

OCCASIONAL PAPERS

OF THE

BERNICE PAUHI BISHOP MUSEUM OF
POLYNESIAN ETHNOLOGY AND
NATURAL HISTORY.

VOL. IV. — No. 3.

Director's Report for 1908.

HONOLULU, H. I.
BISHOP MUSEUM PRESS.
1909

*TO THE TRUSTEES OF THE BERNICE PAUAAHI
BISHOP MUSEUM.*

Sirs:—In accordance with the standing vote of the Trustees, I submit my Annual Report on the present condition of this Museum and the general course of work done in the departments during the year 1908.

*WILLIAM T. BRIGHAM,
Director of the Museum.*

Honolulu, May 1, 1909.

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REPORT

THE year 1908 has been memorable for the retirement of the President of the Museum Trustees, Honorable Sanford B. Dole, from the Board, to the sincere regret of every member of the Museum staff and, it may be added with truth, of all who take genuine interest in this Museum, for long before Mr. Bishop decided to found the Memorial which bears the honored name of his wife, Mr. Dole was keen in the belief that such a museum was needed. His correspondence with me at that time was full of interest, and when the foundation was decided upon, Mr. Dole urged the selection of a site in town, preferably the old estate of Paki where Mr. and Mrs. Bishop long made their home a most hospitable centre.

When the charge of the young museum was transferred from the Trustees of the Bernice Pauahi Bishop Trust to a new board consisting of these gentlemen and two especial representatives of the Museum, Mr. Dole, then President of the Republic of Hawaii, was first named for the position by Mr. Bishop, and from that time, as president of the new board, he has shown his great interest in the affairs of the institution and by this interest has greatly encouraged all who were striving for the success of the Bernice Pauahi Bishop Museum in its appointed field.

Mr. Charles Noyes Forbes of the University of California, warmly recommended to me by Professor Setchell, has been appointed Assistant in Botany and he has taken hold of his work with skill and energy since his arrival on June 15th. With the Director he visited the Kilauea region in August and made a valuable collection of the plants found there, and he has since explored the ranges and valleys in the vicinity of Honolulu, extending his

trips to a camp on the mountains above Punaluu and the heights of Kaala above Waianae. By his abundant collections we have been able to inaugurate the long promised exchange with the Botanical Garden at Sydney, N. S. W., and the specimens already received in the course of exchange from Australia have been very satisfactory. We hope soon to extend our exchanges to New Zealand and Fiji. In his work on the Hawaiian Flora he has described several new species of considerable interest and his descriptions are appended to this Report. We hope to be able to offer for publication in the Memoirs a decade of little known, poorly described or unfigured Hawaiian plants of interest, of many of which we have secured satisfactory photographs: the series to be continued from time to time as material accumulates.

While the general activities of the Museum have continued to be limited by the absence of any sufficient room for work or storage, those energies not so dependent on the Museum Laboratories have progressed satisfactorily. Mr. J. F. G. Stokes, the Curator of Polynesian Ethnology, has been able to incorporate with the general collection the Deverill collection referred to in the last annual Report as purchased for the Museum, and a summary catalogue of the same is appended to this Report. In his investigations of Hawaiian antiquities he, in common with all who have been compelled to use the valuable work of Fornander on the Polynesian Race, found great annoyance and unnecessary labor from the absence of an index to that work which is filled with information unskillfully arranged and with no key. To make the path easier for future students Mr. Stokes has prepared a most elaborate index extending to eighty-six pages as printed in double columns, and the Trustees have authorized its printing as an extra volume not in our exchange series. The edition is limited to two hundred and fifty copies. Dr. W. D. Alexander, always a friend to this Museum, has written a biographical sketch of Fornander and has warmly commended the volume.

The Curator has also made study of the interesting so-called "shark-pens" near the mouth of Pearl Harbor, which the military authorities of the United States must destroy in the improvement of the harbor, and his results are given with this Report.

Dr. Cooke has continued his laborious collection and examination of the minute forms of Hawaiian Pulmonata, and has also been engaged in cataloguing the important collection of the late M. Ancey, now belonging to this Museum. Mr. J. W. Thompson has added many casts of fishes, fruits and also of stone implements borrowed for this purpose, and these have been excellently colored to correspond with the originals.

A work which enlisted all the forces of the Museum was the removal of all the collections in Hawaiian Hall from the cases to permit the repainting of the iron racks and brackets. These had originally been coated with a bituminous paint which the terebinthine exhalation from the white cedar with which the cases are lined dissolved and made intolerably sticky. This was entirely removed from the many hundreds of brackets and racks, which were repainted with a more suitable material. The removal of specimens and shelves from sixty-two large cases required great care as well as labor, but it is hoped such a removal will not again be needed for a similar cause.

The Director's visit to Kilauea in August and September enabled him to complete his notes on the history of that volcano, on which he has for some time been engaged, and this having been accepted by the Trustees is now passing through the press, and it is hoped will be issued in 1909. The extent of this paper (which will complete volume II of the Memoirs), and the number of the illustrations have delayed the publication, but it is intended to convey to those who have never visited these Islands some adequate idea of the appearance and activities of this most wonderful and accessible volcano: and recall to those who have been fortunate

enough to witness its eruptions, the memorable "Pit of Pele" and the outflow of molten rivers from Mauna Loa and Kilauea.

Much work has also been done in the preparation of a volume on Kapa or Bark-cloth, or more properly paper, primarily of these Islands but also including the similar work of other Polynesians and extending through Africa, the East Indies and other countries where this primitive manufacture was once all-important but now everywhere disappearing before the cheaper and more durable product of the loom. With the view of preserving at least the memory of this fast vanishing product of early ingenuity the Trustees of this Museum have made generous provision for illustrating in *fac simile* scores of beautiful or interesting colored specimens from the combined collections of this Museum and of the Director, and these plates are now in the hands of the most competent workmen. It is hoped that the result may be published in the course of 1910.

TABLE OF ATTENDANCE.

1908.	Whites.	Hawallans.	Portuguese.	Chinese.	Japanese.	Others.	Open on		Visitors on closed days.	Average Attendance.		Total Visitors.
							Public days.	Other days.		Public days.	Other days.	
January	300	140	39	53	239	28	10	3	35	75	12	799
February	478	235	46	249	184	18	9	3	26	132	9	1210
March	401	90	7	135	178	12	8	3	59	95	20	821
April	442	194	22	96	122	11	8	6	119	96	20	887
May	369	139	44	99	135	35	9	3	41	57	14	821
June	311	96	62	66	136	30	9	5	63	71	13	701
July	568	98	65	97	165	16	12	5	40	53	8	1039
August	324	74	43	81	172	31	9	3	55	74	8	725
September	408	104	30	108	164	24	9	2	7	92	4	839
October	385	108	40	87	177	14	10	6	80	73	13	811
November	241	104	37	87	104	14	8	4	24	70	6	587
December	245	82	17	50	63	10	7	4	12	65	3	467
Totals	4472	1464	452	1208	1867	243	108	51	561	84.6	11.	9706

List of Accessions.

DEPARTMENT OF ETHNOLOGY.

Collection of the late W. E. H. Deverill of Kauai, purchased and presented by the Charles R. Bishop Trust. Specimens collected in Hawaiian Islands except where otherwise mentioned.

- 9192-9216 Umeke.
- 9217-9220 Pa.
- 9221 Pa ia.
- 9222 Ipu kuha.
- 9223-9244 Squid sinkers.
- 9245-9247 Squid hooks.
- 9248-9250 Stone mirrors.
- 9251-9252 Polishing stones.
- 9253-9256 Olona scrapers, of pearl shell.
- 9257-9259 Kapuahi kuni anaana.
- 9260 Noa stone.
- 9261 Kikeula.
- 9262 Stone end of club.
- 9263-9265 Adz handles.
- 9266 Laau melomelo.
- 9267 Lei palaoa.
- 9268 38 Bambu kapa markers.
- 9269 Stone fish god.
- 9270 Piikoi.
- 9271-9274 Music sticks.
- 9275 6 Net menders.
- 9276-9279 Netting needles.
- 9280-9281 Spacers.
- 9282 Tobacco pipe.
- 9283 Supply of shark's teeth.
- 9284-9285 Huewai pawehe.

9286	Hinai poepoe.
9287-9289	Hula drums.
9290	½ Ipu uhane.
9291-9295	Koko puupuu.
9296-9308	Kapa moe, malo, kihei, etc.
9309	Uluna.
9310-9313	Awa cups.
9314-9333	Adzes.
9334-9335	Hammers.
9336-9337	Flat stone dishes.
9338	Sculptured stone lamp.
9339-9343	Stone lamps.
9344	Poho kui palu.
9345-9350	Poi pounders, common form.
9351-9354	“ ring form.
9355-9357	“ stirrup form.
9358-9360	Pestles.
9361-9372	Ulumaika, disk form.
9373	“ spherical form.
9374-9408	Kapa mallets.
9409	Kapa anvil.
9410	“ for malo.
9411-9413	Olonā boards.
9414-9417	Spears.
9418-9419	Wood carving tools.
9420-9421	Niho palaoa.
9422	Ivory bead necklace.
9423-9426	Ivory bead bracelets.
9427	Ivory bead.
9428	Tobacco pipe.
9429	Ipu hokiokio.
9430-9435	Fish hooks of pearl, for trolling.
9436	“ tortoise shell.
9437	“ ivory.
9438	“ coconut shell.
9439-9443	“ pearl shell.
9444-9449	“ tortoise shell.
9450-9451	“ pearl and tortoise shell.
9452-9456	“ human bone.

- 9457-9458 Files.
9466-9467 Pa puua.
9468 Laau lomilomi, of Kaumualii.
9469 Kapa mallet.
9470 Spear, broken.
9471-9473 Awa cups.
9474 Gourd cup.
9475 Auamo.
9476-9479 Net menders.
9480 Iron fish hook.
9481 Olona.
9482 Ulili.
9483 White kapa.
9484-9489 Shells.
9490-9493 Koko.
9494-9496 Poi pounders, ring and stirrup forms.
9497-9506 Squid sinkers.
9507 Stone hammer.
9508 Stone head of club.
9509-9512 Adzes.
9513-9514 Pestles.
9515 Mortar.
9516 Crab shell.
9517 Turtle skull.
9518 Piece of drift wood (? idol).
9459 Ivory charm. Alaska.
9460 Wooden fish hook. Ellice Islands(?).
9461 Stone dish. Nihoa.
9462 Implement of coral rock; possibly for scaling fish.
Nihoa.
9463 Implement of coral rock. Nihoa.
9464 Tapa. Samoa.
9465 Spear. Society Islands.

Gifts.

- 9653 Stick made from coffee wood. Given by Mr. A. F. Judd.
9654 Dancing wand. Given by the Hawaiian Board of Mis-
sions.
9655 Dancing mask. New Hebrides. Given by Mr. L. A.
Thurston. [185]

9656-9657	Kapa. Hawaiian Ids. Given by Mrs. W. R. Castle.
9658-9659	Kapa mallet. Hawaiian Ids. Id.
9660	Koko puupuu. Hawaiian Ids. Id.
9661	Roll of human hair braid. Hawaiian Ids. Id.
9662	Squid hook. Hawaiian Ids. Id.
9663	Pala i e (cup and ball). Hawaiian Ids. Id.
9664	Tail feathers of Phaëthon rubricauda. Id.
9665-9666	Stone implements. Hawaiian Ids. Id.
9667	Fillet. Micronesia. Id.
9668	Stone for trapping birds. Hawaiian Ids. Given by Mr. E. S. Cunha.
9669	Stone idol. Hawaii. Given by Mr. Jared G. Smith.
9077-9080	Bundles of bones. Hawaiian Ids.
9081	Mummified baby. Hawaiian Ids.
9530	Umeke. <i>Purchased.</i>

DEPARTMENT OF CONCHOLOGY.

Number of shells collected and sent to the Museum for identification.....	26,392
Number of shells purchased (Ancey collection).....	14,018
Total.....	<u>40,410</u>

The number of new catalogue numbers added was 2810.

Shells have been received from Messrs. I. Spalding, E. Davis, C. S. Dole, C. A. Rice, A. F. Judd, A. F. Knudsen, F. R. Greenwell, H. Podmore, D. D. Baldwin, P. Deverill, D. Thaanum, J. F. G. Stokes, G. Fuller, L. Wishard, O. H. Swezey and C. N. Forbes.

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- Amsterdam, Holland.—Universiteit van Amsterdam.
- Auckland, N. Z.—Auckland Institute.
- Baltimore, Md.—Johns Hopkins University.
 Maryland Geological Survey.
- Barcelona, Spain.—Real Academia de Ciencias y Artes de Barcelona.
- Berkeley, Cal.—University of California.
- Berlin, Germany.—Anthropologische Gesellschaft.
 Königl. Museum für Völkerkunde.
- Berne, Switzerland.—Bern Historisches Museum.
- Boston, Mass.—Boston Public Library.
 Boston Society of Natural History.
 Museum of Fine Arts.
- Bremen, Germany.—Museum für Natur-, Völker- und Handelskunde.
- Brisbane, Queensland.—Royal Society of Queensland.
- Brooklyn, N. Y.—Museum of the Brooklyn Institute of Fine Arts and Sciences.
- Brussels, Belgium.—Société Royale Malacologique de Belgique.
- Buenos Aires, Argentine Republic.—Museo Nacional de Buenos Aires.
- Buda-Pest, Hungary. Museum National Hongrois.
- Buitenzorg, Java.—Jardin Botanique de Buitenzorg.
- Calcutta, India.—Asiatic Society of Bengal.
 Indian Museum.
- Cambridge, Mass.—Harvard University Library.
 Museum of Comparative Zoology.
 Peabody Museum.
- Capetown, S. Africa.—South African Museum.
- Chicago, Ill.—Field Museum.
- Christchurch, N. Z.—Canterbury Museum.
- Cologne, Germany.—Rautenstrauch-Joest Museum.
- Copenhagen, Denmark.—Société Royale des Antiquaires du Nord.
- Dresden, Germany.—Königl. Zoologisches und Anthropologisch-Ethnographisches Museum.
- Dublin, Ireland.—Royal Irish Academy

- Edinburgh, Scotland.—Royal Society of Edinburgh.
Florence, Italy.—Società Italiana di Antropologia e Etnologia.
Geelong, Vic.—Gordon Technical College.
Genoa, Italy.—Museo Civico di Storia Naturale di Genoa.
Halle, Germany.—Kaiserl. Leop. Carol. Akademie der Naturforscher.
Hanover, N. H.—Dartmouth College.
Hilo, Hawaii.—Hilo Public Library.
Honolulu, Hawaii.—Hawaiian Evangelical Association.
 Hawaiian Historical Society.
 Hawaiian Sugar Planters' Association.
 Honolulu Library Association.
 Oahu College.
 United States Experiment Station.
Lawrence, Kansas.—University of Kansas.
Leiden, Holland.—Rijks Ethnographisches Museum.
 's Rijks Museum van Natuurlijke Historie.
Leipzig, Germany.—Städtisches Museum für Völkerkunde zu Leipzig.
Liverpool, England.—Liverpool School of Tropical Medicine.
London, England.—Linnean Society of London.
 Royal Anthropological Institute.
Madras, India.—Madras Government Museum.
Manila, P. I.—Bureau of Science.
 Ethnological Survey.
Melbourne, Vic.—Royal Society of Victoria.
Mexico.—Mexico Instituto Geologico.
Munich, Germany.—Königl. Ethnographisches Museum.
Natal, S. Africa.—Natal Government Museum.
New Haven, Ct.—Connecticut Academy of Arts and Sciences.
 Yale University Library.
New Plymouth, N. Z.—Polynesian Society.
New York, N. Y.—American Museum of Natural History.
 Columbia University Library.
 New York Botanical Garden.
Oberlin, O.—Oberlin College.
Para, Brazil.—Museu Goeldi.
Paris, France.—École d'Anthropologie de Paris.
 Société d'Anthropologie.

- Philadelphia, Pa.—Academy of Natural Sciences of Philadelphia.
American Philosophical Society.
Free Museum of Science and Art.
Philadelphia Commercial Museums.
University of Pennsylvania.
Wagner Free Institute of Science.
- Pittsburg, Pa.—Carnegie Museum.
- Plymouth, England.—Marine Biological Association of the United Kingdom.
- Rome, Italy.—Reale Accademia dei Lincei.
- Salem, Mass.—Peabody Academy of Science.
- San Francisco, Cal.—California Academy of Sciences.
- São Paulo, Brazil.—Museu Paulista.
- St. Louis, Mo.—Missouri Botanical Garden.
- Stanford University, Cal.—Leland Stanford Junior University.
- Stockholm, Sweden.—Kongl. Vitterhets Historie och Antiquitets Akademien.
- Sydney, N. S. W.—Australian Museum.
Department of Agriculture.
Department of Fisheries.
Department of Mines.
Linnean Society of New South Wales.
Royal Society of New South Wales.
- Tufts College.—Tufts College, Mass.
- Vienna, Austria.—Anthropologische Gesellschaft in Wien.
K. K. Naturhistorisches Hofmuseum.
- Wanganui, N. Z.—Public Museum.
- Washington, D. C.—Bureau of American Ethnology.
Carnegie Institution.
Library of Congress.
Smithsonian Institution.
United States Geological Survey.
United States National Museum.
- Wellington, N. Z.—New Zealand Institute.