

REPORT TO TRUSTEES OF THE CARNEGIE INSTITUTION

GENERAL INTRODUCTION.

A statement of the scope and aims of the Marine Biological Laboratory, to be prepared by Prof. Whitman.

ESTIMATES ON THE EXPANSION AND MAINTENANCE OF THE WORK OF THE
MARINE BIOLOGICAL LABORATORY.

I. Initial Cost,

- a. Of Ideal Plan.
- b. Practicable Plan.

II. Cost of Maintenance,

- a. Ideal Plan.
- b. Practicable Plan.

I.

INITIAL COST.

1. Land,

- a. We have plans of Woods Holl property and have secured several pieces, as follows:-

Land of C.G. Kidder about 157x280 ft.	\$3,700.00
Land of old Candle House Co, 157x150	6,000.00
Land of Isaiah Spindle, 200x70 ft.	6,375.00
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	\$16,075.00
- b. The following are desirable:-
 - Property of Woods Holl Yacht Club, completing water-front.
 - Property in block occupied by present laboratory buildings.
- c. Suggestions on sites for branch stations:-

2. Buildings.

- a. Plans of Marine or University Biological Laboratories useful for suggestion.
- b. Departments to be provided for:-
 - i. Zoology; suggestions as to number, size, and arrangement of rooms, etc.:-

 - ii. Botany; suggestions as to number, size, and arrangement of rooms, etc.:-

 - iii. Physiology; suggestions as to number, size, and arrangement of rooms, etc.:-

 - iv. Collectors' rooms and accommodations; suggestions

 - v. Library-rooms and equipment.
 - vi. Photographic and dark-rooms.
 - vii. Power house for pumping, heating, lighting.
- c. Aquaria and plumbing.
- d. Site of buildings.
- e. Locations of branch stations.
Suggestions on construction of these? cost?
Movable stations (e.g., boat-houses)? etc.

3. Equipment (Permanent)

- a. Furniture.
 - i. Work tables
Any specifications useful for reference:-

- ii. Water tables.
- iii. Miscellaneous; e.g., cabinets, office furniture, etc.

b. Scientific Apparatus.

- i. Zoological.
- ii. Physiological.
- iii. Botanical.

c. Flotilla.

- i. Steam-launches
- ii. Sail-boats
- iii. Auxilliary motors for ii.
- iv. Small boats.

d. Collecting apparatus, etc.

4. Library.

- a. Cost of complete zoological, physiological and botanical library including such material as monographs, etc
- b. Suggestions for library equipment:-

5. Pier.

- a. Extent?
Accommodations to be provided for,-
- b. Float-stages, live-cars, etc.

6. Residence Accommodations.

- a. Director and staff.
- b. Small Houses for Investigators' families.

II.

MAINTENANCE.

1. Annual Equipment.

- a. Equipment proper:-
 - i. Microscopical apparatus
 - ii. Zoological apparatus
 - iii. Physiological apparatus
 - iv. Collecting apparatus
- b. Supplies and Expense:-
 - i. Chemicals
 - ii. Glass-ware
 - iii. Office supplies
 - iv. Collectors' supplies

2. Annual Library Expense.

- a. Periodicals
- b. Other literature

3. Annual Publications.

- a. Biological Bulletin
- b. Journal of Morphology
- c. Monographs
- d. Announcements, reports, and advertising.

4. Staff (Scientific)

5. Assistance.

- a. Business Manager
- b. Book-keeper
- c. Stenographer
- d. Artists
- e. Chemist
- f. Collectors
- g. Janitor
- h. Crew of boats.

6. Insurance, taxes, water-rates, repairs.

7. Lecturers.

8. Fuel and Lighting.

9. Emergency Accounts.

- a. Room rent
- b. Tools
- c. Telegraphing
- d. Laundry (towels)
- e. Emergency supplies and expense
- f. Travelling, etc.

At the meeting of the Board of Trustees of the Marine Biological Laboratory to be held in Woods Holl, Tuesday, August 12th, 1902, a committee must be appointed to draw up a report of future plans of work of the Laboratory. It has been suggested by members of the Executive Committee of the Carnegie Institution that our report should include an ideal plan, limited in extent and cost only by wise consideration for the future development of Marine Biology, as well as a practical plan based on an estimate of about \$80,000 for land, buildings, and permanent equipment, and an income for maintenance of from \$20,000 to \$30,000 a year. The accompanying skeleton sketch of needs in various lines is sent out in the hope that the Trustees may be able to make suggestions on any points mentioned or others, and furnish estimates, specifications, or plans. Any material of this kind sent in to the under-signed will be kept for the information of the committee mentioned above.