

LONG ISLAND BIOLOGICAL ASSOCIATION

ANNUAL REPORT
OF
THE BIOLOGICAL LABORATORY

COLD SPRING HARBOR
LONG ISLAND, NEW YORK

1925

LONG ISLAND BIOLOGICAL ASSOCIATION

INCORPORATED 1924

THE BIOLOGICAL LABORATORY

FOUNDED 1890

THIRTY-SIXTH YEAR

1925



General view of part of the Laboratory grounds and buildings and of Cold Spring Harbor, taken from Canon Hill, a portion of the land being acquired by the Long Island Biological Association

BOARD OF DIRECTORS

To serve until 1929:

C. B. Davenport	Carnegie Institution of Washington. <i>Secretary</i>
Henry L. Stimson	Cold Spring Harbor, N. Y.
Childs Frick	Roslyn, N. Y.
Henry Hicks	Westbury, N. Y.
H. M. Parshley	Smith College

To serve until 1928:

Walter Jennings	Cold Spring Harbor, N. Y.
R. C. Leffingwell	Cold Spring Harbor, N. Y.
T. H. Morgan	Columbia University
Charles R. Stockard	Cornell Medical College
T. S. Williams	Huntington, N. Y. <i>President</i>

To serve until 1927:

Marshall Field	Huntington, N. Y. <i>Vice-President</i>
Arthur W. Page	Cold Spring Harbor, N. Y. <i>Treasurer</i>
John H. J. Stewart	Cold Spring Harbor, N. Y.
William K. Vanderbilt	Centerport, N. Y.
H. E. Walter	Brown University

To serve until 1926:

George Draper	Presbyterian Hospital
W. B. James	Cold Spring Harbor, N. Y.
H. S. Jennings	Johns Hopkins University
Mortimer L. Schiff	New York City
W. W. Swingle	Yale University

R. G. HARRIS, *Laboratory Director*

Members of the Long Island Biological Association

Founders:

Marshall Field
Dr. Walter B. James
Walter Jennings
Mortimer L. Schiff
William K. Vanderbilt
†Robert B. Woodward
William J. Matheson

Patrons:

Frank L. Babbott
Mrs. Charles B. Davenport
Cleveland H. Dodge
Mrs. Leonard Elmhirst
W. E. Erhart
Edward Floyd-Jones
Childs Frick
Mrs. E. H. Harriman
†A. Augustus Healy
August Heckscher
Mrs. Walter Jennings
Mrs. Otto H. Kahn
R. C. Leffingwell
Mr. and Mrs. W. Lloyd-Smith
J. P. Morgan
Wm. H. Nichols, Jr.
†Henry F. Noyes
George D. Pratt
†Cornelia Prime
Howard C. Smith
Louis C. Tiffany
Wawepex Society
Walter J. Whipple
Timothy S. Williams
Mrs. Timothy S. Williams

Sustaining Members:

Helen T. Albro
Eleanor Allen
Grace Allen
Justin M. Andrews
Mary Auten
Frank L. Babbott
Max S. Bart
Mary Beard
Frederick Bernheim
George R. Biecher
Ernest W. Blanchard
Charles M. Bleecker
Mrs. T. Bache Bleecker, Jr.
Edward C. Blum
Helen Blust
Rosina C. Boardman
R. Hattie Bolton
Mrs. Rudyerd Boulton
Floyd C. Bratt
Henry Brody
Leland A. Brown
Lucile C. Brown
John T. Buchholz
L. Dudley Bumpus
Vincent G. Burns
Esther F. Byrnes
Dorothy W. Caldwell
J. Lincoln Cartledge
Edward L. Caum
Helen A. Choate
J. Loomis Christian
Edward D. Churchill
Henry S. Conard
Paul D. Cravath
Charles B. Davenport
Frances G. Davenport
F. Trubee Davison
Maude Dawson
Henry W. DeForest
Johnston DeForest
Robert W. DeForest
Fairman R. Dick
Abigail C. Dimon
Russell A. Dixon
Harper B. Dodd
Agnes Doetsch
Henry P. Dorman
Frank N. Doubleday
Edith M. Douglas
Mrs. George T. Douglas
Marin S. Dunn
S. A. Everett
Calvin F. Fencil
Lydia M. Fletcher
George S. Franklin
Florence M. Frost

† Deceased.

Henry J. Fry
 Arcadia Giura
 Robert A. Goodell
 R. H. Gray
 Susan A. Green
 N. M. Grier
 T. Hale Ham
 Benjamin R. Harris
 D. S. Hartline
 H. Keffer Hartline
 Mrs. Glenn G. Hayes
 O. M. Helff
 Samuel Heller
 †Annie P. Henchman
 Myra Herman
 Pierre Hernandez
 Henry Hicks
 M. Catherine Hinchey
 Anton G. Hodenpyl
 Gail H. Holliday
 Davenport Hooker
 Perry S. Horenstein
 Clarence A. Horn
 Marian E. Hubbard
 Harrison R. Hunt
 Robert C. Hutchinson
 Everett C. Jessup
 Opalrae Johnson
 Florence L. Jones
 Richard H. Jones
 Sarah Elizabeth Jones
 Celia Kaufman
 E. Corinne Keaty
 Clyde E. Keeler
 Emma L. Kemp
 Margaret Kesler
 Clara Ketcham
 Mrs. C. D. Kirkpatrick
 Beatrice Klingensmith
 Marie B. Knauz
 Martin J. Knorr
 Sidney I. Kornhauser
 Eleanor Kress
 Anna Lansing
 D. W. LaRue
 R. C. Leffingwell
 Milton I. Levine
 Gerald M. Livingston
 Christina B. Locke
 Elizabeth M. Lord
 Carolyn E. MacDonald
 E. Carleton MacDowell

Josephine C. Marshall
 Marion I. Martin
 Ralph E. Martin
 H. S. Mayerson
 E. Lenore Meid
 Marie C. Menefee
 Valy Menkin
 Charles W. Metz
 Florence Middleton
 Frances H. Miller
 Ogden L. Mills
 George D. Morgan
 Mattie Beth Morgan
 †Daniel P. Morse
 Everett C. Myers
 Louise A. Nelson
 J. S. Nicholas
 Acosta Nichols
 Mrs. George Nichols
 Isaac Oeland
 C. Mervin Palmer
 Quentin Pan
 H. M. Parshley
 William H. Parsons
 James E. Peabody
 Mrs. Wm. Pfeiffer
 Hugh L. Porter
 Eugene L. Power
 H. S. Pratt
 Frank L. Rainey
 John E. Ranken
 Walter M. Rankin
 Helen Reed
 Ida L. Reveley
 †Dorothy F. Rice
 Edward L. Rice
 Kenneth S. Rice
 Aute Richards
 John K. Roosevelt
 W. Emlen Roosevelt
 Walter J. Salmon
 Sophie Satin
 Asa A. Schaeffer
 Mary-Light Schaeffer
 E. L. Schaffer
 Fanny J. Schwartz
 Donald Scott
 Ida Sitler
 William Smith
 Margaret A. Spencer
 Joseph H. Stickler
 Helen Stobbe

† Deceased.

Harley L. Stowell
 Stella G. Streeter
 F. H. Sweet
 W. W. Swingle
 Eugene Swope
 George F. Sykes
 Masaharu Tange
 Mrs. F. C. Thomas
 E. N. Transeau
 Isabel H. Tuthill
 Victor C. Twitty
 Gertrude R. Twomey
 Daniel V. Troppoli
 Emilia Vicari
 Nelle E. Waggener
 Roy A. Waggener
 H. E. Walter

Myrtle H. Waterfall
 Betty P. Watt
 Helen M. Wells
 David D. Whitney
 Alice W. Wilcox
 Mrs. Joseph H. Willetts
 C. D. Williams
 Mrs. T. S. Williams
 J. Walter Wilson
 Mrs. O. K. Wing
 Henrietta M. Wood
 Willis D. Wood
 Louise Wright
 Sewall Wright
 Myrtle E. Wylie
 Paul B. Yates
 Raymond L. Zwemer

The following, though not members of the Long Island Biological Association, have contributed to the Land and Endowment Fund:

E. LeGrand Beers
 John Chase
 Albert De Silver
 J. G. Dettmer
 William G. Low
 John Hill Morgan
 Acosta Nichols, Jr.

George Nichols
 C. J. Peabody
 James H. Post
 †W. A. Putnam
 Mrs. W. E. Roosevelt
 Herman Stutzer

Members of the Women's Auxiliary Board

President, Mrs. Walter Jennings
 Vice-President, Mrs. Childs Frick
 Secretary, Mrs. Archibald B. Roosevelt
 Treasurer, Mrs. George Nichols
 Chairman House Committee, Mrs. Hamilton Hadden

Mrs. Arthur Ballantine
 Mrs. A. F. Blakeslee
 Miss Rosina C. Boardman
 Mrs. C. B. Davenport
 Mrs. Henry de Forest
 Mrs. Johnston de Forest
 Mrs. Richard Derby
 Mrs. A. H. Diebold
 Mrs. George Draper
 Mrs. Marshall Field
 Mrs. Sidney Fiske
 Mrs. Childs Frick
 Mrs. Rodman Gilder
 Mrs. Hamilton Hadden
 Mrs. W. Averell Harriman
 Mrs. Reginald G. Harris
 Mrs. John D. Hewlett

Mrs. Henry Hicks
 Mrs. Geo. S. Hornblower
 Mrs. Clyde Huntington
 Mrs. O. B. James
 Mrs. Walter B. James
 Miss C. Jennings
 Mrs. H. S. Jennings
 Mrs. Walter Jennings
 Miss Abbie E. Jones
 Miss Florence Jones
 Miss S. Elizabeth Jones
 Mrs. Otto H. Kahn
 Mrs. R. C. Leffingwell
 Mrs. Wilton Lloyd-Smith
 Mrs. Graham Lusk
 Mrs. E. Carleton MacDowell
 Mrs. Van Santvoord Merlesmith

† Deceased.

Mrs. Acosta Nichols
Mrs. George Nichols
Mrs. J. W. T. Nichols
Mrs. Arthur W. Page
Mrs. Gurdon S. Parker
Mrs. H. M. Parshley
Mrs. Lee J. Perrin
Mrs. J. S. Phipps
Mrs. John Ranken
Mrs. Archibald B. Roosevelt
Mrs. George Roosevelt
Mrs. John E. Rousmaniere
Mrs. C. C. Rumsey

Mrs. Mortimer L. Schiff
Mrs. J. H. J. Stewart
Mrs. Charles R. Stockard
Mrs. W. W. Swingle
Mrs. Edwin P. Taylor
Mrs. H. C. Taylor
Mrs. F. C. Thomas
Mrs. H. E. Walter
Mrs. Payne Whitney
Mrs. T. S. Williams
Mrs. Keyes Winter
Mrs. Willis D. Wood

Honorary Members:

Mrs. Andrew Carnegie
Mrs. Leonard Elmhirst
Mrs. E. H. Harriman

LABORATORY DIRECTOR'S REPORT

The progress of the Long Island Biological Association during the second year has demonstrated the wisdom of those who advocated and accomplished the transfer of the Biological Laboratory from the Brooklyn Institute of Arts and Sciences to this Corporation. For thirty-five years the Biological Laboratory has been instrumental in training nearly two thousand teachers, investigators and doctors of medicine. It has been a source of much original work which has played an important role in the advancement of scientific knowledge. At the same time those who were deeply interested in the Laboratory were convinced that its accomplishment fell far below the potentialities which it held by virtue of its remarkable situation. Careful studies, conducted by various persons, all led to the conclusion that the difference between the Laboratory as it was and as it might reasonably be hoped to be, was due to poverty of space, equipment, facilities and funds. The Long Island Biological Association was formed and incorporated not only to maintain the Biological Laboratory as it then was, but to make possible an increase in the accomplishment of its primary functions. These are (1) the dissemination of the accumulated facts and theories of biology through offering instruction concerning marine, aquatic and terrestrial forms of life to advanced students and teachers (under the unusually favorable conditions of studying life from living specimens collected by the student in their natural habitats), and the increase in available knowledge of biological phenomena through the encouragement and support of research in experimental biology and medicine.

Activated by a desire to fulfill its purpose wisely the Association utilized much of its first two years in laying the foundations for the work which it had in hand. Its membership was increased to about three hundred and a woman's auxiliary with sixty members was formed. These bodies added to the Association's annual income, which was further increased by the generosity of the Wawepex Society in doubling its grant of previous years, and by an augmentation of students' fees. The larger available income thus secured made possible some of the seriously needed improvements in the Laboratory's buildings and equipment.

The Purchase of Land

The largest and most important problem before the Association during this period was the necessity of acquiring land which would provide building sites for immediate expansion and for scientists who might desire to establish their summer homes at Cold Spring Harbor in close proximity to the Biological Laboratory. Land, admirably located for these purposes, to the west and north of the Laboratory grounds, with some shore frontage and unusually fine building sites overlooking the harbor, was found to be for

sale. Its acreage seemed to be sufficient for the needs of the Laboratory for some time to come. An effort to obtain funds, eighty thousand dollars, to make possible the purchase of the land was authorized by the Board of Directors. This serious undertaking on the part of such a young Association was begun with some misgivings, but its value to the Laboratory was unquestionable, and the challenge of the work involved was accepted.

There can be no doubt that the Association's temerity in accepting the challenge has reacted to its permanent advantage. As an important indication of its seriousness of purpose its action has been accepted and encouraged by the residents of the vicinity, whose response has been so very gratifying that the Board of Directors of the Association, at a meeting held in December of this year, felt warranted in authorizing the purchase of the land. The acquisition of this land removes one of the most serious handicaps of the Biological Laboratory and should be a highly appreciable aid in its progress toward the place that it should hold in the community and among scientific institutions.

Acknowledgement is made to Mr. T. S. Williams and Dr. C. B. Davenport, President and Secretary respectively of the Association, to Mr. Mortimer Schiff, and to other officers of the Association and of the Women's Auxiliary for the important role which they played in the raising of the necessary funds; and to the fifty-seven neighbors and friends who have generously expressed their interest and faith in the work of the Association. These contributors are:

Frank L. Babbott, E. L. Beers, Miss Rosina C. Boardman, John Chase, Mrs. C. B. Davenport, Mrs. Henry de Forest, Albert De Silver, J. G. Dettmer, Mrs. A. H. Diebold, W. E. Erhart, Mrs. Leonard Elmhirst, Marshall Field, Edward H. Floyd-Jones, Childs Frick, Mrs. Rodman Gilder, Mrs. Reginald G. Harris, Mrs. John D. Hewlett, Mrs. Hornblower, Dr. W. B. James, Mrs. Walter B. James, Walter Jennings, Mrs. Walter Jennings, Miss Abbie Jones, Miss S. E. Jones, Mrs. Otto H. Kahn, R. C. Leffingwell, Mr. and Mrs. Wilton Lloyd-Smith, William G. Low, Mrs. Graham Lusk, William J. Matheson, J. H. Morgan, J. P. Morgan, Mrs. Acosta Nichols and George and Acosta, Jr., Mrs. George Nichols, Mrs. J. W. T. Nichols, William H. Nichols, Jr., Mrs. Arthur W. Page, Mrs. H. M. Parshley, C. J. Peabody, James H. Post, George D. Pratt, W. A. Putnam, Mr. and Mrs. W. E. Roosevelt, Mrs. John Rousmaniere, Mrs. C. C. Rumsey, Mortimer L. Schiff, Mrs. J. H. J. Stewart, Herman Stutzer, Mrs. E. C. Taylor, W. K. Vanderbilt, Walter J. Whipple, Mrs. T. S. Williams, Mrs. Willis D. Wood.

Announcement is made of the bequest of Mrs. Eugene Blackford of five thousand dollars, the income from this fund to be applied to the upkeep of Blackford Memorial Hall.

Boat

The Biological Laboratory has recently acquired a motor boat 45 feet in length and 9½ feet in beam. The boat is equipped with a heavy duty

marine motor capable of making ten miles an hour. The general construction and size of the boat are such that it will be practicable to carry as many as sixty students and instructors to collecting grounds on the Rocky Connecticut Shore across Long Island Sound as well as to those in the neighborhood of Cold Spring Harbor. Apparatus suitable for dredging in Cold Spring Harbor, Oyster Bay and Long Island Sound will be installed. The boat will be available for use before the summer of 1926. This important addition to the equipment of the Biological Laboratory is the gift of a member of the Board of Directors of the Association, Dr. Walter B. James.

In addition to the completion of the fund for the purchase of land and the acquisition of a boat suitable to our needs, our increased annual income is making possible some more modest, though seriously needed, additions and improvements in other facilities for biological study and research.

Research Laboratory

The building previously used as a lecture hall, and later as a laboratory for the class in Field and Systematic Botany is being renovated and refitted for use as a research laboratory. The basement of this building has been admirably arranged for experimental work upon mammals. A spacious operating room, and adequate animal and technical rooms have been constructed. All are equipped with cement floors, plaster and cement walls, electricity and running water, and are well lighted and ventilated. Temporary arrangements have been made for heating these rooms. These changes which were brought about with the modest outlay of about two thousand dollars, constitute an important improvement in our facilities for mammalian work, now probably the best available at any laboratory of this kind.

A second floor will be added to the former lecture hall. Private laboratories and research rooms, which will be constructed on both floors will be capable of accommodating some twelve or fifteen investigators during the summer.

The chemical supply department which was formed this year for the convenience of staff members and investigators will be housed in this building.

The cottage previously rented to the Carnegie Institution of Washington has been taken over for use as a dormitory. With the aid of the Women's Auxiliary, extensive repairs have been made in the interior of this building and a hot water furnace has been installed.

Accommodations and equipment for the various classes have been improved and increased.

Enrollment

The enrollment of workers at the Laboratory still taxes accommodations at hand in spite of the fact that the tuition fee has been raised from fifty to seventy dollars within the last two years. A glance at the list of institutions and states represented in the enrollment indicates that the continued

increase in the number of applicants is an expression of the enviable reputation achieved by the instruction given at the Laboratory during the many years of Dr. Davenport's directorship and Dr. Walter's service as the head of the course in Field Zoology. In this course alone, with about forty students, 23 institutions and 14 states are represented.

Research

The greater facilities which we have been able to place at the disposal of investigators have given invaluable returns. The amount and importance of research now being carried on at the Laboratory compares favorably with that of any period of its existence. Very important experiments concerning the relation of the endocrine glands to normal development and life are being carried on under far more favorable conditions than have ever before been available at the Laboratory. One of our new staff members is now developing a technique which permits the carrying out of successful operations on certain mammalian embryos. This important work will make possible the pushing forward of scientific knowledge concerning the physiology of mammalian embryological development to a point never before obtainable. During the past winter the Laboratory Director had the opportunity of studying one of the most interesting examples of mutation and consequent potential race formation among primitive peoples. Other workers are engaged in carrying on experiments concerning heredity in fishes, flies and protozoa. Important studies in parasitology are being carried on, notably concerning experimental coccidiosis. Regeneration and the interrelation of external and internal conditions are being studied; while important systematic investigations and compilations of animals and plants are being made by several members of the staff. (A bibliography of the Hemiptera of North America has just been published by a member of our staff in Field Zoology. Much of the work of this valuable compendium was accomplished at the Laboratory. A complete list of the native flora of this region, arranged by our instructor of Botany, has been recently published. This will be invaluable to botanists desiring to know the type of material available at the Laboratory. Still another member of our staff is preparing a textbook of Comparative Anatomy.) Indeed nearly every branch of experimental biology is receiving attention at the Laboratory, while the organisms employed as experimental material range from mammals to protozoa.

Nature Study

At the suggestion and with the help of members of the Women's Auxiliary classes in Nature Study for children of members of the Auxiliary and of the Association have been formed. Over thirty children, grouped into three classes according to age, are becoming acquainted, in the field, with the plants and animals of this region.

Evening Lectures

The following public evening lectures have been given this year:

Dr. A. M. Banta—A Theory of Sex Determination.

Dr. A. F. Blakeslee—Biological Observations in South America.

Dr. C. B. Davenport—Biological Significance of Size of Litter.

Dr. K. G. Falk—Enzyme Action of Tumors and Normal Tissue.

Dr. Clyde Fisher—Mysterious Nomads of the North.

Dr. R. G. Harris—White Indians of Panama.

Dr. Carleton MacDowell—Alcohol Experiments with Animals.

Dr. C. W. Metz—The Mechanism of Heredity.

Dr. J. S. Nicholas—Recent Advances in Experimental Surgery on Mammals in Utero.

Dr. Oscar Riddle—Recent Advances in the Theory of Sex.

Dr. W. W. Swingle—The Relation of the Thyroids to Development.

New Members

The following persons have been voted into membership in the several classes during the year: Founders: Dr. Walter B. James. Patrons: Mrs. Charles B. Davenport, Mr. W. E. Erhart, Mrs. Walter Jennings, Mr. R. C. Leffingwell, Mr. and Mrs. Wilton Lloyd-Smith, Mr. William H. Nichols, Jr. Sustaining Members: Messrs. and Mesdames Frederick Bernheim, R. Hattie Bolton, Henry Brody, Paul D. Cravath, D. S. Hartline, H. Keffer Hartline, Pierre Hernandez, Opalrae Johnson, Clara Ketcham, Charles W. Metz, Ogden L. Mills, Everett C. Myers, J. S. Nicholas, Mrs. William Pfeffer, Walter J. Salmon, Sophie Satin, Helen Stobbe, Eugene Swope, Masaharu Tange, Nelle E. Waggener, Roy A. Waggener. Women's Auxiliary: Miss Rosina C. Boardman, Mrs. J. S. Phipps.

Changes in Staff

Dr. Nicholas of the University of Pittsburgh has been added to the staff as assistant in Comparative Anatomy and investigator.

Dr. Kurz of Florida State College was appointed Assistant in Botany for 1925.

Mr. Justin M. Andrews of Johns Hopkins University has been placed in charge of the Chemical Supply Department and of the Nature Study Classes for children.

Mr. Myron Gordon, of Cornell University, and Mr. Everett Myers of Johns Hopkins University were appointed assistants in Field Zoology.

The Women's Auxiliary Board

The Women's Auxiliary Board which was formed last year under the able leadership of Mrs. Walter Jennings has accepted the charge of several important activities of the Laboratory. It is directly concerned with the

Nature Study classes for children and with the Annual Visiting Day, both of which have been successfully inaugurated this year. Its house committee, Mrs. Hamilton Hadden, chairman, is becoming continually more active in aiding in the upkeep of the women's dormitories. The Board has further appreciably aided in raising special funds, having contributed about \$3,000 during the past year.

The Wawepex Society, Inc.

The Wawepex Society of Cold Spring Harbor has recently drawn up and signed a lease of the three acres of land, occupied by the Laboratory, the John D. Jones Laboratory, and three other buildings for the fifty years following the expiration of the present lease in 1929. In addition to providing the Association with the lands and buildings mentioned, the Society contributes fifteen hundred annually to its support. The officers of the Wawepex Society are John H. J. Stewart, governor; Charles M. Bleecker, scribe; Walter J. Whipple, custodian.

Seriously Needed Equipment

The Laboratory is in immediate need of a frame building suitable for housing the students and instructors of Comparative Anatomy and of Systematic and Field Botany. The building, previously occupied by the class in Comparative Anatomy, and generously put at the Laboratory's disposal by the heirs of Mrs. Mary E. Jones, has recently been destroyed by fire.

The loss of the use of this building is most serious. For several years some fifteen or more persons have made continuous use of this building during the summer. Another group of fifteen workers, from the class in Systematic and Field Botany has been deprived of its laboratory and classroom quarters, which have been taken over and renovated for use as a research laboratory.

A one and one-half story frame building, about sixty by forty feet, would admirably meet the requirements of these two groups, during the summer, by providing laboratories and classrooms for the students and office space for the instructors. Such a building could also house the boat during the winter. Not more than six thousand dollars is needed to erect the building in time to be of use during the coming summer.

Policy

The policy of the present administration of the Biological Laboratory is in keeping with the past history of the institution and with the greater activity which it is certain to enjoy as the Long Island Biological Association becomes increasingly aware of the station's usefulness.

The Biological Laboratory is not, and should not be, committed to any one institution or type of biological investigation. Situated as it is, on

Long Island Sound, its opportunities for the study of marine life are unusual and should be utilized to the greatest possible degree. But the acknowledged interests of the Laboratory are not limited to the fascinating groups of marine organisms. The equally fine opportunities for the study of living forms inhabiting the fresh water and the land in the vicinity of Cold Spring Harbor were recognized at the time of the founding of the Biological Laboratory and no doubt were the chief consideration of the founders in omitting the qualifying adjective "Marine" from the name of the institution. Today these opportunities are no less highly valued than they were thirty-five years ago. Our instruction in Zoology and in Botany concerns itself with the living forms of all of the varied habitats of the region, for only by so doing, it is believed, will the broad and fundamental conceptions of biology be suitably established in the minds of the students. At the same time particular emphasis is placed upon the marine forms for the benefit of those whose inland residence makes frequent visits to the seashore difficult.

Biological research at the Laboratory, however, should be free from undue emphasis on any specialized group. The cyclic periods of interest in this or that department of original investigation should find the Biological Laboratory ready to lend its facilities, unhampered by previous commitments, to any kind of worthy research. For some types of investigation marine life will always constitute the most suitable material. The Laboratory should be equipped to meet all reasonable demands made by investigators interested in problems concerned with marine organisms. At the same time there is a greater number of biologists, who for one reason or another are engaged in experiments conducted on other forms of life. Many of these investigators find it highly advantageous to themselves and to their work to make their summer headquarters at a locality such as Cold Spring Harbor, where their families may enjoy a vacation, and where they may carry on their work under the stimulating influence of new colleagues in a new environment. The Biological Laboratory should be equipped with facilities suitable to attract such biologists and to permit them to pursue, without serious interruption during the summer, their investigations in whatever branch of biology they may be.

The greatest service of the Biological Laboratory to biologists in general can now and will always be rendered during the summer. The most careful attention and the most serious efforts of its officers and members should be centered upon placing the Laboratory in a suitable position, in respect to equipment and other facilities at hand to carry on its summer's work.

For the good of the Laboratory itself, however, and for the benefit of those whose interest is directed primarily upon marine organisms the Biological Laboratory should be in a position to provide facilities for investigation, at least, throughout the year.

The function of the Biological Laboratory is to help train investigators,

teachers and doctors of medicine who will best bear the burden of expanding the limits and practice of biological knowledge, and to encourage and provide facilities for those who are already engaged in that task. The aim of the present administration is to secure every possible aid for the satisfactory accomplishment of this function. To this end it is believed that increase in equipment should invariably precede, or be coincident with, increase in the number of persons who are invited to make use of the opportunities offered at the Biological Laboratory. In following such a policy the Laboratory will be able to be increasingly valuable to those who are best fitted to serve biology through the study of marine, fresh water and land organisms.

FINANCIAL STATEMENT

FOR YEAR ENDING DECEMBER 1, 1925

Assets:

Cash on Hand.....	\$	75.03
Bank of Huntington, L. I.....		1,253.44
Bankers Trust Company, N. Y.*.....		8,518.39
Accounts Receivable—Carnegie Institute.....		90.00
Option on Land.....		1,000.00
		\$10,936.86

Liabilities:

Accounts Payable—Dining Hall.....	\$	352.15
Salaries Due—Henry Nichols, November, 1925		82.50

Surplus *

	\$10,502.21
	\$10,936.86

Collections: CURRENT EXPENDITURE ACCOUNT

Balance December 6, 1924.....		3,083.21
Endowment Interest		1,498.68
Bank Interest		151.75
Contributions—Wawepex Society		1,500.00
Others		2,198.50
Tuitions		4,344.00
Rentals		2,055.84
Other Receipts		8,379.93
		\$23,211.91

Disbursements:

Salaries		\$6,264.69
Salaries, Instructors		3,525.00
Expenses and Equipment		9,113.61
		\$18,903.30

\$4,308.61

TEMPLE PRIME ACCOUNT

Balance December 6, 1924		\$106.77
Interest on Fund		137.48
		\$244.25
Disbursements		175.00
		\$69.25

FUND FOR THE PURCHASE OF LAND

Balance December 6, 1924.....		\$3,650.00
Contributions		2,819.00
		\$6,469.00
Disbursements		1,000.00
		5,469.00
Land Option		1,000.00
Accounts Receivable		90.00

\$10,936.86

Accounts Payable and Salary 434.65

Surplus* December 1, 1925..... \$10,502.21

* Includes Fund for Purchase of Land \$6,469.00 and Temple Prime Account \$69.25.

THE LABORATORY STAFF:

- REGINALD G. HARRIS.....Director, Biological Laboratory
- H. E. WALTER, Assistant Director, Professor Biology, Brown University
In Charge of Field Zoology
- HENRY SHERRING PRATT.....Professor of Biology, Haverford College
In Charge of Comparative Anatomy
- WILBUR W. SWINGLE.....Assistant Professor of Zoology, Yale University
Endocrine Biology
- NORMAN M. GRIER....Assistant Professor of Evolution, Dartmouth College
In Charge of Systematic and Field Botany
- HOWARD M. PARSHLEY.....Associate Professor of Zoology, Smith College
Associate in Field Zoology
- GEORGE F. SYKES....Assistant Professor of Anatomy, Tufts Medical College
Assistant in Field Zoology
- J. S. NICHOLAS....Assistant Professor of Anatomy, University of Pittsburgh
Assistant in Comparative Anatomy
- EVERETT C. MYERS....Bruce Fellow in Zoology, Johns Hopkins University
Assistant in Field Zoology
- MYRON GORDON.....Cornell University
Assistant in Field Zoology
- HERMAN KURZ.....Professor of Botany, Florida State College
Assistant in Systematic and Field Botany
- J. M. ANDREWS.....Johns Hopkins University
In Charge of Chemical Supplies
- CHARLES B. DAVENPORT, Director Department of Genetics, Carnegie Inst'n
Lecturer
- THOMAS WHEELER.....Collector and Caretaker

Persons Matriculated at the Laboratory in 1925

Name	Registration	Institution	Graduate or Undergraduate
Frederick Bernheim	C. A. & E.S.	Harvard	Graduate
R. Hattie Bolton	F. Z.	North Adams Normal and Cornell	Graduate
Henry Brody	F. Z.	City College of New York	Undergraduate
James E. Cattell	F. Z.	City College of New York and Columbia	Graduate
Olive B. Coons	F. B.	Cornell	Special
Caroline Craighill	E. S.	Jenny Hunter Normal School	Graduate
A. Jean Crozier	F. Z.	Hunter	Graduate
Margaret Dorward	F. B.	Smith	Undergraduate
Mrs. George T. Douglas,	F. Z. & E. S.	Goucher	Graduate
Reintraut W. Eickmann	F. Z.	Hunter & Columbia	Graduate
Lena V. Feighner	R. & E. S.	Park & Kansas Univ.	Graduate
Leola Fields	C. A.	Hollins	Undergraduate
Lydia Fletcher	C. A.	Brown	Graduate
Elisabeth French	F. Z.	Boston	Graduate
Milton Gaillard	F. Z.	Brooklyn Polytechnic	Undergraduate
Katharine Gebhard	F. Z.	University of Pittsburgh	Undergraduate
Beatrice Glover	F. Z.	Elmira College	Graduate
Stella Goodman	F. Z. & E. S.	Birmingham Southern	Undergraduate
Alice Gould	E. S.	Mount Holyoke	Graduate
Emily Gray	F. Z.	University of Pittsburgh	Undergraduate
Christina R. Grier	E. S.	Smith	Graduate
Harry Grundfest	R.	Columbia	Graduate
Lysbeth Hamilton	F. Z.	University of Pittsburgh	Undergraduate
Caribel K. Henlen	F. Z.	University of Pittsburgh	Undergraduate
Olga Hingsburg	F. Z. & E. S.	Hunter	Graduate
Gladys E. Holmes	F. Z.	Brown	Undergraduate
Perry S. Horenstein	C. A.	Brown	Undergraduate
Mary A. Irwin	F. Z. & E. S.	Hood	Graduate
Carlyle F. Jacobsen	F. Z.	University of Minnesota	Graduate
Opalrae Johnson	F. Z. & E. S.	University of Pittsburgh	Undergraduate
Clara Ketcham	F. Z.	Hunter & New York Univ.	Graduate
Mary E. Larson	F. Z.	Kansas University	Graduate
Beulah Leathers	C. A.	Brown	Graduate
Christina B. Locke	F. Z. & E. S.	Boston	Graduate
Isaac Lorberblatt	E. S.	Brooklyn Polytechnic	Graduate
John G. Lynn, 3rd	F. Z. & E. S.	St. John's College	Undergraduate
Horace S. Mazet	E. S.	Brown	Undergraduate

Name	Registration	Institution	Graduate or Undergraduate
Harry A. Miller	C. A.	Johns Hopkins University	Undergraduate
Elizabeth Morse	F. Z.	Brown	Undergraduate
Philip M. Morse	F. B.	Dartmouth	Graduate
Mildred Moses	E. S.	Mount Holyoke	Graduate
Helen M. Noyes	E. S.	Harriman Research Lab.	Graduate
Camille Passow	F. B.	Columbia	Graduate
Lillian A. Phelps	R. & E. S.	Kansas	Graduate
Mary E. Rawles	C. A.	Randolph-Macon Women's	Graduate
Mary-Light Schaeffer	R.	Brown	Undergraduate
Sarah A. Seely	F. Z.	City College of New York & New York University	Graduate
Ruby Mae Sensing	F. Z.	University of Arkansas	Undergraduate
Eunice Sharp	F. Z.	Brown	Undergraduate
Jane R. Smith	F. B.	University of Pittsburgh	Undergraduate
Martha Jane Spence	F. Z.	Hollins	Undergraduate
Morris Steggerda	R. & E. S.	University of Illinois	Graduate
Elisabeth Stillwell	F. Z.	Brown	Undergraduate
Helen Stobbe	F. Z. & E. S.	Smith	Graduate
Leonard B. Thompson	F. Z.	Brown	Undergraduate
Lacy Van Wagenen,	C. A. & E. S.	Bryn Mawr	Graduate
Nelle E. Waggener	F. Z.	Brown	Graduate
Roy A. Waggener	F. Z.	Brown & Le Grange	Graduate
William F. Wenner	R.	Lebanon Valley & Yale	Graduate
Stanley Whitlock	F. Z.	Michigan State	Undergraduate
Pearl Williams	F. Z.	North Carolina College for Women	Graduate
Lulie May Wilson	F. Z.	Hollins	Undergraduate
Nina Witt	C. A.	Cornell Medical	Graduate

F. Z.: Field Zoology

F. B.: Field Botany

C. A.: Comparative Anatomy

E. S.: Endocrine System

R.: Research

