-case 22.

Case V., containing the Sirenia, has been repainted and rearranged for the addition of a new skeleton of *Halitherium schinzi*, which has been mounted on ironwork. New labels have been prepared and printed both for this case and for the smaller remains of Sirenia rearranged in pier-case 29.

The fore and hind limbs of *Diprotodon australis* have been incorporated in a complete restoration of the skeleton of this extinct Marsupial, which has been mounted and exhibited on a temporary stand in the Great Hall, before being placed in wall-case 27.

The earliest known drawing of a skeleton of *Megatherium*, by a Spanish artist, has been framed and placed on the wall near Case Z.

Remains of a new pigmy elephant (*Elephas creticus*) discovered by Miss D. M. A. Bate in the caverns of Crete, have been tableted, labelled, and exhibited in table-case 17A.

A large mandible of *Tetrabelodon* from the Loup Fork Formation of Kansas, U.S.A., has been mounted and exhibited in pier-case 42.

Wall-case 43 has been completely rearranged and repainted, to incorporate recent acquisitions of primitive Proboscidea. The naming of the remains of *Dinotherium* has been revised, and new printed labels have been prepared. A new descriptive label has been placed on the adjoining wall.

Teeth and jaws of *Moeritherium* and *Palæomastodon* have been mounted and labelled, and added to the exhibition of Proboscidean molars in table-case 24.

An old lithograph of the skeleton of the American Mastodon, as originally mounted by Albert Koch, has been framed and placed on the wall near Stand B.

Number of specimens of Mammalia registered, 601.

*Reptilia and Amphibia* (Galleries 3, 4, 5, 11).—New cabinets with more commodious drawers have been fixed beneath the table-cases 30 to 35, and the unexhibited remains of Anomodont Reptiles and Labyrinthodontia have been transferred to them.

The smaller remains of *Pteranodon* have been rearranged and labelled in table-case D, to admit a new skull and mandible from the Chalk of Kansas, U.S.A.

A plaster model of the skeleton of *Triceratops*, from the Upper Cretaceous of Wyoming, U.S.A., has been mounted on a stand in the Gallery of Reptiles, Department of Zoology.

Two large slabs of footprints from the Keuper Sandstone of Storeton, Cheshire, have been framed and mounted in wall-case 11, Gallery 11.

New Labyrinthodont remains, including a mandible of *Labyrinthodon leptognathus* from the Keuper of Leamington, have been tableted and labelled and added to table-case V.

Two new pier-cases have been erected for the unexhibited remains of *Ophthalmosaurus* from the Oxford Clay (Leeds Collection) in the S.E. Basement Corridor.

Number of specimens of Reptilia and Amphibia registered, 153.

*Pisces* (Gallery 6).—The collection of *Macropoma* in wall-case 7 has been re-arranged, with new fittings, to accommodate the skull of *Mawsonia gigas*, which has been framed and labelled.

The Cretaceous Dercetidæ in table-case 27 and the English Chalk Fishes in table-cases 25, 26, have been retableted with printed labels. The naming of the specimens of Chirocentridæ, Plethodontidæ, and Elopidae has been revised.

Some fragile specimens of *Hoplopteryx lewesiensis* from the English Chalk, in wall-case 16, have been fixed in mahogany frames.

The recent acquisitions from the Caroline Birley Bequest have been labelled and incorporated.

Number of specimens of Pisces registered, 389.

*Mollusca* (Galleries 7 and 8).—During the preparation of the Guide Book, a large part of the exhibited collections of Cephalopoda in Gallery 7 has been rearranged, the changes having affected wall-cases 1, 7, 8, and 14, and nearly all the table-cases. The main result is that, apart from the general introductory series in table-case 1, the exhibited collection is

now arranged in zoological sequence under the three orders: Nautiloidea (table-cases 2 and 3, wall-cases 1 and 2 on the west side, and 13 and 14 facing them, on the east), Ammonoidea (table-cases 4-15, wall-cases 3-6 on the west, 9-12 on the east), Belemnoida (table-case 16, wall-cases 7 and 8). Within each order the specimens are now grouped under the chief geological periods in ascending sequence. In the course of the work many minor improvements of labelling and changes in the exhibited specimens have also been introduced.

The Conularida, or so-called Pteropods of Palæozoic age, have been removed from table-case 16, Gallery 7, and re-arranged in table-case A7 at the north end of Gallery 8.

A series of fossil shells showing colour-markings, has been tableted and labelled for exhibition in wall-case 3, Gallery 8.

A piece of fossil wood from the London Clay, bored by *Teredo antenauta*, has been mounted in a special case in the middle of Gallery 8.

Post-Pliocene Lamellibranchia and Gastropoda from the Thames Valley, and Pliocene Mollusca from St. Erth, Cornwall (Warburton Collection); various Tertiary Mollusca from Turkey; Cretaceous Mollusca from Brazil (Mawson Collection) and Austria; Jurassic Mollusca from England and France (Blake Collection), and various other recent acquisitions have been registered, labelled, and incorporated in the unexhibited collection.

Number of specimens of Mollusca registered: Cephalopoda, 362; Gastropoda, 3,066; Lamellibranchia, 1,706.

*Arthropoda* (Gallery 8 and Workroom).—The registration, labelling, and arrangement of the unexhibited Crustacea Decapoda has been completed, and all the incorporated Arthropoda are now in order for scientific study. The transference of the contents of the drawers is, however, still in progress; all the British Trilobites and the Cambrian and Ordovician species among foreign Trilobites have been removed to 129 drawers of the new cabinets in the Workroom, to which the whole Arthropod collection will ultimately be transferred.

The following are the chief collections registered and incorporated during the year:—A Laur, Senonian cirripedes from Rügen; R. S. Bassler, Palæozoic Ostracoda from N. America; W. Madeley, various Carboniferous species from the ironstone of Staffordshire; T. Warburton, Decapoda from the Pliocene of St. Erth; R. Hudson, various trilobites; and especially the Caroline Birley Collection, containing arthropods from various British and foreign localities. Specimens have also been added from the collections of Col. C. C. Grant (Canadian trilobites), Dr. L. Szajnocha (Silurian of Podolia and Galicia), J. Mawson (Brazil), the late Prof. J. F. Blake, and H. Keeping (Shinerton trilobites).

The collection of exhibited Arthropoda has been entirely rearranged, the British specimens in table-cases 20-26, the foreign specimens in wall-cases 12-14, with the result that the arrangement now follows the modern classification of the Phylum, as adopted in the new Guide Book. In connection with this work many specimens have been rejected and more appropriate examples substituted, and among those now placed on exhibition are a series of *Tropidocaris* described by C. E. Beecher, the oldest known *Prosopeon*, well-preserved insects from the Coal-measures of Commeny, the rare *Lithomantis*, and *Julus*.

A wax model of the Silurian *Eurypterus fischeri*, twice natural size, has been made after the specimens in the Department and the descriptions of Prof. G. E. Holm, and is placed on exhibition.

Number of specimens of Arthropoda registered, 1,397.

*Annelida* (Gallery 8).—Numerous specimens from the following collections have been registered, labelled, and incorporated during the year:—J. F. Blake and Caroline Birley Collections from various localities and horizons; Col. Grant Collection from the Lower Palaeozoic rocks of Ontario; S. S. Buckman Collection from British Jurassic rocks; Collections of W. Gamble, A. W. Rowe, and T. H. Withers from the Upper Cretaceous of Britain, and of A. Laur from that of Rügen.

In the exhibited series some corrections have been made, and labels printed for the problematical British fossils assigned to *Nereites* and *Nereitopsis*.

Number of specimens of Annelida registered, 1,852.

*Polyzoa* (Gallery 8 and Workroom).—Progress has been made in the fitting of the cabinets of unexhibited Polyzoa in the workroom, and their arrangement has been continued.

Numerous recent acquisitions of Cretaceous Polyzoa have been sorted and mounted on wooden slips preparatory to study and cataloguing.

A number of specimens, formerly registered as Corals, have been removed from that group in Gallery 10, and placed with the Polyzoa, in both the exhibited and unexhibited series.

Number of specimens of Polyzoa registered, 2,237.

*Brachiopoda* (Gallery 8).—The arrangement, registration, and labelling of the unexhibited collection already in the drawers has been completed, and to it there have been added specimens from the J. E. Lee general collection, and the L. Szajnocha collection from the Silurian of Galicia as well as the following more recent accessions: A. S. Piret Collection from the Carboniferous of Tournai; Addison Crofton Collection from the Carboniferous of Yorkshire and the Jurassic

of the South of England ; R. H. Valpy Collection from the Budleigh Salterton beds ; J. F. Blake Collection from the Jurassic of France, Russia, and India ; A. Laur Collection from the Senonian of Rügen ; Anstice, Butler, Hudson, Meade, and Mockler Collections mainly from British rocks.

The old labels have been revised, particularly in the case of the British Carboniferous, Jurassic, and Cretaceous specimens.

The old exhibited series of British Jurassic Brachiopods has been removed, and is being replaced by a new selected series in table-case 17, with names and horizons carefully determined. Many corrections have also been made in the exhibited series of British Cretaceous and Carboniferous Brachiopods, and some new labels have been printed. In connection with the new Guide Book the whole British exhibited series has been rearranged.

Number of specimens of Brachiopoda registered, 5,637.

*Echinoderma* (Gallery 8).—Several specimens, especially the British Cretaceous Asteroidea, have been re-registered with separate numbers, while their naming has been revised.

The following are the chief recent accessions that have been registered, labelled, and incorporated:—Caroline Birley Collection of Echinoids, Asterooids, and Crinoids, from the Danian of Faxe, the Miocene of Malta, and a number of British localities and horizons ; J. F. Blake Collection of Echinoids, Asterooids, and Crinoids from Britain many European countries, and India, chiefly Jurassic ; Addison Crofton Collection of Echinoids and Crinoids from the Jurassic of the S. of England and the Carboniferous of Yorkshire ; A. Laur Collection of Echinoids from the Chalk of Rügen ; J. Miguel Collection of Cambrian Cystids ; A. S. Piret Collection of Tournaisian Echinoids, Crinoids, and Blastoids ; A. W. Rowe Collection of Cenomanian Echinoids from Devonshire ; T. Stock Collection of Carboniferous Crinoids from Alveston.

The unexhibited collection of British fossil Echinoderma has been rearranged in a larger number of drawers (186 in all) so as to admit of the above and future incorporations.

To bring the exhibited series into a more logical arrangement, the British Collection of Ophiuroids, Asterooids, and Palaeozoic Echinoids has been entirely rearranged in table-cases 29 and 30. Various Echinoids, both British and foreign, have been labelled and mounted for exhibition.

The porcelain tablets on table-cases A7, and 17-32, containing the Conularida, Brachiopoda, Arthropoda, Annelida, and Echinoderma, have been provided with new labels, in accordance with the new arrangements.

Number of specimens of Echinoderma registered: Echinoidea, 786; Asteroidea and Ophiuroidea, 123; Crinoidea, 874; Cystidea, 4; Blastoidea, 24; Total, 1,811.

*Anthozoa* (Gallery 10).—The Jurassic Corals from the Inferior Oolite and Lias formations have been arranged and labelled, while registering and incorporating recent acquisitions.

The typical collection of British Jurassic Corals exhibited in table-cases 15 and 16 has been completed.

Number of specimens of Anthozoa registered, 2,567.

*Hydrozoa, Porifera, and Protozoa* (Gallery 10).—Various specimens of fossil jelly-fishes, hitherto scattered, have been placed together on exhibition in wall-case 6c.

The Receptaculitidæ have been separated from the Porifera and exhibited together in table-case 15.

A large collection of Foraminifera, chiefly from the Chalk of Rügen, has been sorted and mounted on wooden slips preparatory to study.

The exhibited Radiolaria in table-case 15 have been re-arranged, and a set of models illustrating the structure of the various orders has been modified in shape and colour; all these have been provided with explanatory labels. A model of a nummulite has had the various parts labelled, and is exhibited in table-case 16. Beside it has been placed a set of nummulites, with enlarged drawings and explanatory labels, to illustrate dimorphism in the Foraminifera.

Number of specimens registered, 1,205.

*Plantæ* (Gallery 10).—Recent acquisitions have been labelled and incorporated in the collection.

A large block of petrified plant-remains from the Coal-measures of Lancashire, has been mounted for exhibition on a separate stand.

Number of specimens of Plantæ registered, 242.

*Tracks, &c., and Stratigraphical Collection* (Gallery 11).—Part of wall-case 8 has been rearranged to accommodate some recently acquired specimens from the Wealden of Sussex.

A specimen of "wash-out" from the Shop pit, Ravensworth Colliery, co. Durham, has been placed on exhibition with an explanatory diagram and label in wall-case 1.

## II.—*Mounting, etc.*

The restored skeleton of *Diprotodon*, from the Pleistocene of Australia, has been mounted on ironwork.

A skeleton of *Halitherium* has been prepared and mounted on ironwork.

A reproduction in plaster of the vertebral column of *Arsinoitherium* has been made, for incorporation in a complete model of the skeleton of this Egyptian Eocene mammal.

A mandible of *Tetrabelodon*, from the Loup Fork Formation of Kansas, has been prepared and mounted for exhibition.

Reptilian remains from the Karoo Formation of South Africa have been extracted from hard matrix.

Skeletons of *Peloneustes*, *Pliosaurus*, and other reptiles, from the Oxford Clay of Peterborough, have been prepared for study and exhibition.

Fishes from the Chalk of Kansas, and fish-remains from the English Chalk have been prepared for study and exhibition.

A piece of fossil wood from the London Clay, bored by *Teredo*, has been hardened, prepared, and mounted.

Plaster casts of skulls of Okapi, and numerous plaster casts for exchange, have been made.

Various recently acquired fossils have been trimmed preparatory to incorporation in the collection.

### III.—*Printing of Labels.*

The Museum Printer continues to devote one day each week to the preparation of labels for the Department of Geology; but a Boy Attendant in the Department composes and prints most of the labels, and has this year prepared upwards of 966 (and 6,530 prints of these).

### IV.—*Exchanges and Duplicates.*

Exchanges of plaster casts and duplicate fossils have been made with the following institutions:—Senckenberg Museum, Frankfurt; Palæontological Museum, Munich; Yale University Museum; and Amherst College, U.S.A. Small exchanges have also been made with Messrs. F. H. Butler, W. Storrs Fox, A. Escuti Orrego, and William Taylor.

Duplicate fossils have been presented to University College, London. Small duplicates and plaster casts for purposes of research have been supplied to Dr. F. Beyschlag, Prof. C. Depéret, Dr. Otto Reis, and Mr. I. A. Stigand.

### V.—*Departmental Library.*

The additions to the Library, which have been registered, stamped, catalogued, and press-marked, comprise 177 new works and pamphlets, of which 48 were purchased and 129 presented; 575 parts of serials in progress, of which 224 parts were purchased and 351 presented; 291 maps, of which



14 sheets were purchased and 277 presented; 9 photographs presented; and 1 diagram purchased. 205 volumes have been bound.

Most of the maps published by the European Geological Surveys have been transferred to a new map-case, which has been provided this year.

#### VI.—*Publications.*

The Guide Book to the Fossil Invertebrate Animals has been re-written and published.

The MSS. of the Catalogues of Marine Reptiles of the Oxford Clay, Fossil Fishes (Supplement), and Cretaceous Bryozoa, have made progress.

Apart from the official publications issued by the Trustees, various descriptive papers dealing with different parts of the collection, chiefly recent acquisitions, have been contributed to scientific journals during 1907:—

By A. S. Woodward, LL.D., F.R.S.

1. Notes on some Upper Cretaceous Fish-remains from the Provinces of Sergipe and Pernambuco, Brazil. *Geol. Mag.* [5], vol. iv., pp. 193-197, pl. vii.
2. On a Reconstructed Skeleton of *Diprotodon* in the British Museum (Natural History). *Ibid.*, pp. 337-339, pl. xv.
3. On a new Leptolepid Fish from the Weald Clay of Southwater, Sussex. *Ann. Mag. Nat. Hist.* [7], vol. xx., pp. 93-95, pl. i.
4. On the Cretaceous Formation of Bahia (Brazil) and on Vertebrate Fossils collected therein. *Quart. Journ. Geol. Soc.*, vol. lxxiii., pp. 128-139, pls. vi.-viii.
5. On a new Dinosaurian Reptile (*Scleromochlus taylori*) from the Trias of Lossiemouth, Elgin. *Ibid.*, pp. 140-144, pl. ix.
6. On a new Chimæroid Fin-spine from the Portland Stone. *Proc. Dorset N. H. Field Club*, vol. xxvii., pp. 181, 182, pl. A.
7. On a Pycnodont Fish of the Genus *Mesodon* from the Portland Stone. *Ibid.*, pp. 183-187, pl. B.
8. Notes on Cretaceous Fish-Teeth from the Mouth of the Umpenyati River, Natal. *Third Report, Geol. Surv. Natal*, pp. 99-101, pl. x.
9. Coal-measure Fish-Scales. *Ibid.*, p. 101.
10. Fossil Fish from the Chalk of North Lincolnshire. *The Naturalist*, 1907, p. 306.

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11. On a Mandible of *Labyrinthodon leptognathus*, Owen. Rep. Brit. Assoc., Leicester.

12. The Fossil Fishes of the English Chalk, Part III. Mon. Palæont. Soc.

By F. A. Bather, M.A., D.Sc.

1. Ordovician Cystidea from Burma (in F. R. C. Reed, The Lower Palæozoic Fossils of the Northern Shan States, Burma). Palæont. Indica, N.S., vol. ii., No. 3, pp. 6-40, pls. i, ii.

2. The Discovery in West Cornwall of a Silurian Crinoid characteristic of Bohemia. Trans. Roy. Geol. Soc. Cornwall, vol. xiii., pp. 191-197.

3. Australian Palæontologists on Silurian Ophiurids. Geol. Mag. [5], vol. iv., pp. 313, 314.

4. Nathorst's use of Collodion imprints in the Study of Fossil Plants. Ibid., pp. 437-440.

5. *Echinocrinus* versus *Archæocidaris*. Ann. Mag. Nat. Hist. [7], vol. xx., pp. 452-456.

By R. B. Newton, F.G.S.

1. Relics of Coloration in Fossil Shells. Proc. Malac. Soc., vol. vii., pp. 280-292, pl. xxiv.

By C. W. Andrews, D.Sc., F.R.S.

1. Note on some Vertebrate Remains collected in the Fayum, Egypt, in 1906. Geol. Mag. [5], vol. iv., pp. 97-100.

2. Notes on the Osteology of *Ophthalmosaurus icenicus*, Seeley, an Ichthyosaurian Reptile from the Oxford Clay of Peterborough. Ibid., pp. 202-8.

3. Note on the Cervical Vertebra of a *Zeuglodon* from the Barton Clay of Barton Cliff (Hampshire). Quart. Journ. Geol. Soc., vol. lxiii., pp. 124-127.

By G. C. Crick, A.R.S.M., F.G.S.

1. Cretaceous fossils of Natal. Third Rep. Geol. Surv. Natal, pp. 163-250, pls. x.-xv.

2. The Cretaceous Rocks of Natal and Zululand and their Cephalopod Fauna. Geol. Mag. [5], vol. iv., pp. 339-347.

3. Note on two Rare Forms of *Actinocamax* from the English Upper Chalk. Ibid., pp. 389-395.

4. On the Arms of the Belemnite. Proc. Malac. Soc., vol. vii., pp. 269-279, pl., xxiii.

By W. D. Lang, M.A., F.G.S.

1. The Evolution of *Stomatopora dichotomoides* (d'Orbigny). Geol. Mag. [5], vol. iv., pp. 20-24.

2. A Tabular View of the Cretaceous Polyzoa of the Family Idmoniidae. Ibid., pp. 122-132.

3. The Selbornian of Stonebarrow Cliff, Charmouth. *Ibid.*, pp. 150-156.

By Miss D. M. A. Bate.

1. On Elephant Remains from Crete, with Description of *Elephas creticus*, sp. n. *Proc. Zool. Soc.*, 1907, pp. 238-250, pls. xii, xiii.

By Baron Franz Nopcsa, Junr.

1. Ideas on the Origin of Flight. *Proc. Zool. Soc.*, 1907, pp. 223-236, text-figs. 74-82.

By Prof. H. G. Seeley, F.R.S.

1. Evidences of a Mandible of a new Labyrinthodont from the Upper Karroo Beds of Cape Colony (*Ptychosphenodon browni*). *Geol. Mag.* [5], vol. iv., pp. 432-436, pl. xix.

By R. W. Hooley, F.G.S.

1. On the Skull and greater Portion of the Skeleton of *Goniopholis crassidens* from the Wealden Shales of Atherfield (Isle of Wight). *Quart. Journ. Geol. Soc.*, vol. lxiii., pp. 50-62., pls. ii-iv.

By H. Woodward, LL.D., F.R.S.

1. On the genus *Pygocephalus* (Huxley), a primitive Schizopod Crustacean, from the Coal Measures. *Geol. Mag.* [5], vol. iv., pp., 400-407, pl. xviii.

2. Further Notes on the Arthropoda of the British Coal-measures. *Ibid.*, pp. 539-549, text-figs. 1-5.

By A. S. Kennard, F.G.S., and B. B. Woodward, F.G.S.

1. Notes on Post-Pliocene Mollusca of the Mylne Collection. *Proc. Malac. Soc.*, vol. vii., pp. 261-263.

By A. Vaughan, D.Sc., F.G.S.

1. *Seminula*. *Ann. Mag. Nat. Hist.* [7], vol. xix., pp. 194-198.

By S. S. Buckman, F.G.S.

1. Brachiopod Morphology. *Cincta*, *Eudesia*, and the Development of Ribs. *Quart. Journ. Geol. Soc.*, vol. lxiii., pp. 338-343, pl. xxiv.

2. Brachiopod Nomenclature: the Genotype of *Terebratulula*. Ann. Mag. Nat. Hist. [7], vol. xix., pp. 525-531, pl. xii.

3. Brachiopod Nomenclature: *Seminula*, etc. Loc. cit., vol. xx., pp. 223-226.

By Prof. J. W. Gregory, D.Sc., F.R.S.

1. The Rotiform Bryozoa of the Isle of Wight. Geol. Mag. [7], vol. iv., pp. 442, 443.

By D. H. Scott, F.R.S., and A. J. Maslen, F.L.S.

1. The Structure of the Palæozoic Seeds, *Trigonocarpus parkinsoni*, Brongniart, and *Trigonocarpus oliveri*, sp. nov. Part I. Ann. Botany, vol. xxi., pp. 89-124, pls. xi-xiv.

By G. Hickling, B.Sc.

1. The Anatomy of *Palæostachya vera*. Ann. Botany, vol. xxi., pp. 369-386, pls. xxxii., xxxiii.

By F. E. Weiss, D.Sc., F.L.S.

1. The Parichnos in the Lepidodendraceæ. Mem. Manchester Lit. and Phil. Soc., vol. li., no. 8.

By D. M. S. Watson.

1. On *Lepidodendron harcourtii*, Witham, and *L. hickii*, sp. nov. Mem. Manchester Lit. and Phil. Soc., vol. li., no. 13.

Various fossils in the Department of Geology have also been described and figured by Dr. R. H. Traquair, Mr. H. Woods, Mr. W. K. Spencer, Miss I. L. Slater, Mr. P. Lake, Miss Elles, and Miss Wood (Mrs. Shakespear), in the Monographs of the Palæontographical Society, vol. lxi., for 1907.

Specimens have been lent for original research to Mrs. Longstaff (Putney), Miss Elles (Cambridge), Mr. H. Woods (Cambridge), Mr. P. Lake (Cambridge), Mr. E. A. N. Arber (Cambridge), Mr. S. S. Buckman (Thame), Dr. W. Hind (Stoke-on-Trent), Prof. F. E. Weiss (Manchester), Mrs. Shakespear (Birmingham), Dr. R. H. Traquair (Edinburgh), Mr. R. G. Carruthers (Edinburgh), Mr. R. Kidston (Stirling), and Prof. R. T. Jackson (Harvard University, U.S.A.).

VII.—*Acquisitions.*A.—*By Bequest.*

A selected series of about 4,200 fossils collected by the late Miss Caroline Birley, including the following important specimens :—

Post-Tertiary marine Mollusca from Ireland.

Tertiary Mollusca, Echinoids, and other fossils from Malta, the Canary Islands, and the Mekran coast of Baluchistan. Some of the Mekran specimens are described and figured in *Geol. Mag.*, 1905, pp. 293–310, pls. xvi., xvii.

A collection of Crustacea, Mollusca, Polyzoa, and Corals from the Cretaceous of Faxe, Denmark. The Crustacea are described and figured in *Geol. Mag.*, 1901, pp. 486–502, pl. xii.

Small remains of Fishes and Reptiles from the Upper Cretaceous of Colorado, U.S.A.

Fossils from the Carboniferous Limestone of the Isle of Man and Northumberland, including Cephalopoda described and figured in the *Catal. Foss. Cephalopoda B.M.*, part iii.

B.—*By Donation.*

*Mammalia.*—A restored skeleton of *Diprotodon australis* from the Pleistocene, Lake Callabonna, S. Australia, comprising the following parts :—2 humeri, 2 ulnae, 2 radii, 1 left manus, 2 femora, 2 tibiae, 2 fibulae, 1 left pes, 4 segments of sternum, 2 series of caudal vertebrae, 1 first rib, 1 clavicle, and 1 marsupial bone; plaster casts of skull and mandible, presacral vertebrae, with ribs, left metacarpal V., right manus, right pes, fabella, and right os trigonum, and a marsupial bone. Presented by the Governors of the Public Library, Museum, and Art Gallery of S. Australia, Adelaide.

Two portions of mandible of *Diprotodon australis* from Pleistocene river deposits, Queensland. One portion of mandibular ramus of *Diprotodon* and one portion of maxilla of *Nototherium* from the Pleistocene of King's Creek, Queensland. Presented by G. F. Bennett, Esq.

A fragment of jaw of *Squalodon* from the Asphalt Mines, Middle Miocene, Ragusa, Sicily. Presented by Cavalier Ambroise Paré Brown.

An upper milk-molar and portion of tusk of *Mastodon*, and upper molar of a Ruminant, from the Red Crag. Presented by Major Moore.

An upper molar of Mammoth from Gravel Pit at Manuden, Stanstead, Essex. Presented by A. Burls, Esq.

A tusk and portion of molar of *Elephas*, from Kempton Park pumping station. Presented by Joseph Francis, Esq., M.Inst.C.E.

A selected series of vertebrate remains from the Hoe Grange Cavern, near Brassington, Derbyshire, including *Hyæna crocuta*, *Ursus horribilis*, *Rhinoceros leptorhinus*, *Cervus dama*, etc.; also plaster casts of lower milk-teeth of *Felis leo* and portion of milk-molar of *Elephas antiquus* from the same deposit, figured by Bemrose and Newton in Quart. Journ. Geol. Soc., vol. lxi. (1905), pl. vii., figs. 1, 5, 5a. Presented by E. T. Newton, Esq., F.R.S.

Anterior dorsal vertebra of *Bos primigenius* from Pleistocene Gravel, Lower Mitcham, Surrey. Presented by R. Garraway Rice, Esq., F.S.A.

A frontlet with horn-cores of *Bison priscus* from the Lolham Gravel Pits (G.N. Ry.), Bainton, Northamptonshire. Presented by Lord Kesteven.

Twenty-five remains of *Bos*, *Ovis*, *Sus*, and *Equus*, from the site of the Roman Castle, Pevensey, Sussex. Presented by William Page, Esq., F.S.A.

A hundred and seventy Mammalian remains (*Homo*, *Ursus*, *Canis*, *Rhinoceros*, *Equus*, etc.) from the Ravenclyffe Cave, Derbyshire. Presented by W. Storrs Fox, Esq., M.A.

Human skeleton, incomplete, of late Neolithic or very early Bronze Age, from the Portland Rock Quarry, Olcus, Swindon. Presented by A. D. Passmore, Esq.

*Reptilia and Amphibia*.—Three specimens of *Mesosaurus* from the Permo Carboniferous of Iraty, Paraná; three specimens of *Stereosternum tumidum* from the Permo-Carboniferous of the State of San Paulo, Brazil; twenty specimens of *Stereosternum* from the Permo-Carboniferous of the Rio Claro, San Paulo. Presented by Dr. Orville A. Derby.

Supposed track of tail of *Cheirotherium* from the Keuper Sandstone, Storeton; from the G. H. Morton Coll. Presented by Miss Morton.

Mandible of a Labyrinthodont from the Keuper Sandstone, Cubbington Heath Quarry, Leamington. Presented by S. S. Stanley, Esq., F.G.S.

Megalosaurian tibia from the Lower Lias of Wilmcote, near Stratford-on-Avon. Presented by Miss Evelyn Irby.

Six fragmentary reptilian bones from the Middle Purbeck, Durlleston Bay. Presented by Miss Laura Jarvis.

Chelonian costal plate from the Purbeck Beds, Swanage. Presented by A. Burls, Esq.

Plaster-cast of brain-cavity of *Triceratops*. Presented by the Director, U.S. Nat. Museum, Washington, D.C., U.S.A.

*Pisces*.—One tooth of *Psephodus magnus* from the Carboniferous Limestone of Arnagh. Presented by Thomas Warburton, Esq.

Six Carboniferous fish-teeth, from the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Twelve supposed Cœlacanth fish-scales, from the Coal-fields of Zululand and Natal; twenty-five fish-teeth from the Cretaceous of Zululand and Natal. Described in the "Third and Final Report of the Geological Survey of Natal and Zululand," 1907, pp. 99-101, pl. x. Presented by William Anderson, Esq., F.G.S.

Twenty specimens of Ganoid fish-scales from the Permian-Carboniferous of the State of San Paulo, Brazil. Presented by Dr. Orville A. Derby.

A new Leptolepid fish (*Leptolepis valdensis*, A. S. Woodward, Ann. Mag. Nat. Hist. [7], vol. xx., p. 93, pl. i.) from the Wealden of Southwater, Sussex. Presented by the Directors of the Southwater Brick and Tile Co., Ltd.

A tooth of *Ptychodus* from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Two specimens of *Aulolepis typus* from the English Chalk, and a Percoid from the Upper Eocene of Monte Bolca, Italy. Presented by the Rev. Robert Hudson, M.A.

Four fossil fishes from the Cretaceous of Mt. Lebanon. Presented by Rev. Samuel Schor.

Six fossil fishes (*Lepidotus*, *Mawsonia*, and a Clupeoid species) from the Cretaceous of Ilheos, State of Bahia, Brazil. Presented by Prof. Dr. Ennes de Souza.

Teleostean fish and a tooth of *Notidanus* from the Asphalt Mines, Middle Miocene, Ragusa, Sicily. Presented by Cavalier Ambroise Paré Brown.

Thirteen fish-remains from the Tertiary lacustrine deposits (Pontian) of the Island of Tcheleken, on the Asiatic side of the Caspian Sea. Presented by A. Adiassewich, Esq., F.R.G.S.

Ten fish-teeth from the Tertiary of Chili. Presented by Señor Anjel Estevan Guerra.

Thirty-one microscope-slides of fossil fish-remains. Presented by E. S. Goodrich, Esq., F.R.S.

*Mollusca*.—Fifty-one Mollusca from the Eocene, Cretaceous, Jurassic, and Palaeozoic rocks of British and Foreign localities, being part of the collection of the late Robert Hudson, F.R.S. A Hippurite in the collection was described as *Conia* by R. Hudson, Mag. Nat. Hist., 1836, vol. ix., p. 104, fig. 19. Presented by Rev. Robert Hudson, M.A.

One hundred and twenty Mollusca from the Cambrian and Ordovician rocks of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Four Mollusca from the Wenlock of Hamilton, Ontario. Presented by Col. C. C. Grant.

Sixteen Carboniferous Mollusca from the neighbourhood of Settle, and 92 English Mesozoic Mollusca, from the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Thirty-eight young Ammonites from the Upper Lias, Alderton Hill, Gloucestershire. Presented by S. S. Buckman, Esq., F.G.S.

One *Ctenostreon* showing spines, from the Inferior Oolite, West Bay, Bridport, Dorset. Presented by Miss Eva Prior.

Four Ammonites from the Callovian, South Cave, Yorkshire. Presented by H. C. Drake, Esq.

One *Belemnites oweni*, var. *puzosianus* from the Oxford Clay of Wootton Pillinge, Bedfordshire. Presented by Alfred Vinter, Esq.

One *Aspidoceras* from the Middle Oolite, Brora, Sutherland. Presented by Master Rupert Gunnis.

A deformed Jurassic Belemnite, from the Mead Collection. Presented by Spencer G. Perceval, Esq.

Seven Mollusca from the Jurassic, Copiapo, Chili, and one Tertiary *Ostrea* from Chili. Presented by Señor Anjel Estevan Guerra.

Rock with *Posidonomya*, *Ostræa*, etc., from the Jurassic of Morro de Arica, Chili. Presented by Prof. A. E. Orrego.

Eight Mollusca from the Cretaceous and Jurassic rocks of Melargue, Argentine Republic. Presented by Hugh Pearson, Esq.

Cast of body-chamber of *Macroscaphites gigas*, Lower Greensand, from a well through Kentish Rag on Crockham Hill, W. of Sevenoaks. Presented by P. G. Mackinnon, Esq.

Twenty-four Mollusca from the Lower Greensand of Sandown. Presented by Lieut.-Col. Worthington Wilmer.

An *Exogyra sinuata* from the Lower Cretaceous in a deep boring near Oxted, Surrey. Presented by C. Day, Esq.

Eighty-eight Mollusca from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Three hundred and fourteen Mollusca from the Cretaceous of Zululand and Natal. The Cephalopods are described in the "Third and Final Report of the Geological Survey of Natal and Zululand," 1907, pp. 161-250, pls. x-xv. Presented by William Anderson, Esq., F.G.S.

A block of wood bored by *Teredo*, from the London Clay at the reservoir, N. of Gravel Pit Wood, Fortis Green, London, N. Presented by Joseph Francis, Esq., M.Inst. C.E., through George Potter, Esq., F.R.M.S.

Two specimens of *Cardita planicosta* of Lutetian age, found in the harbour of Bruges; probably ballast originally from Bracklesham Bay, Sussex. Presented by Col. C. E. Shepherd.



Three specimens of *Lucina* from the Eocene of Toranka, E. of Sokoto, N. Nigeria. Presented by the Director of the Imperial Institute.

A specimen of *Aturia* from the Miocene, Vizzini, Sicily. Presented by Cavalier Ambroise Paré Brown.

Eighteen Mollusca from the marine Sarmatian deposits of Poland. Presented by R. Lydekker, Esq., F.R.S.

Thirty-eight Mollusca from the Tertiary lacustrine deposits (Pontian) of the I. of Tcheleken, on the Asiatic side of the Caspian Sea. Five Ostreiform shells from the Fergana Tertiary Beds (Lutetian) of Turkestan. Two natural limestone casts of a Lamellibranch and a Gastropod from the Eocene (?) W. of Fergana. One natural cast in asphaltic material of *Exogyra flabellata*, from the Cenomanian of N. Syria. Presented by A. Adiassewich, Esq., F.R.G.S.

Two specimens of *Helix* from a modern deposit, Bermuda. Presented by John Ponsonby, Esq.

A piece of marl with Pteropoda obtained by M. Nicolls (Director of Public Works, Nicosia) from a boring near Nicosia, Cyprus, 520 feet below the surface. Presented by A. J. Jukes-Browne, Esq., F.G.S.

Clay with dwarf shells of *Mytilus edulis* from a Post-glacial deposit at Upsala, Sweden. Presented by Dr. F. A. Bather, F.G.S.

*Arthropoda*.—Two specimens of *Ptychoparia kingi* from the Cambrian of Nevada, U.S.A. Presented by A. G. Churchwood, Esq.

Twenty-eight plaster casts of Dr. G. F. Matthew's type-specimens of Canadian Cambrian Ostracoda. Presented by Dr. R. S. Bassler.

Two hundred and twenty-nine Arthropoda from the Cambrian and Ordovician rocks of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Seven Trilobites from the Wenlock rocks of Hamilton, Ontario. Presented by Col. C. C. Grant.

Six Carboniferous Arthropods from the neighbourhood of Settle, and a Tertiary Crab from China; part of the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Six specimens of *Griffithides barkei*, including one described and figured by H. Woodward, Proc. Yorks. Geol. Soc., vol. xvi., (1906), p. 84; from base of Lower Culm, Angram, Nidderdale, Yorkshire. Presented by E. Hawkesworth, Esq.

One *Tetracarcinus subquadratus* from the Cretaceous (Woodbury Clay), Lorillard, New Jersey. Presented by Dr. Stuart Weller.

One Crustacean from the Cretaceous rocks of Zululand. Presented by William Anderson, Esq., F.G.S.

*Thalassina* in a nodule from Port Darwin. Presented by Dr. F. W. Wood Jones.

Five fossil Crustacea from the collection of the late Robert Hudson, F.R.S. Presented by Rev. Robert Hudson, M.A.

*Echinoderma*.—Eight column-fragments of "*Pentacrinus*" *priscus* from the Ordovician, Spitham, Esthonia. Presented by Baron Dr. F. von Huene.

Six hundred specimens of *Echinoderma* from the Cambrian and Ordovician of Celand, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Thirty remains of Crinoidea from the Ordovician, Hudson River Group of Cincinnati, Ohio, U.S.A. Presented by Thomas W. Reader, Esq.

Eight Blastoids and eight cups of Dicyclic Crinoids from the Lower Carboniferous Hurlet Series of Inveriel, Fife. Presented by James Wright, Esq., Jr.

One *Echinoerinus* and fifty Crinoid remains from the Carboniferous Limestone of Castleton and Hassop, Derbyshire. Presented by Miss C. E. Shuckburgh.

Fragments of Carboniferous Echinoderms from the neighbourhood of Settle, and four hundred and fifty-two Echinoderms from the English Mesozoic rocks; part of the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

One *Mesodiadema* from the Lower Lias, Canard's Grave, near Shepton Mallet, Somerset. Presented by S. S. Buckman, Esq., F.G.S.

One *Pentacrinus dichotomus* from the Upper Lias of Kettering. Presented by A. K. Coomaraswamy, Esq., D.Sc.

Six Ophiurids from the Calcareous Grit near Oswaldkirk, Yorkshire. Presented by Daniel Arkell, Esq.

Rock with remains of Jurassic Echinoids from Morro di Arica, Chili. Presented by Prof. A. E. Orrego.

Forty *Echinoderma* from the Cenomanian of Beer, S. Devon; three radioles of an echinoid, *Cidaris sorigneti*, from the Turonian, zone of *Rhynchonella cuvieri*, Branscombe, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Three internal casts in flint of *Echinocorys*, of Senonian age, found in drift on the Island of Sylt, Denmark. Presented by Rev. C. J. Klesel.

One *Pentagonaster browni*; plaster cast of type-specimen from Upper Cretaceous (Fox Hills Sandstone) near Lander, Wyoming. Presented by Dr. Stuart Weller.

Two Echinoids (*Plesiolampas* and *Hemiaster*) from the Eocene of Toranka, 5 miles east of Sokoto, Northern Nigeria. Presented by the Director of the Imperial Institute.

Twenty Echinoderms from the collection of the late Robert Hudson, F.R.S. Presented by Rev. Robert Hudson, M.A.

*Brachiopoda*.—Ten Brachiopods from the Wenlock of Hamilton, Ontario. Presented by Col. C. C. Grant.

Two hundred and eighty Brachiopods from the Cambrian and Ordovician of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

One *Productus* from the Carboniferous Limestone, Park Hill, on R. Dove, Derbyshire. Presented by Miss C. E. Shuckburgh.

Three hundred and eighty-two Brachiopods from the Carboniferous near Settle, and four hundred and fifty-two from the Mesozoic rocks of England; part of the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Thirteen specimens of *Rhynchonella* from the Lower Lias between Lyme and Charmouth, Dorset. Presented by W. D. Lang, Esq.

Fourteen Brachiopods from the Cornbrash, E. of Corscombe Church, N.E. of Beaminster, Dorset. Presented by Mrs. J. L. Templer.

Jurassic rock from Morro di Arica, Chili, containing *Rhynchonella*. Presented by Prof. A. E. Orrego.

Eight Brachiopods from the Jurassic, Copiapo, Chili. Presented by Señor Angel Estevan Guerra.

Twenty-seven Brachiopods from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Fifty-seven Brachiopods from the collection of the late Robert Hudson, F.R.S. Presented by Rev. Robert Hudson, M.A.

*Annelida*.—Two Annelids from the Wenlock of Hamilton, Ontario. Presented by Col. C. C. Grant.

One Annelid track from the Carboniferous of Settle, from the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Two Annelida from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

One Annelid from the Cretaceous of Zululand. Presented by William Anderson, Esq., F.G.S.

*Polyzoa*.—Sixteen Polyzoa from the Wenlock of Hamilton, Ontario. Presented by Col. C. C. Grant.

Numerous Polyzoa from the Cambrian and Ordovician of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Fifteen Polyzoa from the Carboniferous near Settle, and three Polyzoa from the Mesozoic rocks of England; part of the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

A hundred and thirty-four specimens, illustrating fifty species, of Palaeozoic Polyzoa, chiefly from North America. Presented by Dr. R. S. Bassler.

Seven Polyzoa from the Lower Greensand, Farringdon. Presented by Lt. Treacher, Esq., F.G.S.

Two Polyzoa from the Lower Greensand of Sandown. Presented by Lieut.-Col. Worthington Wilmer.

Four Polyzoa from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Polyzoa from the English Chalk, named by the donor in accordance with his paper on the Fauna of the Trimmingham Chalk, Geol. Mag., 1906, p. 289. Presented by R. M. Brydone, Esq., F.G.S.

A specimen of *Echinocorys scutatus*, covered with Polyzoa of the genera *Proboscina*, *Berenicea*, *Idmonea*, *Membranipora*, and *Onychocella* from the Chalk, zone of *M. coranguinum*, Melville Avenue, Croydon. Presented by F. Gossling, Esq.

Two Polyzoa from the collection of the late Robert Hudson, F.R.S. Presented by Rev. Robert Hudson, M.A.

*Coelentera*.—Two pieces of shale containing *Diplograptus cf. truncatus*, Lapworth, one figured in Geol. Mag., 1901, p. 195, from Ordovician rocks, probably of Bala age, River Macho, Carabaya, Peru. Presented by H. J. Jessop, Esq.

A specially fine specimen of *Tetragraptus quadribrachiatus* from the Skiddaw Slates, Hodgson's How, near Keswick. Presented by John Postlethwaite, Esq., F.G.S.

Numerous Coelentera from the Cambrian and Ordovician of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Three Hydrozoa from the Wenlock Beds of Hamilton, Ontario. Presented by Col. C. C. Grant.

One Coral (*Cladochonus bacillarius*) from the Upper Carboniferous Limestone, Wetton Hill, N. Staffordshire. Presented by Dr. A. S. Woodward, F.R.S.

Seven Carboniferous Corals from the neighbourhood of Settle, and two Corals from the Mesozoic rocks of England; part of the collection of the late Rev. Addison Crofton. Presented by Miss Crofton.

Five specimens of a Coral (*Cyathophora*) from the Aalenian of Huddiknoll, Gloucestershire. Presented by Miss H. Mary Hutton.

One Coral from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

Eight Cretaceous Corals from Zululand and Natal. Presented by William Anderson, Esq., F.G.S.

One Coral from the collection of the late Robert Hudson, F.R.S. Presented by Rev. Robert Hudson, M.A.

*Porifera*.—One Sponge from the Wenlock of Hamilton, Ontario. Presented by Col. C. C. Grant.

One specimen of *Astylospongia roemeri*. Presented by Thomas Warburton, Esq.

One *Serpula* with boring Sponge (*Talpina*) and two other Sponges from the Cenomanian of Beer, S. Devon. Presented by Dr. A. W. Rowe, F.G.S.

One Sponge from the Cretaceous of Zululand. Presented by William Anderson, Esq., F.G.S.

*Protozoa*.—A piece of *Fusulina*-limestone of Lower Carboniferous age, from Nino, Japan. Presented by Prof. T. McKenny Hughes, F.R.S.

A collection of Radiolaria, mounted on slides, from the Upper Chalk of Coulsdon, Surrey, described and figured by the donor in Quart. Journ. Geol. Soc., 1900, pp. 694-704, pls. xxxvii., xxxviii. Presented by W. Murton Holmes, Esq.

Seventy-seven Foraminifera from the lowest Chalk of Corscombe, N.E. of Beaminster, Dorset. Presented by W. D. Lang, Esq.

Two pieces of Nummulitic Limestone from the Buzi River district of Gazaland, Portuguese Africa. Presented by C. F. M. Swynnerton, Esq.

*Planta*.—Eighteen plant remains (*Glossopteris* and *Phyllothea*) from the Coalfields of Zululand and Natal. Presented by William Anderson, Esq., F.G.S.

Three specimens of *Glossopteris* from N.W. Rhodesia, lat. 16° 28' 42". Presented by A. J. C. Molyneux, Esq., F.G.S.

Two pieces of fossil wood and one piece of *Lycopodiopsis derbyi* from the Permo-Carboniferous of San Paulo, Brazil. Presented by Dr. Orville A. Derby.

Fossil wood in flint, from Valley Gravel, Hogdon Bottom, Banstead, Surrey. Presented by T. E. Ware, Esq.

Section of fossil tree from Viziwa, left affluent of N. Loangwa river, N.E. Rhodesia; collected by Sir Alfred Sharpe. Presented by Charles B. C. Storey, Esq., F.G.S.

*Rock Specimens*.—Four tracks and markings from the Cambrian and Ordovician rocks of Oeland, Baltic Sea. Collected and presented by Dr. F. A. Bather, F.G.S.

Four slabs of problematical markings from the Wadhurst Clay, Hollington and Crowhurst, near St. Leonards. Presented by F. Ross Thomson, Esq., F.G.S.

Rocks with markings supposed to be of organic origin, from the top of the Portland Beds, Brill, Bucks. Presented by Prof. H. G. Seeley, F.R.S.

Specimen of Conglomerate known as "wash," filling the ancient valley of the R. Team, Ravensworth Colliery, Durham. Presented by William Avery, Esq.

Ironstone concretion found in Gravel Pits, Aylesford, Kent. Presented by George Abbott, Esq., M.R.C.S.

Specimen of sea-bottom 4·5 miles N.E. of Bull Rock Lighthouse, San Antonio, Cape Verde Islands, depth 900 fathoms. Presented by Vernon K. Cornish, Esq.

Four deep-sea soundings from W. New Zealand and N.W. of West Australia. Presented by Dr. F. Wood Jones.

#### C.—By Purchase.

*Mammalia*.—Two hundred and forty Mammalian remains from the Oligocene Phosphorites of France.

Mammalian remains collected by Don Francisco Clua from the Oligocene of Tárrega, Lérida, Spain, including *Brachyodus cluai*.

Skeleton of *Halitherium* from Oligocene Marine Clay, Budenheim, Germany.

A mandible of *Tetrabelodon* from the Loup Fork Formation, Kansas, U.S.A.

A Ziphioid rostrum from the Red Crag.

Two milk-molars of *Elephas*; one tooth of *Elephas meridionalis*; and palate of *Elephas meridionalis* from the Forest Bed, Happisburgh.

Remains of *Spermophilus* and *Felis leo* from the Pleistocene of the Thames Valley.

Remains of *Arctomys* from the Pleistocene of Bohemia.

One hundred and fifty remains of extinct Lemurs from a swamp, Ampasambazimba, district of Miàrinarioo, Madagascar.

*Reptilia and Amphibia*.—Labyrinthodont jaw in Coal shale, Northumberland.

Seven fossil reptiles from the Triassic Sandstone of Elgin, including *Ornithosuchus* and the type specimen of *Scleromochlus taylori*.

Scutes of *Goniopholis* from the Purbeck of Swanage.

Chelonian bone from the Chalk.

Reptilian remains from the Oligocene of Tárrega, Lérida, Spain.

*Pisces*.—Fish-remains from the Culm Measures of North and West Devon.

A Leptolepid fish from the Lithographic Stone.

Vomer of *Pycnodus pagoda*, Blake: the type specimen; from Portland Stone, Upwey, Weymouth.

A hundred and eighty teeth and scales of fishes, chiefly from the Lower Greensand of Godalming.

One group of the teeth of *Ptychodus*, six Teleostean fishes and fish-fragments from the English Chalk (Dibley Collection). Also remains of *Belonostomus* and *Enchelurus* from the English Chalk.

Three portions of the skeleton of *Gillicus* and one of *Ichthyodectes* from the Chalk of Kansas.

Three fossil fishes (*Diodon*, *Naseus*, *Eomyrus*) from the Eocene of Monte Bolca, and one jaw of *Gyrodus umbilicus*, one tooth of *Sargodon tomicus*, and two of *Gymnodus diodon*.

Head of a Teleostean fish from the London Clay.

*Mollusca*.—Twenty-five Mollusca from the Carboniferous Limestone of Tournai (Piret Collection).

Shells from the Culm Measures of North and East Devon (Rogers Collection).

Nine hundred and fifty Mollusca from the Trias of Bosnia (Hawelka Collection).

Three hundred English Jurassic Mollusca, chiefly Ammonites and Nautili (S. S. Buckman Collection).

Six Ammonites, one Baculite, one Nautilus, and a large Gastropod, from the English Chalk (Dibley Collection).

Two hundred and twenty-four species and varieties of terrestrial, freshwater, and brackish water Gastropods and Lamellibranchs from the Oligocene of the Mayence Basin.

Mollusca from the Oligocene of Tárrega, Lérida, Spain.

*Belemnitella mucronata* from the Red Crag.

Five hundred and twenty-four boxes of Mollusca from the Pliocene of St. Erth, Cornwall, including specimens described and figured by Alfred Bell, Trans. Roy. Geol. Soc., Cornwall.

Sixty boxes of Pleistocene non-marine Mollusca from the Thames Valley.

Fossil *Pecten* from the Tertiary of Gippsland, Victoria.

*Arthropoda*.—A model of *Eurypterus*, made by Mrs. E. D. Blackman.

A thousand specimens of Palæozoic Ostracoda, chiefly North American (Bassler Collection).

An electrotype reproduction of *Prosopon*.

Fifty-four fossil Arthropods in ironstone nodules from the Coal Measures, Coseley, near Dudley.

Three specimens of *Loricula* sp. nov., fixed to an Ammonite from the Chalk of Kent (Dibley Collection).

*Echinoderma*.—Thirty-five Echinoderma from the Carboniferous Limestone of Tournai (Piret Collection).

Four Echinoderma from the Jurassic rocks of the West of England.

One *Pseudodiadema malbosii*, with radioles, from the Lower Greensand of Atherfield.

One *Micraster cor-bovis*, one large *Holaster placenta*, and two other Echinoderma from the English Chalk.

Six microscope-sections of Cretaceous Asteroidea.

An Echinoid from the Tertiary of Gippsland, Victoria.

Five electrotypes of type-specimens of fossil Echinoderms.

*Brachiopoda*.—Four Brachiopods from the Carboniferous Limestone of Tournai (Piret Collection).

Fourteen thousand Brachiopods from the Trias of Bosnia (Hawelka Collection.)

Fourteen hundred Brachiopods from the Great Oolite of Dundry.

Eight hundred and sixty-nine Brachiopods from the Great Oolite of Hampton Down, Bath.

Two Brachiopoda from the English Chalk.

*Annelida*.—An undetermined species from the English Chalk.

*Polyzoa*.—A hundred and seventy-four microscope-slides of Polyzoa from the Palæozoic of North America (Bassler Collection).

One Polyzoon from the Carboniferous Limestone of Tournai.

Two hundred Polyzoa from the Great Oolite of Dundry.

Three hundred and seventy-two Polyzoa from the Great Oolite of Hampton Down, Bath.

Polyzoa from Bradford Clay and Fuller's Earth.

Eight Polyzoa from the English Chalk.

Polyzoa from the Pliocene of St. Erth, Cornwall.

*Coelentera*.—A hundred Ordovician Graptolites from New Zealand.

A hundred Corals from the Carboniferous of the West of England.

Nine Hydrozoa from the Great Oolite of Dundry.

Electrotype of the type-specimen of *Heterastræa rhætica* Tomes, from the English Rhætic.

Four corals from the English Chalk.



*Porifera*.—Twenty-two Sponges from the Carboniferous Limestone of Tournai (Piret Collection).

One sponge from the Great Oolite of Dundry.

Two sponges from the English Chalk.

*Protozoa*.—Three hundred and sixteen slides of Foraminifera from the Lias and Fuller's Earth of Somerset.

Forty-five slides of Foraminifera from the Pliocene of St. Erth, Cornwall.

*Various Invertebrata*.—About seven hundred fossil Invertebrata from India, Russia, and Britain, collected by the late Prof. J. F. Blake.

Invertebrata chiefly from the Mesozoic rocks of S.W. England, selected from the Thomas Mead Collection.

Two hundred Invertebrata from the Cretaceous of Lebanon.

*Plantæ*.—Carboniferous plants from S.W. England, from the Thomas Mead Collection.

A polished block of Carboniferous petrified plant-remains from Littleborough, Lancashire.

Fossil plants from the Culm of North and West Devon (Rogers Collection).

Oligocene plants from Tárrega, Lérida, Spain, collected by Don Francisco Clua.

The total acquisitions are as follows:—

A.—VERTEBRATA :

By Bequest	-	-	-	-	-	180
„ Donation	-	-	-	-	-	434
„ Purchase	-	-	-	-	-	495
„ Exchange	-	-	-	-	-	240
						1,349

B.—INVERTEBRATA :

By Bequest	-	-	-	-	-	3,984
„ Donation	-	-	-	-	-	4,175
„ Purchase	-	-	-	-	-	27,120
„ Exchange	-	-	-	-	-	445
						35,724

C.—PLANTÆ :

By Bequest	-	-	-	-	-	69
„ Donation	-	-	-	-	-	30
„ Purchase	-	-	-	-	-	126
						225

D.—ROCK SPECIMENS :

By Donation	-	-	-	-	-	16
						16

TOTAL Acquisitions for 1907 = 37,314

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VIII.—*Visitors and Students.*

The number of visits paid to the Department by students and other persons for the purpose of consultation or study during 1907 was 5,544.

IX.—*Lectures and Demonstrations.*

Five parties were received in the Galleries of the Department of Geology, and demonstrations were given as follows:—

February 20.—The Surveyors' Institute (20 members); Dr. Woodward.

March 2.—The Geologists' Association and the Battersea Field Club (89 members); Dr. Woodward.

March 9.—The Students' Association for North London (25 members); Dr. Woodward.

June 15.—North London Church Union and Natural History Society (14 members); Dr. Andrews.

September 27.—Geological Society of London, Centenary Celebration (39 members); Dr. Woodward and Staff.

*Arthur Smith Woodward.*

## DEPARTMENT OF MINERALOGY.

*Research.*

During the past year the morphological and optical investigation of the new red silver minerals from the Binnenthal, Switzerland, has been completed, and a full description of the physical and chemical characters of these species has been prepared and published.

A large series of mineral-specimens from the new lead and zinc mines at Broken Hill in North-Western Rhodesia has been examined. Sixteen species of minerals have been determined, and a detailed physical and chemical investigation has been made of various phosphates of zinc, including hopeite and two new species which have been established, viz., parahopeite and tarbuttite.

The chemical examination of the new mineral strüverite has been continued, and its relation to ilmenorutile has been the subject of investigation.

Various minerals formed during the eruption of Vesuvius in April 1906 have been examined. In this connection the crystallographic and optical constants of the new mineral chlormanganokalite have been determined, and chlornatrokalite has been proved to be a mixture of sylvite and halite.

The crystallographic examination of minerals from Bolivia has been continued, and descriptions of many species have been prepared for publication.

Various minerals from Cornwall, including phenakite, anglesite, caledonite, heulandite and fahlerz, have been examined and determined.

Crystallographic measurements have been incidentally made on various other species, including idocrase, kunzite, monazite, schwartzembergite, sylvanite, seligmannite, tennantite, thorite, topaz, whewellite and zircon.

In the course of a critical examination of the faceted stones in the Collection, the refractivity has been determined of specimens of sapphire, ruby, emerald, aquamarine, phenakite, beryllonite, hiddenite, kunzite, chrysoberyl, olivine, quartz, axinite, andalusite, epidote, euclase, diopside, idocrase, opal, hessonite, pyrope, cordierite, enstatite, tourmaline and benitoite.

Specimens of "re-constructed" ruby and spinel have been optically and chemically examined.

A microscopic examination has been made of a collection of 280 rock-specimens from South Africa.

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In the chemical laboratory two quantitative analyses have been made of strüverite, four of ilmenorutile, one of tennantite, three of hopeite, two of tarbuttite, and one of parahopeite, while determinations of titanitic acid have been made for a specimen of ilmenorutile from Evje, Norway, and for four specimens of ferriferous rutile. Experiments have also been made on the separation and determination of niobium, tantalum, zirconium and titanium. Further, many doubtful minerals have been qualitatively analysed.

*Museum Publication.*

Report on the Rock-specimens collected during the "Discovery" Antarctic Expedition, 1901-4 : by G. T. Prior, M.A., D.Sc., F.G.S.

*Independent Publications.*

Apart from the official publications issued by the trustees, the following papers, etc., relative to specimens in the collection, or to mineralogical theory and method, have been published during the year by members of the staff of the Department.

Note on "Feather-ore" : identity of "Domingite" (= "Warrenite") with Jamesonite : by L. J. Spencer, M.A., F.G.S.

Notes on some Bolivian Minerals (Jamesonite, Andorite, Cassiterite, Tourmaline, etc.) : by L. J. Spencer, M.A., F.G.S.

A (fourth) list of new mineral names : by L. J. Spencer, M.A., F.G.S.

Ilmenite from Jacupiranga, Brazil : by G. F. Herbert Smith, M.A., D.Sc., F.G.S.

Red Silver minerals from the Binnenthal, Switzerland : by G. F. Herbert Smith, M.A., D.Sc., F.G.S., with analyses by G. T. Prior, M.A., D.Sc., F.G.S.

A new model of Refractometer : by G. F. Herbert Smith, M.A., D.Sc., F.G.S.

Baddeleyite from Ceylon : by G. S. Blake, A.R.S.M., B.Sc., F.C.S., and G. F. Herbert Smith, M.A., D.Sc., F.G.S.

*Miscellaneous.*

During the year the large collection of minerals, comprising about 3,000 specimens, collected by the late Miss Caroline Birley, was removed to the Museum and examined. According to the terms of the bequest of Miss Birley, the Museum was allowed a first selection from this fine collection, and 439 specimens were chosen for the General Collection, and 460 specimens for the formation of a series that should be available for students.

The preparation of slip-catalogues of species has been continued. This work has been completed for the arsenides and sulphides (including the large series of blende, galena,

copper glance, and cinnabar) as far as nagyagite, and for the haloid division from sylvite to iodyrite inclusive, while many of the specimens exhibited in the case-tops have been rearranged on trays that have been repolished and lined with fresh wool. At the same time, old specimens hitherto bearing numbers referring only to special catalogues have been entered in the General Register, and permanent labels giving all available information have been written for each specimen. Further, a slip-list has been prepared of all the specimens in the crystal-collection.

The reserve collections of galena, sartorite, jamesonite, miargyrite, calaverite, tetrahedrite, salt, etc., have been extended into drawers previously occupied by specimens of British rocks which have now been transferred to cases in the Pavilion.

An exhibit of models of the "Cullinan" and other famous diamonds has been placed in the Central Hall.

The work of fitting the doors of the cases in the Gallery with link-plates has been finished.

Seventy-eight boxes of mineral-specimens have been received, unpacked and examined; seventy-nine boxes have been packed and despatched.

One hundred and sixty-two thin slices of rocks have been prepared.

#### *Departmental Library.*

To the Departmental Library have been added continuations of 30 periodicals (in 403 parts), 48 volumes of separate works, 88 pamphlets, 21 parts of works, 6 maps, 30 plates of photographs, and 51 mining and survey reports; of these, 9 periodicals (in 130 parts), 23 volumes of separate works, 84 pamphlets, and all the mining and survey reports were acquired by presentation or transfer. All of them, including 919 plates, have been registered and stamped.

Three new book-cases with 327 feet of shelf-space have been fitted up in the S.E. Basement corridor, and 841 volumes have been removed to the shelves.

#### *Students.*

The number of visits recorded as made to the Department for the purposes of consultation or study is 855.

The Gallery being no longer reserved on particular days of the week for use by students, and study-series having been so arranged as to be directly accessible to the public, and so labelled as to render reference to the staff for information thereon almost completely unnecessary, it has become difficult to distinguish, for statistical purposes, "Students" of minerals from ordinary "Visitors," and stress can no longer be laid on the distinction.

*Exchanges.*

An exchange of specimens has been made with the Calne Secondary School, Wilts, through Mr. C. Williams.

*Accessions.*

1,420 specimens have been acquired, namely :—

1,014 minerals, 399 rocks, and 7 meteorites. All of them have been registered, numbered, and incorporated with the Collection.

The more important of them are as follows :—

*Minerals.**By Presentation :*

Minerals from the new lead and zinc mines of Broken Hill, North-Western Rhodesia, including fine crystallised specimens of hopeite and of the new minerals parahopeite and tarbuttite, with descloizite, cerussite and pyromorphite : by P. C. Tarbutt, Esq.

Faceted and uncut specimens of "reconstructed" ruby and spinel : by E. Hopkins, Esq.

Diamond, sapphire, topaz, garnet and chrysoberyl ; from Rhodesia : by G. FitzGibbon, Esq.

A collection of Chilian minerals : by Señor A. E. Guerra.

Hamlinite, gorceixite and harttite ; from Brazil : by Dr. E. Hussak.

Celestite and aragonite from Girgenti, Sicily : by F. N. A. Fleischmann, Esq.

Sapphires from Montana : by The New Mine Sapphire Syndicate through G. A. Wells, Esq.

Clinoclasite, tyrolite, pharmacosiderite, and conicalcite from Utah, pitchblende from Colorado, and cassiterite from Bolivia : by Dr. R. Pearce.

Cinnabar, large twinned crystals : by H. A. Cousins, Esq.

Harmotome from co. Wicklow, linarite from Cornwall, and other examples of British minerals : by Arthur Russell, Esq.

Hausmannite, blende, chalybite, fluor, &c., from the North of England : by L. J. Spencer, Esq.

Witherite with barytes, from the North of England : by C. Pugh, Esq., and Siddell Watson, Esq.

Fine twinned crystals of fluor from Weardale, Durham : by J. Thompson, Esq. and T. Maddison, Esq.

Secrodite from Carrock Fell, Cumberland : by W. Hemingway, Esq.

*By Bequest :*

A selection of 439 specimens of various minerals from the large collection formed by the late Miss Caroline Birley. These include an extremely fine series of zeolites from the Faroe Islands, Iceland, and co. Antrim; fine crystals of fluor and witherite from the North of England; large, clear crystals of rhodochrosite from Colorado; a large crystal of emerald in the matrix from Russia; and a fine star ruby, mounted in a ring.

*By Purchase :*

A group of exceptionally large crystals of ilmenite from Norway.

Palladic gold, beryl, tourmaline cat's-eye, raceted aquamarine, and a large botryoidal mass of fibrous baddeleyite, from Brazil.

Polybasite from Mexico.

Pale-blue crystals of apatite from Switzerland.

Of fine specimens of American minerals may be mentioned: doubly-terminated crystals of tourmaline, benitoite, pink beryl enclosing rubellite, corroded beryl, cinnabar, large crystals of stibiotantalite, beautiful violet crystals of kunzite, and crystals of topaz from California; twinned crystals of herderite from Maine; lustrous red crystals of realgar from Utah; well-developed crystals of calomel from Texas; rhodochrosite, wolfram, columbite, and brilliant crystals of iron pyrites, from Colorado.

A peculiar crystal of boracite, composed of two interpenetrating parts, from Hanover.

Tennantite, containing zinc, from the Binnenthal, Switzerland.

Large crystals of cerussite of peculiar habit, in galena, and a specimen of sammetblende, from Bohemia.

Fine crystals of lorandite from Macedonia.

A large silver nugget, weighing 622 grams.

A group of colourless, tabular crystals of apatite from Spain.

Native copper and embolite, from Broken Hill, New South Wales.

A large mass of tantalite with stibiotantalite from Western Australia.

A group of large crystals of andorite from Bolivia.

An interpenetrating twinned crystal of diamond, and an octahedron of diamond on board.

A polished slab of smaragdite from Burma.

A series of minerals formed during the eruption of Mt. Vesuvius in April 1906; including specimens of chlormanganokalite and chlornatrokalite.

A large series of exceptionally fine crystals of calcite, barytes, fluor, etc., from the North of England.

A series of well crystallised specimens of cerussite, hemimorphite, tarbuttite, hopeite, etc., from Broken Hill, North-Western Rhodesia.

A further series of specimens from the collection of the late Professor A. A. Damour; including crystals of anatase and twinned crystals of rutile from Brazil, and large twinned crystals of cassiterite from Morbihan, France.

The following mineral names added to the Museum List were previously not represented by specimens in the Collection :—

Aerugite, arsenbleinierite, benitoite, blomstrandine, brostenite, cathkinite, chlormanganokalite, chlornatrokalite, davidite, gorceixite, harttite, hollandite, kallilite, michaelite, moravite, moronite, parahopeite, paravivianite, patronite, priorite, purpurite, quiroguite, sefströmite, tarbuttite, vanthoffite.

#### *Rocks.*

##### *By Presentation :*

A collection of rock-specimens from the cataracts of the Rivers Madeira, Beni and Mamoré, S. America: by Dr. J. W. Evans.

A small collection of rock-specimens from near Kengtung, China: by G. A. Durie, Esq.

A collection of rock-specimens from South Cornwall: by Dr. G. T. Prior.

Pink dolomitic marble from Oronsay Island, Argyleshire: by Captain D. McNeill.

Andesites from Chili: by Professor H. E. Orrego.

Garnet-rocks from Orange River Colony: by E. H. V. Melvill, Esq.

A small collection of rock-specimens from the Lipari Islands: by W. Child, Esq.

Picrite from Devonshire: by J. Chudleigh, Esq.

A small collection of rock-specimens from Central Africa: by C. Storey, Esq.

Peridotite from Island of Harris: by Rt. Hon. Viscount Finéastle.

Rock-specimens from Mt. Demavend, N. Persia: by Colonel A. C. Bailward.



Globigerina Limestone from Cyprus: by A. J. Jukes Browne, Esq.

Schistose Serpentine from the Cottian Alps: by Rev. T. G. Bonney, F.R.S.

*By Purchase:*

Specimens of trachytic rocks from Haddington.

A polished slab of graphic granite from Madagascar.

A small collection of rock-specimens from Cornwall.

A collection of lavas, bombs, volcanic dust, etc., from Vesuvius (chiefly from the eruption of April 1906).

A collection illustrating various mineral-enclosures in basalt, chiefly from the Finkenbergl, Rhenish Prussia.

Specimens of banded sandstone from Montana.

*Meteorites.*

*By Presentation:*

*Kangra Valley*, Punjab, India; a stone weighing 395 grams: by Professor W. N. Hartley, F.R.S.

Cold Bokkeveld, South Africa; fragments weighing 56 grams: by Professor M. H. N. Story-Maskelyne, F.R.S.

*By Exchange:*

Adare, Limerick; a fragment weighing 47 grams.

*By Purchase:*

*Santa Rosa*, Colombia; a slice weighing 996 grams.

*Cobija*, Desert of Atacama; a slice weighing 252 grams.

*Elm Creek*, Kansas; a piece weighing 912 grams.

*El Incamass*, Chili; a slice weighing 6,235 grams.

Those Meteorities of which the names are italicized belong to falls hitherto unrepresented in the Museum Collection.

*L. Fletcher.*

## DEPARTMENT OF BOTANY.

I.—*Arrangement and Conservation.*

During the past year 49,500 specimens have been incorporated with the Herbarium. This number includes 21,100 Flowering Plants, 2,406 Vascular Cryptogams, 216 Mosses, 53 Hepatics, 2,139 Lichens, 58 Algæ, and 1,528 Fungi, in all 27,500 specimens, which have been mounted and incorporated; together with 13,000 specimens of Algæ in the Batters Collection which were already well mounted on sheets similar to those in use in the Herbarium, 3,000 mounted microscopic slides of Algæ (Batters Collection), and 6,000 mounted microscopic slides of Diatoms (Rylands Collection).

*Flowering Plants.*—Collections have been mounted and incorporated as follows:—From Japan, Corea, and Formosa by Faurie (in part), from Central China by Wilson, from Thibet by Younghusband, from the Cameroons by Zenker, from Angola by Gossweiler (in part), from South Africa by Schlechter, from Mexico by Purpus. Collections from the Malay Peninsula, Singapore, and Borneo by Ridley, from Gunong Tahan by Robinson, from Uganda by Bagshawe, from Mt. Ruwenzori by Wollaston, from Rhodesia by Eyles and Swynnerton, and from Chili by Middleton, Scott Elliot and Philippi, have been wholly or in part named, mounted, and incorporated. The revision of the plants collected by Banks and Solander in New Zealand has been completed.

In the division Polypetalæ additions have been made by incorporation, especially in the orders Menispermaceæ, Tiliaceæ, and Meliaceæ (specimens from Herb. Miers); Capripidaceæ, Polygalaceæ, and Simarubaceæ (chiefly specimens from Herb. Hance); Caryophyllaceæ (Indian and American); Ranunculaceæ, Zygophyllaceæ, and Guttiferæ (Indian); Crassulaceæ, Anacardiaceæ, and Cucurbitaceæ (African); and Leguminosæ (various collections). Work of revision and rearrangement has been done in the orders Anonaceæ, Sterculiaceæ, and Leguminosæ (African), Geraniaceæ (North American), Sapindaceæ (Malayan), Saxifragaceæ and Rosaceæ, and in the genera *Modecca*, *Rhyncosia* (South African), *Viola* (European), *Combretum* (African), *Acrillocarpus* and *Elaeocarpus* (Malayan), *Lepidium*, *Oxalis*, and *Begonia*.

In the division Gamopetalæ additions have been made by incorporation, especially in the orders Rubiaceæ, Oleaceæ, Campanulaceæ, Apocynaceæ, Bignoniaceæ and Scrophulariaceæ, and work of revision and rearrangement has been done in the orders Compositæ (especially North American

genera) *Styracæ*, *Sapotacæ*, *Cyrtandraceæ*, and *Convolvulacæ*, and in the genus *Calceolaria*.

In the division *Apetalæ* work of incorporation has been done especially in the orders *Chenopodiaceæ*, *Euphorbiaceæ*, and *Podostemaceæ* (Indian).

In the *Monocotyledons* work of incorporation has been done chiefly in the orders *Gramineæ*, *Aroidæ*, *Liliacæ*, *Amaryllidaceæ*, and *Iridacæ*, and work of revision in the *Palmacæ* and *Orchidaceæ*.

Work of incorporation and revision has been done in the *British Herbarium*.

A large accumulation of North and South American duplicates has been sorted and arranged, for purposes of exchange.

*Ferns*.—Additions have been made by incorporation in the following orders and genera, *Cyatheaceæ*, *Schizæaceæ*, *Ophioglossaceæ*, *Lycopodiaceæ*, *Seiaginellaceæ*, *Gleichenia*, *Davallia*, *Hymenophyllum*, *Trichomanes*, *Asplenium*, *Aspidium*, *Nephrodium*, *Nephrolepis*, and *Equisetum*, and in the *Hydropterideæ*; work of rearrangement has been done in the genera *Nephrodium* and *Platyserium*; the specimens collected by Cuming in the Philippines have been revised, and the specimens collected by Robinson in Gunong Tahan have been determined.

*Bryophyta*.—Work of incorporation has been done in several genera of Mosses, and work of revision on the Mosses of New Zealand and Japan, and on the British specimens of several genera of *Hepaticæ*.

*Algæ*.—The Batters herbarium and collection of microscopic slides, and the Rylands collection of diatoms have been incorporated; and work of determination and revision has been done in several genera of siphonaceous *Algæ*, on *Algæ* from the Indian Ocean and the Danish West Indies, and in the *Characeæ*.

*Fungi*.—Work of incorporation has been done chiefly in the *Hyphomycetes* and *Discomycetes*, and in the genus *Puccinia*; the British *Fungi* have been rearranged according to recent monographs, and the sorting of specimens and drawings in the Phillips collection has been continued, and the drawings of *Discomycetes* and *Uredineæ* have been mounted and incorporated.

*Lichens*.—Progress has been made with the revision of the British *Lichens*, and the extra-European *Lichens* in Crombie's collection have been sorted and labelled.

*Exhibition Series*.—Progress has been made with the representation of the orders of *Dicotyledons* in the large wall-cases in the public gallery, with the exhibition of a series of British *Lichens*, and with the selection and preparation of specimens and drawings for an exhibition of

British Hepatics. An exhibition illustrating variation at different altitudes in *Polygala Amarella*—a British plant with a very restricted distribution, and an exhibition of Lichens from Southern Chili, have been prepared and placed in the public gallery; and specimens, with drawings, of a British hybrid Orchid, and a specimen of the Australian Blackboy (*Xanthorrhæa arborea*) have been added. Progress has been made with the exhibition illustrating British-grown Trees in the Central Hall, and some time has been devoted to the completion of the exhibition illustrating the flower, fruit, and seed of the Dicotyledons. An exhibition of Memorials of Linnæus has been arranged in honour of the bicentenary of the birth of the great Swedish Naturalist, and a guide to it has been prepared.

*Catalogues.*—Progress has been made with the preparation of the second edition of Mr. Arthur Lister's *Monograph of the Mycetozoa*; with the second volume, by Miss A. Lorrain Smith, of Crombie's *Catalogue of British Lichens*; and with a *Synopsis of British Basidiomycetes*, based on the MSS. and drawings of Mr. Worthington G. Smith. All three volumes are going through the press.

## II.—Publications.

Guide to the books, specimens, and portraits exhibited in the Central Hall to commemorate the bicentenary of the birth of Linnæus (Memorials of Linnæus) by Dr. Rendle.

List of British Seed-plants and Ferns. By Dr. Rendle and Mr. Britten.

Apart from the official publications issued by the Trustees, the following relating to the collections have appeared :—

General report upon the Botanical Results of the Third Tanganyika Expedition, conducted by Dr. W. A. Cunningham, 1904 and 1905. By Dr. Rendle. (Journal of Linnean Society.)

Notes on the "List of British Seed-Plants," I. and II. By Dr. Rendle and Mr. Britten. (Journal of Botany.)

Note on *Thrinicia nudicaulis*. By Mr. Britten. (Journal of Botany.)

The "Illustrations of Australian Plants" (Bibliographical Note). By Mr. Britten. (Journal of Botany.)

Notes on Halorrhagaceæ. By Mr. Britten. (Journal of Botany.)

Note on *Cephalanthera longifolia* Fritsch. By Mr. Britten. (Journal of Botany.)

Notes from the National Herbarium, I. By Mr. Britten. (Journal of Botany.)

Overlooked plants described by Schreber. By Mr Britten. (Journal of Botany.)

Revision of the Genus *Bersama*. By Mr. Baker. (Journal of Botany.)

A new *Limonia* from Uganda. By Mr. Baker. (Journal of Botany.)

New species of Malvaceæ. By Mr. Baker. (Bulletin of the New York Botanic Garden, Vol. iv.)

Alabastra Diversa, pt. xiv. By Mr. Spencer Moore. (Journal of Botany.)

Notes on some Tropical African Rubiaceæ. By Mr. Spencer Moore. (Journal of Botany.)

Marine Algæ. (Phæophyceæ and Florideæ.) By Mr. and Mrs. Gepp. (National Antarctic Expedition, Vol. iii.)

Fungi new to Britain. By Miss A. Lorrain Smith (with Mr. Carleton Rea). (Trans. Brit. Mycolog. Soc.)

Notes on British Rubi. By Dr. E. Gilbert. (Journal of Botany.)

British Roses of the *mollis-tomentosa* Group. B Rev. Augustin Ley. (Journal of Botany.)

Observations on *Sarracenia*. By Dr. J. M. Macfarlane, Professor of Botany, University of Philadelphia, U.S.A. (Journal of Botany.)

*Oxalis corniculata* and its Allies. By Dr. B. L. Robinson, Curator of the Gray Herbarium, Harvard University, U.S.A. (Journal of Botany.)

*Donax* and *Schumannianthus*. By Mr. R. A. Rolfe, Herbarium, Royal Gardens, Kew. (Journal of Botany.)

### III.—*Exchanges of Duplicates.*

Exchanges have been effected with the Royal Gardens, Kew; the Botanic Gardens, Sydney; the Botanic Gardens, Singapore; the Royal Botanic Gardens, St. Petersburg; the Hofmuseum, Vienna; the Botanic Museum, Zurich; the New York Botanic Garden; the Missouri Botanic Garden; the Botanic Garden, Buitenzorg, Java; J. F. Cheeseman, Esq., the Auckland Museum, New Zealand; and Oswald Sargent, Esq., York, West Australia.

### IV.—*Loan of Specimens.*

Fifty-seven unnamed specimens of Characeæ have been lent for determination to Henry Groves, Esq.

### V.—*Departmental Library.*

The additions during the past year have been, by donation, 35 volumes, 103 pamphlets; by purchase, 135 volumes.

5 pamphlets—in all 170 volumes, 108 pamphlets. These include 17 periodicals, in 132 parts, presented, and 74 periodicals, in 648 parts, purchased—in all 91 periodicals in 780 parts.

153 volumes have been bound. The correspondence relating to the Rylands collection of Diatoms and including the Walker Arnott correspondence has been arranged and placed in the Library; and the pamphlets and MSS. contained in the Crombie Lichen-collection have been catalogued and indexed. The collection of tracts has been arranged on shelves.

Work of incorporation and revision has been done in the general collection of drawings of specimens, especially in the incorporation of the large collection of original water-colour drawings of Indian plants, made by Dr. Fleming. The classification and arrangement for binding of the large collection of notes and drawings by R. A. Salisbury has been completed. Indexes have been prepared of various books and collections. New book-shelves have been added in the Cryptogamic herbarium. Duplicate books and pamphlets have been distributed to the Royal Gardens, Kew, the Linnean Society, and the Botanic Gardens, Singapore.

#### VI.—*Acquisitions.*

The following additions have been made to the collections by presentation:—396 Phanerogams from Uganda, from Dr. A. G. Bagshawe; 245 Phanerogams and 30 Cryptogams from Rhodesia, from F. Eyles, Esq.; 126 specimens from Uganda, from Mrs. Sybil M. Tufnell; 38 specimens from the Soudan, from the Director of Woods and Forests, Kartoum; 200 specimens from Gazaland, from C. F. M. Swynnerton, Esq.; 50 specimens of Umbelliferæ and Compositæ, and 43 Monocotyledons from Algeria, from M. A. Joly Elbahy; 48 specimens from South Africa, from Rev. F. A. Rogers (in return for naming); 23 specimens from Lake Kivu, Central Africa, from Dr. Wollaston; 10 specimens from Uganda, from E. Brown, Esq.; 10 specimens from Fayoum, from Dr. W. A. Cunningham; 5 specimens from South Africa, from Dr. H. Bolus; 14 specimens of Podostemaceæ from India, from J. C. Willis, Esq.; 4 specimens from Garhwal, from Dr. T. G. Longstaff; 2 specimens of *Wissadula* from Brazil, from R. Fries; 50 specimens of plants from W. Australia, collected by W. V. Fitzgerald, from F. S. Brockman, Esq.; 4 specimens of *Eremophila*, etc., from Australia, from Prof. A. J. Ewart; 390 specimens from Chili, Brazil, and the Falkland Islands, from R. Morton Middleton, Esq.; 2 specimens of orchids from Jamaica, from the Hon. W. Fawcett; 3 specimens of *Ophrys*, from Hyères, from H. S. Thompson, Esq.; 2 specimens of flowering plants from Rev. W. Moyle Rogers; 64 specimens of garden plants for exhibition from the Royal Gardens, Kew; 3 specimens of cultivated plants from Hon. Walter Rothschild, M.P.; specimens of fossil seeds of *Najas marina*

and *N. minor* from Clement Reid, Esq. ; 2 fruits of *Martynia* from A. E. Stearns, Esq. ; 3 specimens of cultivated orchids from Sir Trevor Lawrence ; 4 specimens of cultivated orchids from J. O'Brien, Esq. ; 2 specimens of *Silene*, from W. B. Paulson, Esq. ; specimens of *Alsophila* from Fiji, from Miss M. Benson ; specimens of a tropical moss, *Calymperes*, recently discovered in Europe, near the fumaroles of Pantellaria, from Dr. Emilio Levier ; 2 species of *Halimeda* and 3 specimens of *Avrainvillea* from the Paumotu Archipelago, from M. P. Hariot ; some large specimens of Laminariaceæ from the Eastern Telegraph Company's cable near Gibraltar, from V. K. Cornish, Esq. ; a Japanese species of *Ecklonia*, from Prof. F. O. Bower ; 11 species representing 4 genera of Lithothamnia from the Indian Ocean, collected during the "Sea-lark" Expedition, from J. Stanley Gardiner, Esq. ; specimens of *Cladocephalus*, a new genus of Algæ from the West Indies, from Mr. Marshall A. Howe ; 161 Characeæ from the herbarium of T. F. Allen, from the New York Botanical Garden ; and single specimens from Sir W. Strickland, Dr. Grunman, F. Moore, Esq., Christopher J. Alexander, Esq., Mrs. P. Hoare, E. M. Holmes, Esq., Dr. P. L. Sclater, Mrs. Paris, Messrs. R. T. Turnbull, Prof. R. J. Harvey Gibson, and T. D. A. Cockerell, Esq.

The additions to the British Herbarium by presentation have been :—3 specimens from Dr. C. Vigers ; 229 specimens from Rev. E. S. Marshall ; 72 specimens from Rev. H. J. Riddelsdell ; 2 specimens from John D. Young, Esq. ; 4 specimens from A. B. Jackson, Esq. ; 3 specimens of introduced plants from W. B. Allen, Esq. ; 7 specimens from Clement Reid, Esq. ; 2 specimens from W. Whitehead, Esq. ; 10 specimens of Rubi, &c., from Prof. D. Oliver ; 4 specimens from James Groves, Esq. ; 10 rare British Hepaticæ from Symers M. Macvicar, Esq. ; and single specimens from Henry Peirson, Esq., H. A. Britten, Esq., C. H. Spencer Percival, Esq., H. Beeby, Esq., W. R. Sherrin, Esq., V. K. Cornish, Esq., and J. Saunders, Esq.

Among the acquisitions by presentation special reference may be made to the collection of Diatoms formed by the late Thomas Glazebrook Rylands, of Warrington, and presented by his daughter, Miss Martha G. Rylands. It consists of about 6,000 microscope-slides in cabinets, and includes the collection of the late Dr. Christopher Johnson, of Lancaster, bequeathed to Mr. Rylands. It was formed more than 40 years ago, when great activity was manifested in the study of Diatomaceæ ; and the two most active students of the group, Prof. G. Walker Arnott and Prof. R. K. Greville, and their more important correspondents are represented by numerous letters included in the collection.

The following additions have been made by exchange of duplicates :—1,100 specimens from Brazil, Central Asia, Russia, etc., from the Director, Royal Botanic Gardens,

St. Petersburg; 494 Phanerogams and 12 Cryptogams from Singapore, Siam, etc., from the Director of the Botanic Gardens, Singapore; 37 specimens of *Coprosma* from New Zealand, from J. F. Cheeseman, Esq.; 308 specimens from South Africa, collected by R. Schlechter, from the Director of the Botanic Museum, Zurich; 395 specimens from Tibet and 94 specimens from tropical Africa, from the Director, Royal Gardens, Kew; 56 specimens from Jamaica, from the Director of the New York Botanic Garden; 138 specimens from Australia, from the Director of the Botanic Garden, Sydney; 626 specimens from Texas, collected by Lindheimer, from the Director of the Missouri Botanic Garden; 56 specimens from Java, from the Director of the Buitenzorg Botanic Garden; 100 Kryptogamæ Exsiccatae, from the Hofmuseum, Vienna; 13 specimens of West Australian Orchids, from Oswald Sargent, Esq., York, West Australia.

The principal purchases during the year were:—200 specimens "Flora Stiriaca Exsiccata," fasc. 7-10, from Hayek; 273 specimens "Plantæ Paraguarienses," from Dr. Hassler; 227 specimens from South Bolivia, collected by Fiebrig, from Dr. R. Pilger; 200 specimens of Dörfler's Herb. Normale, Cent. 47 & 48, from Dulau & Co.; 370 Phanerogams and 82 Cryptogams from New Caledonia, collected by R. Schlechter, from Dr. Loesener; 109 Phanerogams and 6 Cryptogams from Tucuman, Argentina, collected by Dr. L. Dinelli, from W. F. H. Rosenberg; 980 Phanerogams and 107 Cryptogams from Japan, from Rev. U. Faurie; 299 Phanerogams and 10 Cryptogams from Mexico, from C. G. Pringle; 62 specimens "Gramineæ Exsiccatae" (Fasc. xxi.. xxii.), and 40 specimens Cyperaceæ (Fasc. vi.), from Kneucker; 179 specimens from Cameroons, collected by Zenker, from Dr. E. Gilg; 440 specimens, including 31 Vascular Cryptogams from Mexico collected by Dr. Purpus, from Dr. T. S. Brandegee; 50 specimens "Salicetum Exsiccatum" (Fasc. vii.), collected by Toepffer, from Dulau & Co.; 20 Phanerogams and 20 Cryptogams from West Indies, from W. E. Broadway; 50 specimens "Batotheca Europæa" (Fasc. v.), from H. Sudre; 176 Phanerogams and 23 Cryptogams from Lydia and Caria, and 40 Phanerogams and 50 Cryptograms from North Persia, and 52 specimens from West Persia, collected by Dr. Strauss, from J. Bornmüller; 59 Phanerogams and 1 Cryptogam from Transkei, S. Africa, from Miss A. Pegler; 200 North American Fungi, from Bartholomew; 200 German Fungi, from Sydow; 100 Uredineæ and 25 Ustilagineæ, from Sydow; 100 Fungi Imperfecti, from Kabát and Bubák; 75 Ascomycetous Fungi, from Rehm; 150 Westphalian Fungi, from Brinkmann; 50 Fungi Selecti, from Jaap; 100 Micro-Fungi, from Vestergren; 53 British Micro-Fungi, and 36 microscope-preparations, from Miss A. L. Smith; 40 Lichens of North England, from Rev. W. Johnson; 813 Bavarian Lichens, from Britzelmayr; 20 rare European Lichens, from Zahlbruckner; 1,214 coloured drawings of Lichens, prepared by the late Dr.



R. Deakin and illustrating his Lichen-herbarium, which was presented to the Department in 1889, from Hutchinson; 76 Marine Algæ of South Australia, from Mrs. Harold; 100 North American Algæ from Collins, Holden, and Setchell; 40 microscope-preparations of Diatoms and 105 of Fresh-water Algæ and Peridinieæ from material collected by Dr. W. A. Cunnington in the East African Lakes, from West; 1,007 microscope-preparations of British Mosses, from Sherrin; 50 Mosses of Malay Archipelago, from Fleischer; 20 North American Hepaticæ, from Haynes; 424 Mosses and Hepatics of India, 74 of Japanese Islands, 143 of British New Guinea, 50 of Tasmania, 132 of Guatemala, from Levier; 59 Mosses of France, from Husnot; 100 Mosses of South Europe, from Fleischer and Warnstorf; 125 Cryptogams of Germany, Austria, and Switzerland from Migula; 116 coloured drawings of Scottish Cryptogams by Greville, from Parritt.

Among the acquisitions by purchase special mention should be made of the collection of Marine Algæ made by the late E. A. L. Batters, consisting of more than 10,000 British and 3,000 foreign specimens, and more than 3,000 microscope-preparations. The slides add much to the facilities for studying the Algæ; and the whole collection affords a good representation of the work done in recent years towards ascertaining the distribution of the species around the coasts of the British Islands.

#### VII.—*Demonstrations.*

Demonstrations on the collections have been given by Mr. Britten to 27 members of the Geologists' Association on March 16th, and to 9 members of the Battersea Field Club on November 9th; and on the exhibition of Memorials of Linnæus by Dr. Rendle to members of the Selborne Society, and of the Ealing Science and Microscopical Society, on November 23rd.

#### VIII.—*Students and Visitors.*

The number of visits to the Department for consultation and research during the year was 2,245. Numerous specimens and small collections have been named by the staff for visitors and correspondents.

A. B. Rendle.

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