

THE BROOKLYN INSTITUTE
OF ARTS AND SCIENCES
July 1915, to July 1916

**THE BROOKLYN INSTITUTE
OF ARTS AND SCIENCES
1915-1916**

THE
Twenty-eighth Year Book
OF
THE BROOKLYN INSTITUTE
OF ARTS AND SCIENCES

FOUNDED 1824
CHARTERED IN 1824; RECHARTERED IN 1843 AND 1862
THE PRESENT CHARTER GRANTED IN 1890

1915-1916

CONTAINING
THE NAMES OF THE OFFICERS, COPIES OF THE CON-
STITUTION AND BY-LAWS, A SYNOPSIS OF THE
INSTITUTE'S HISTORY, AN ACCOUNT OF THE
WORK OF 1915-1916, AND A LIST OF
LAWS RELATING SPECIFICALLY
TO THE CORPORATION

"For the People, by the People"

BROOKLYN:

PUBLISHED BY THE INSTITUTE

1916

Mar. 14—Lecture by Dr. IAN C. HANNAH, of Cambridge University, England. Subject: "The New Map of Europe," illustrated.

Mar. 28—Shakespearean Reading by FREDERICK WARDE, of New York. Subject: "Julius Cæsar."

The meetings of this Branch were held in the Parish House, St. John's Church, Huntington.

THE BIOLOGICAL LABORATORY

(Located at Cold Spring Harbor, L. I.)

TWENTY-SEVENTH SEASON

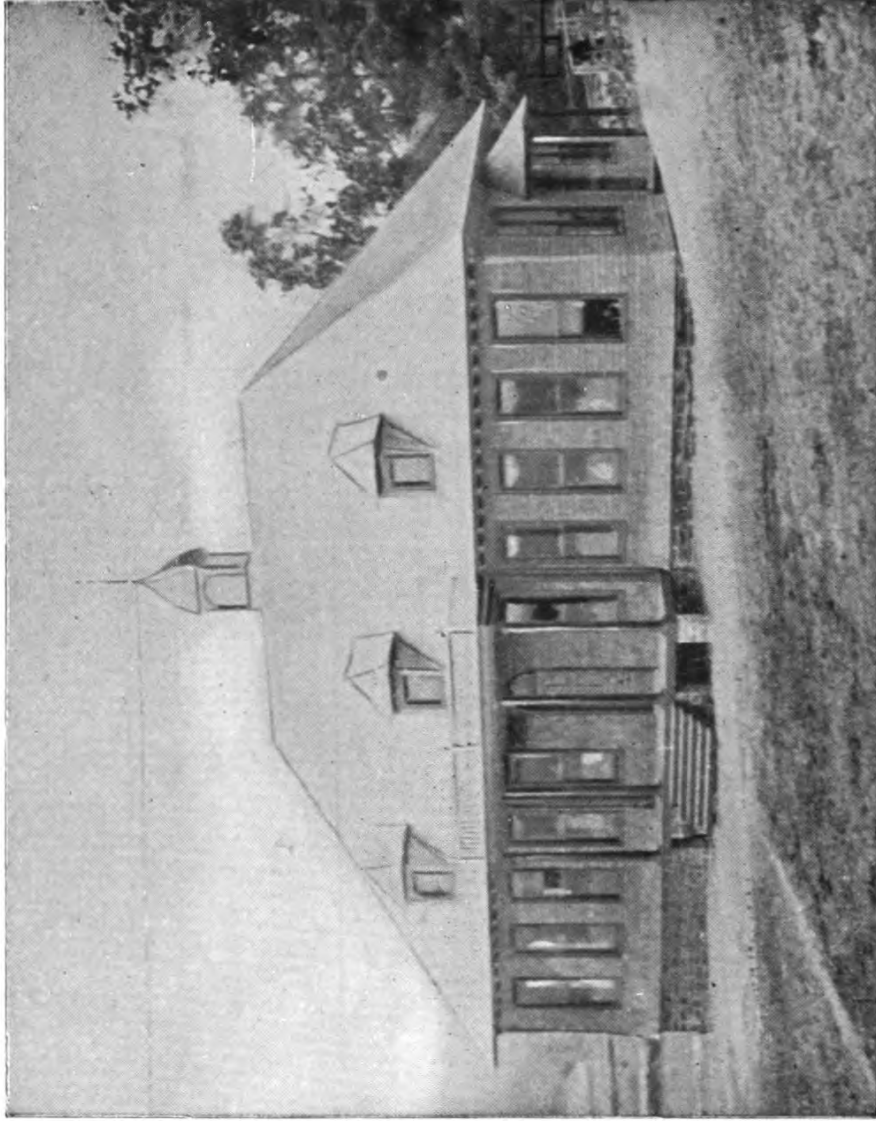
JULY AND AUGUST, 1916

BOARD OF MANAGERS

Executive Committee

WILLIAM J. MATHESON	<i>President</i>
HENRY F. NOYES	<i>Vice-President</i>
CHARLES D. ATKINS	<i>Secretary</i>
CHARLES B. DAVENPORT, Ph.D.	<i>Director</i>
JOHN W. T. NICHOLS	JULIAN L. PEABODY

A. AUGUSTUS HEALY	NICHOLAS MURRAY BUTLER, LL.D.
Hon. DAVID A. BOODY	JOHN MICKLEBOROUGH, Ph.D.
Hon. GEORGE V. BROWER	JOHN H. J. STEWART
LOUIS C. TIFFANY	COLGATE HOYT
WALTER B. JAMES, M.D.	AUGUST HECKSCHER
ROBERT W. DE FOREST	ALFRED G. MAYER, D.Sc.
WALTER JENNINGS	EDWARD THOMPSON
Prof. EDMUND B. WILSON, Ph.D.	Prof. GRAHAM LUSK, Ph.D.
FREDERIC A. LUCAS	RUDOLF FLINSCH
Mrs. EUGENE G. BLACKFORD	Col. TIMOTHY S. WILLIAMS
Miss CORNELIA PRIME	HERMAN STUTZER
HENRY W. DE FOREST	GUSTAV STRAUBENMÜLLER
J. STANLEY BROWN	DONALD SCOTT
ALBERT STRAUSS	HOWARD C. SMITH
C. STUART GAGER, Ph.D.	FRANCIS MINOT WELD
WILLIAM B. DAVENPORT	



THE JOHN D. JONES LABORATORY BUILDING, COLD SPRING HARBOR

THE BOARD OF INSTRUCTION

- C. B. DAVENPORT, Ph.D., Carnegie Institution of Washington, *Director of the Laboratory.*
- HERBERT E. WALTER, Ph.D., Brown University, *Assistant Director. In charge of Field Zoology.*
- HENRY S. PRATT, Ph.D., Haverford College. *In charge of Comparative Anatomy.*
- Mrs. ALICE HALL WALTER. *In charge of Bird Study.*
- HARLAN H. YORK, Ph.D., Brown University. *In charge of Cryptogamic Botany.*
- HARRY HAMILTON LAUGHLIN, B.S., Eugenics Record Office. *In charge of Training Course for Field Workers in Eugenics.*
- JOHN W. HARSHBERGER, Ph.D., University of Pennsylvania. *In charge of Plant Geography and Ecology.*
- SIDNEY I. KORNHAUSER, Ph.D., Northwestern University. *Associate in Field Zoology.*
- CLYDE E. EHINGER, M.D., West Chester (Pa.) State Normal School. *Associate in Bird Study.*
- HAROLD M. HINE, B.S., Hartford High School. *Assistant in Comparative Zoology.*
- FRED N. MILLER, A.B., Easton, Pa. *Assistant in Plant Geography and Ecology.*

PERSONS, OTHER THAN INSTRUCTORS, ENGAGED PRIMARILY IN RESEARCH

- CHARLES HARLAN ABBOTT, A.B., A.M. (Brown University), Antrim, N. H., Graduate Student at Brown University. *Zoology.*
- WALTER S. ANDERSON, M.A., (Randolph-Macon College), Lexington, Ky. Horse Husbandry Department of Kentucky Experiment Station. *Zoology.*
- HELEN PRATT CROSBY (Mrs.), A.B. (Stanford University), 14 Irving Place, Brooklyn, N. Y. *Zoology.*
- JOHN WHITTEMORE GOWEN, B.S. (University of Maine), M.S. (University of Maine), 267 Broadway, Arlington, Mass. Graduate Student at Columbia University. *Zoology.*
- ANNIE PARKER HENCHMAN, Jaffrey, N. H. *Zoology.*

ALEITA HOPPING, A.B. (Hunter College), Tottenville, Staten Island. Assistant Teacher of Biology in the Curtis High School, New York. *Plant Physiology*.

ELMER LENTZ SHAFFER, B.S. (Haverford College), 2137 N. 6th Street, Philadelphia, Pa. Fellow in Biology, Princeton University. *Zoology*.

STUDENTS IN THE SEVERAL COURSES

RALPH VANDERWORT BANGHAM, B.S. (Wilmington, Ohio), B.S. (Haverford College), Wilmington, Ohio, R.D. 1. Assistant at Haverford College. *Animal Bionomics and Evolution*.

JOHN DENMAN BARLOW, Haverford College, Pa. Student. *Field Zoology*.

ROBERT KYLE BURNS, A.B. (Bridgewater College), Bridgewater, Va. Teacher. *Field Zoology*.

VINCENT GODFREY BURNS, B.S. (Pennsylvania State College), 932 52nd Street, Brooklyn, N. Y. *Systematic Botany*.

ISABELLE LAYMAN CARROLL, Hotel Beverley, Staunton, Va. Student at Randolph-Macon Women's College. *Field Zoology*.

CLARA JESSIE CLAIR, 5639 Kingsessing Avenue, Philadelphia, Pa. Teacher. *Bird Study*.

ARCHIE EVAN COLE, B.A. (Ohio Wesleyan University), Plymouth, Ohio. Assistant in Zoology in University of Wisconsin. *Field Zoology*.

EDITH COLEMAN, A.B. (Smith College), 1318 Linden Street, Scranton, Pa. Teacher. *Comparative Anatomy*.

ELLA JOHNSTONE DARLING, 5639 Kingsessing Avenue, Philadelphia, Pa. *Bird Study*.

CARLETON FAISON DEAN, B.S. (February, 1917), (Pennsylvania State College), Mt. Carmel, Pa. Teaching Fellow, Pennsylvania State College. *Systematic Botany*.

LOUIS MORRIS DORFMAN, A.B. (Pennsylvania State College), 5736 Pine Street, Philadelphia, Pa. Teacher in Hatboro (Pa.) High School. *Systematic and Field Botany*.

LINNAEUS BRANDT EARHART, Bachelor in English (Elizabethtown College), Elizabethtown, Pa. Teacher, Principal of High School, Conshohocken, Pa. *Systematic and Field Botany*.

SOLON JOHN FEGELY, A.B. (Lafayette College), Mertztown, Pa. Instructor in Biology, Connellsville High School. *Field Zoology*.

- GEORGE GARFIELD, 1018 East 153d Street, Bronx, N. Y. Student.
Comparative Anatomy.
- RUTH GORDEN, 364 Clermont Avenue, Brooklyn, N. Y. College student. *Field Zoology.*
- SAMUEL PARRY GRUBB, 382 Monmouth Boulevard, Galesburg, Ill. Student at Knox College. *Systematic and Field Botany.*
- THORBORG BRUNDIN HABERMAN (Mrs.), B.A. (Barnard College), M.S. (University of California), 82 Washington Place, New York. *Field Zoology.*
- EDWARD CADMUS HAINES. 54 East Main Street, Moorestown. N. J. Student. *Field Zoology.*
- HENRIETTA HARRIS, A.B. (Hunter College), 655 76th Street, Brooklyn, N. Y. Teacher. *Systematic Botany.*
- REGINALD GORDON HARRIS, 149 Methuen Street, Lowell, Mass. Student. *Field Zoology.*
- CLARENCE ARCHIBOLD HORN, McKeansburg, Pa. Student. *Field Zoology.*
- MILTON PERRY HUNTER, Pleasantville, N. Y. Student. *Field Zoology.*
- MARGARET DOROTHY JORGESON, B.S. (Northwestern University), Park Ridge, Illinois. *Field Zoology.*
- ELOISE KNOX, A.B. (Mount Holyoke College), 237 Bay Street, Springfield, Mass. Teacher. *Systematic Botany.*
- JOSEPH YEAKEL LACKEY, B.S. (University of Pennsylvania), 4541 Manayunk Avenue, Philadelphia, Pa. *Advanced Botany.*
- GERTRUDE ELIZABETH MACPHERSON, 122 Shepherd Avenue, Brooklyn, N. Y. Student. *Field Zoology.*
- ELEATHER MARCELLA MOWRY, Woonsocket Hill, R. I. Student. *Comparative Anatomy.*
- ELIZABETH LOUISE NICHOLS, B.A. (Mount Holyoke College), M.A. (Brown University), Belchertown, Mass. Associate Professor of Biology, Lake Erie College, Painesville, Ohio. *Field Zoology.*
- WILLIAM CYRIL O'DRISCOLL, B.S. (Military College of S. C.), M.D. (Medical College of S. C.), 80 Tradd Street, Charleston, S. C. Teacher. *Comparative Anatomy.*
- WILFRED PICKLES, 56 Dartmouth Avenue, Providence, R. I. Student. *Field Zoology.*

- VERONA ROCKWELL, B.S. (Knox College), 1242 W. Mand., Galesburg, Illinois. Instructor in Science and English, Camp Point High School, Illinois. *Systematic Botany*.
- VIRGINIA ROHDE, Teachers' Certificate (Bloomsburg State Normal School), Union Street, Dorranceton, Pa. Teacher of Grade 3. *Field Zoology*.
- MARY SEARL SAGE (Mrs), 1974 Broadway, New York, N. Y. Lecturer for the Audubon Association. *Bird Study*.
- HENRY SCHMIEDER, B.S. in Biology (University of Pennsylvania), Wagner College, Rochester, N. Y. Teacher at Wagner College. *Advanced Botany*.
- HELEN COLLMAR SNYDER, A.B. (Vassar College), 11 Bentley Avenue, Jersey City, N. J. Teacher of Biology, High School, Elizabeth, N. J. *Animal Bionomics and Evolution*.
- CHARLES FRANCIS STILES, B.S. Agriculture (Miss. A. & M. College), Starkville, Mississippi. Instructor in Entomology and Zoology at the University of Kentucky. *Field Zoology*.
- CHESTER A. STITELER, B.S. (University of Pennsylvania), Jenkintown, Pa. Harrison Scholar in Botany at the University of Pennsylvania. *Systematic and Field Botany*.
- MAXWELL THURN, B.S. (College of the City of New York), 705 East 6th Street, New York, N. Y. Student working for M.A. *Field Zoology*.
- AMELIA VICARI, A.B. (Smith College), 4 Montview Road, Summit, N. J. *Field Zoology*.
- DAVID WECHSLER (College of the City of New York), 65 Second Avenue, New York, N. Y. Student at Columbia University, working for M.A. *Field Zoology*.
- MARY WESTALL, A.B. (Randolph-Macon Woman's College), Asheville, N. C. *Field Zoology*.
- HELEN BARNES WHITING, A.B. (Mount Holyoke College), 35 Valley View Avenue, Summit, N. J. Instructor in Biology, Women's College, Brown University. *Field Zoology*.
- RUTH WICKENDEN, 602 Starr Avenue, Toledo, Ohio. Student at Denison University. *Comparative Anatomy*.
- JAMES WALTER WILSON, 956 Clay Street, Manchester, N. H. Student. *Field Zoology*.
- HELEN GRAHAME WRIGHT, A.B. (Mount Holyoke College), 81 Greene Street, Pawtucket., R. I. Teacher. *Field Zoology*.

TRAINING COURSE FOR FIELD WORKERS IN EUGENICS

VIRGINIA FRANCES ANDERSON, B.S. in Biology (University of Kentucky), 147 Kentucky Avenue, Lexington, Kentucky.

RUBY KATE BADGER, 251 West 20th Street, Erie, Pennsylvania. At State Hospital, Warren, Pa.

DEBORAH HOWES BARUS, A.B. (Vassar), 30 Elmgrove Avenue, Providence, R. I. Student at "School for Social Workers."

ELIZABETH BORDON, A.B. (Smith College), 87 Portland Street, Hartford, Conn.

ESTHER CLARISSA COOK, B.A. (Brown University), 28 Andrews Street, Woonsocket, R. I.

SARAH EVERETT COYLE, Waynewood Park, Plainfield, N. J. Field worker for Institution for Defectives.

LUCILLE HARRISON CRUICKSHANK, B.S. in Agr. (Kentucky State University), 456 Columbia Avenue, Lexington, Kentucky.

MARJORIE EMMONS (Oberlin College), North Ridgeville, Ohio.

HELEN SEIDEL EVANS, B.A. (Swarthmore College), 6940 Torresdale Avenue, Tacony, Philadelphia, Pa.

MARIE GARDNER (Mrs.), A.B. (Downer College), 123 East 60th Street, New York, N. Y.

MARY EVA KITCHEL, A.B. (Oberlin College), Boonton, N. J.

JESSIE KLINE, B.A. (University of Minnesota), Anoka, Minn.

ELEANOR HALL KRESS, B.A. (Dickinson, Pa.), Lock Haven, Pa. Secretary, Children's Aid Society, Lock Haven.

LOUISE ANNA NELSON, Ph.B. (University of Colorado), A.M. (Columbia University), 1709 East Republican Street, Seattle, Washington.

DOROTHY OSBORN, B.A. (Ohio State University), 485 King Avenue, Columbus, Ohio.

HOMER PERRY, B.S. Agr. (in January, 1917), University of Kentucky), 414 Columbia Avenue, Lexington, Kentucky.

ELSIE EMBLEY PICKLES, Ph.B. (Brown University), 56 Dartmouth Avenue, Providence, R. I.

FREDERICK LEET REICHERT, Ph.B. (Franklin and Marshall College), 410 Manor Street, Lancaster, Pa. Student at Johns Hopkins University.

ETHEL LORD SCOFIELD, Box 57, Branford, Conn. Eugenics Research.

HELEN RAYMOND SMITH, B.A. (Smith College), First Bank and Trust Company, Du Quoin, Ill. Teacher of Mathematics and Juvenile Court Probation Officer.

MARIAN SWEET, A.B. (Brown University), 145 Congress Avenue, Providence, R. I.

The Twenty-eighth Session of the Laboratory will be held at Cold Spring Harbor, L. I., from July 5 to August 16, 1917.

COURSES OF INSTRUCTION

All courses, except where stated to the contrary, occupy six to seven hours per day. Lectures in all Courses at 8:15 A. M.

ZOOLOGY

1—"Field Zoology," under Dr. WALTER, Dr. KORNHAUSER, and Dr. DAVENPORT, with assistance from others.

1a—"Bird Study," under Mrs. WALTER, with Dr. EHINGER, and additional assistance.

2—"Comparative Anatomy," under Dr. H. S. PRATT and H. S. HINE.

3—"Animal Bionomics and Evolution," under Dr. DAVENPORT.

BOTANY

1—"Systematic and Field Botany," under Dr. HARSHBERGER and Mr. MILLER.

EUGENICS

1—"Training Course for Field Workers in Engenics," under Dr. DAVENPORT and Mr. LAUGHLIN.

BIOLOGICAL CLUB

A club will be formed, meeting two or three times a week, and open to all members of the Laboratory, for the purpose of giving abstracts of recent biological literature and discussing results. By this means it is hoped that all may be brought into touch with investigation, may get an insight into what biologists are working at to-day, and may gain some practice in the presentation of papers and in the free discussion of them. The club will be addressed also by visiting naturalists.

PUBLICATIONS

Means will be provided for the publication of completed researches in the "Science Bulletin" of the Brooklyn Institute of Arts and Sciences, in the "Cold Spring Harbor Monographs," of which eight numbers are issued and one is in press, or elsewhere.

The following books and papers, based in whole or in part on work done, or material collected, at Cold Spring Harbor in connection with the Laboratory, have been published during the past few years:

WILLIAM H. BROWN and LESTER W. SHARP.—The Embryo Sac of *Epipactis*. *Botanical Gazette*, Vol. LII, No. 6, December, 1911, pp. 439-452, 1 plate.

DUNCAN S. JOHNSON and HARLAN H. YORK.—Relation of the Plant to Tide Levels. *Johns Hopkins University Circular*, February, 1912, 6 pages.

SIDNEY I. KORNHAUSER.—A Comparative Study of the Chromosomes in the Spermatogenesis of *Enchenopa* (*Campylenchia* Stål) *curvata* (Fabr.). *Arch. f. Zellforschung*, Bd. XII, 241-298. Jan., 1914.

G. CLYDE FISHER.—Development in the Genus *Pteromia*. *Bulletin of the Torrey Botanical Club*, Vol. XLI, pp. 137, 156, 221-241, plates 2-6. May, 1914.

G. CLYDE FISHER.—Seed Development in the Genus *Peperomia*. *Botanical Contribution from the Johns Hopkins University*, No. 35.

From the Bulletin of the Torrey Botanical Club, 41; 137-156, pl. 3-6. 20 March, 1914. With plates 3-6 and a text figure; also pages 221 to 241.

BENJAMIN SCHWARTZ and SHELLEY R. SAFIR.—The Natural History and Behavior of the Fiddler Crab. Cold Spring Harbor Monographs, No. 8, 24 pages. June, 1915.

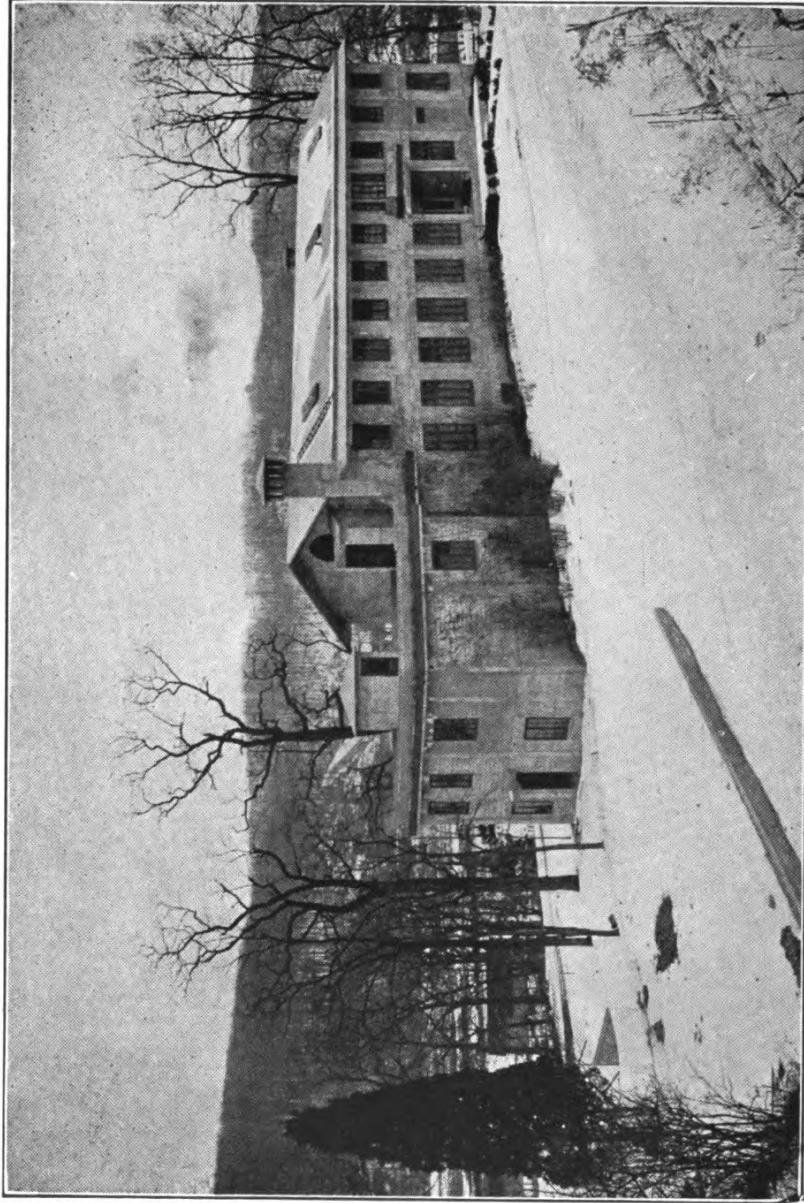
HARRISON R. HUNT.—Regeneration Posteriorly in *Enchytraeus Albidus*. Reprinted from American Naturalist, Vol. XLIX, No. 584, pp. 495-503. August, 1915.

DUNCAN S. JOHNSON and HARLAN H. YORK.—The Relation of Plants to Tide Levels; A Study of Factors Affecting the Distribution of Marine Plants. Publication of the Carnegie Institution of Washington, No. 206, 163 pages, 20 plates and charts. 1916.

EQUIPMENT

The Laboratory is now in possession of several buildings :

1. A large laboratory accommodating about sixty students and fitted with aquaria, running salt and fresh water, private rooms, library, etc.
2. A Laboratory building intended exclusively for investigators, containing 13 private rooms, situated about 300 metres from the main plot of ground, and completely equipped.
3. A lecture hall, used for class lectures, public lectures, and club meetings. It is furnished with an electric lantern. In the basement of this building is a dark room for photographing purposes, equipped with running water.
4. Four dormitories with a total capacity of 75 persons. The rooms in the dormitories are adequately furnished and are supplied with linen and towels. A fire-proof dormitory for women with a general dining-hall, finely equipped, has been recently built—a gift to the Laboratory from Mrs. Eugene G. Blackford, as a memorial to Mr. Blackford, the first president of the Board of Managers of the Laboratory. It is lighted by electricity and is connected with a 10,000-gallon elevated water tank, and with a sewerage system of the Waring type. For the accommodation of students in the Training Course for Field



**BLACKFORD HALL—DINING HALL, ASSEMBLY ROOM AND
WOMEN'S DORMITORY, OF CONCRETE**

Workers in Eugenics, and for others, there are two tent colonies (comprising eleven tents, each with two single beds and furnished) on the land of the Eugenics Record Office. But all members of the Laboratory may board at Blackford Hall.

The Laboratory is equipped with a 35-foot, 12 horsepower motor boat, capable of making about 8 miles an hour, which runs on almost daily trips through the harbor and sound for purposes of dredging and conveying parties to distant collecting grounds or study areas. In addition, there are small boats, the necessary collecting apparatus, and a store-room where instruments, stationery, optical apparatus, etc., may be purchased at a price slightly above cost. A limited number of microscopes may be rented at the Laboratory, but each person is urged to bring a dissecting microscope and a compound microscope if possible.

There is a library of both zoological and botanical works, particularly including text-books, systematic works, and several hundred books and pamphlets on animal and plant morphology and physiology. The extensive biological library (4,900 volumes) of the adjoining Station for Experimental Evolution is also available for use. There is a card catalogue record of over 1,000 species of animals and plants found near the Laboratory.

The Laboratory is situated in a center of biological activity that is maintained throughout the year. The State of New York maintains here its largest fish hatchery, where many millions of brook trout and tom cod are annually hatched. The Station for Experimental Evolution, Carnegie Institution of Washington, is located on the grounds adjoining those of the Biological Laboratory, and is under the same direction. Twenty acres of land are occupied by gardens, pastures, breeding pens and houses, greenhouses and the main administration building. A scientific staff of seven persons is constantly maintained here, and these con-

tribute, through demonstrations and occasional lectures, to the scientific activity of the Laboratory. The Eugenics Record Office, devoted to the collection and study of data on human heredity, is located near by on a tract of about eighty acres.

EXPENSES AND AIDS

Tuition. The Laboratory fee, including one course of instruction, the general lectures, and the use of the laboratory privileges, is \$30. Students who make use of the Laboratory microscopes are charged \$5 extra.

Board is furnished to students only for \$5.00 per week, an additional charge of 5 cents a day for each person, being made for attendance at the table. Board may be furnished to relatives or friends accompanying students, if due notice is given; rate \$1.00 per day. **Rooms** in the dormitories cost \$1.50 to \$3.00 per week, according to size and situation. The larger rooms will accommodate two students. The rental for the tents (each holding two persons) is \$2.00 for each person, per week, furnished and cared for. A fee of five dollars should accompany each application for the reservation of a room. Diagrams of available rooms, with prices, will be furnished on application. The whole expense to the student for the session will be from \$75 to \$100. Arrangements for married persons and their children may be made by correspondence. Rooms may be obtained in the neighborhood for relatives of students. The Laboratory has a few rowboats, each available for a party of four or five persons, at a rental of five dollars for the season.

Scholarships. Besides the various scholarships offered by colleges and universities to students in their biological

departments and applicable to this Laboratory, the following scholarship has been recently established:

The TEMPLE PRIME scholarship established by Miss CORNELIA PRIME, of Huntington, in memory of TEMPLE PRIME, a distinguished student of the mollusca. Amount \$100.

One LABORATORY RESEARCH SCHOLARSHIP has been authorized by the Board of Managers for 1916. Amount \$100. Intended primarily for an independent investigator.

Application for either of these scholarships is to be made to the Director of the Laboratory before April 1st.

A limited number of students can defray the cost of board by waiting on table.

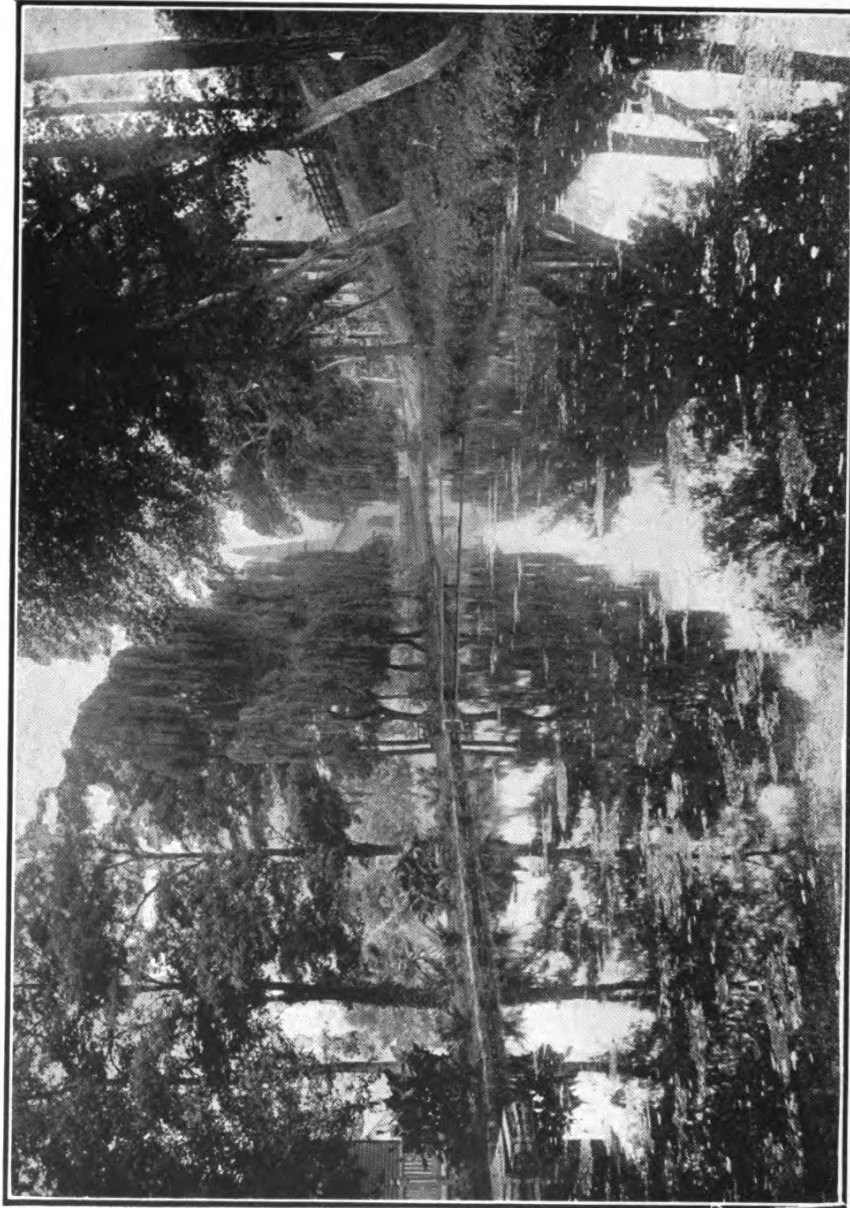
Suggestions as to Outfitting. For the benefit of novices at the seashore it is suggested that "outing clothes" are especially to be recommended, including heavy but comfortable shoes or boots, a pair of rubber-soled sneakers, clothing of resistant fabric, a complete modest bathing costume, a raincoat, and provision for cool as well as warm weather.

LOCATION

The situation of the Laboratory is unique. It is placed at the head of Cold Spring Harbor, a long and beautiful bay on the north shore of Long Island. This harbor is divided by an interesting beach of sand into an outer and inner basin. The outer basin opens widely into Long Island Sound, the coast of which has a varied character for miles in either direction. At the mouth of the inner basin are flats where molluscs, echinoderms and burrowing crustacea and worms are abundant. The inner basin has a muddy bottom largely exposed at low tide and offering unusual opportunities for collecting bottom animals and plants. The

plancton of the inner harbor is exceptionally abundant. Into the head of the inner basin flows Nachaquatuck Creek, in whose estuary the transition from marine to fresh water and to terrestrial organisms may be clearly traced. Further up are four beautiful fresh-water lakes and streams which contain an abundance of fresh-water organisms. In the valley are found a salt marsh and above the lakes a sphagnum bog. The shores of the harbor and of the lakes are densely wooded and exhibit the most diversified fauna and flora. On the upland, over two hundred feet above sea level, are stretches of meadows and gardens. Across the sound are rocky promontories and islets to which visits are made. Twelve miles to the southward, accessible by a trolley line running from the adjacent village of Huntington, is the open Atlantic beating on a great sandy beach, covered with sand dunes.

How to Reach the Laboratory. The Laboratory lies on the north side of Long Island about thirty miles from Manhattan Island, about fifteen miles beyond the nearest part of the boundary of Greater New York, and two miles from the village of Huntington. Persons coming from the West and South will find the Pennsylvania Railroad most convenient, since direct connection is made at its new terminal in Manhattan with trains to Cold Spring Harbor on the Long Island Railroad, changing cars at Jamaica. Those arriving at the Grand Central depot may go by cars to the Pennsylvania-Long Island depot at West 33d Street and Seventh Avenue, or they may take the New York subway south to its terminus at Atlantic Avenue, where transfer is made to the Long Island Railroad. From the depot a short stage ride (25c.) brings one to the Laboratory at Cold Spring Harbor. During the summer months there are ten or more trains a day from the city. From the East, the boat from New London to Greenport, L. I., may be



FISH POND AT THE HATCHERY

taken; thence by rail to Hicksville, and from Hicksville to Cold Spring Harbor; but persons proposing to make this trip should determine some time in advance the times of sailing of the boat. Ferries across the Sound from Bridgeport to Port Jefferson, and from Rye, N. Y., to Glen Cove, Long Island, are usually operated daily during the summer time.

SUBSCRIPTIONS FOR ORIGINAL RESEARCH AND EQUIPMENT

Subscriptions for the support of the Laboratory during the season of 1916 were made as follows:

SUBSCRIPTIONS, BIOLOGICAL LABORATORY

1916

Howard C. Smith.....	\$ 50.00
Henry F. Noyes.....	100.00
A. Heckscher	50.00
Walter Jennings	100.00
Francis M. Weld.....	25.00
Edward Thompson	25.00
Albert Strauss	50.00
Robert W. DeForest.....	25.00
Louis C. Tiffany.....	75.00
Walter B. James	100.00
John W. F. Nichols	50.00
William B. Davenport	25.00
Wawepex Society	30.00
Alfred G. Mayer	10.00
William J. Matheson	150.00
T. S. Williams	100.00
Donald Scott	50.00
Mrs. Eugene G. Blackford	100.00
Rudolf E. F. Flinsch	25.00