

CAPE HAZE MARINE LABORATORY
Placida, Florida

1957

CHARLOTTE HARBOR

BOCA GRANDE

GULF OF MEXICO

R.R. BRIDGE TO BOCA GRANDE

TOWN OF PLACIDA

GASPARILLA SOUND

GASPARILLA ISLAND

GASPARILLA PASS

Cape Haze
MARINE LABORATORY

LITTLE GASPARILLA ISLAND

LITTLE GASPARILLA PASS

Cape Haze
ENTRANCE

DON PEDRO ISLAND

KETTLE HARBOR

TO LEMON BAY

Highway 775

Aerial photograph of Placida area facing southward showing location of the laboratory.

CAPE HAZE MARINE LABORATORY

Placida, Florida

GENERAL INFORMATION

The Cape Haze Marine Laboratory was established in January, 1955, by William H. and Alfred G. Vanderbilt and was incorporated as a non-profit organization in June, 1955. The purpose of this laboratory is to encourage and develop the study of marine biological sciences and related subjects through scientific research, by the staff and visiting investigators, exchange of scientific information and dissemination of information to the public by way of exhibits, displays, lectures and other public programs. The Laboratory is the first part of a cultural center which is being planned at Cape Haze, a residential and beach development of the Vanderbilts adjoining their 54 square miles of cattle ranch land and agricultural property.

The Laboratory is open all year round. There is no teaching program. Laboratory space is mainly for senior investigators and their assistants, although arrangements may be made for graduate students.

LOCATION

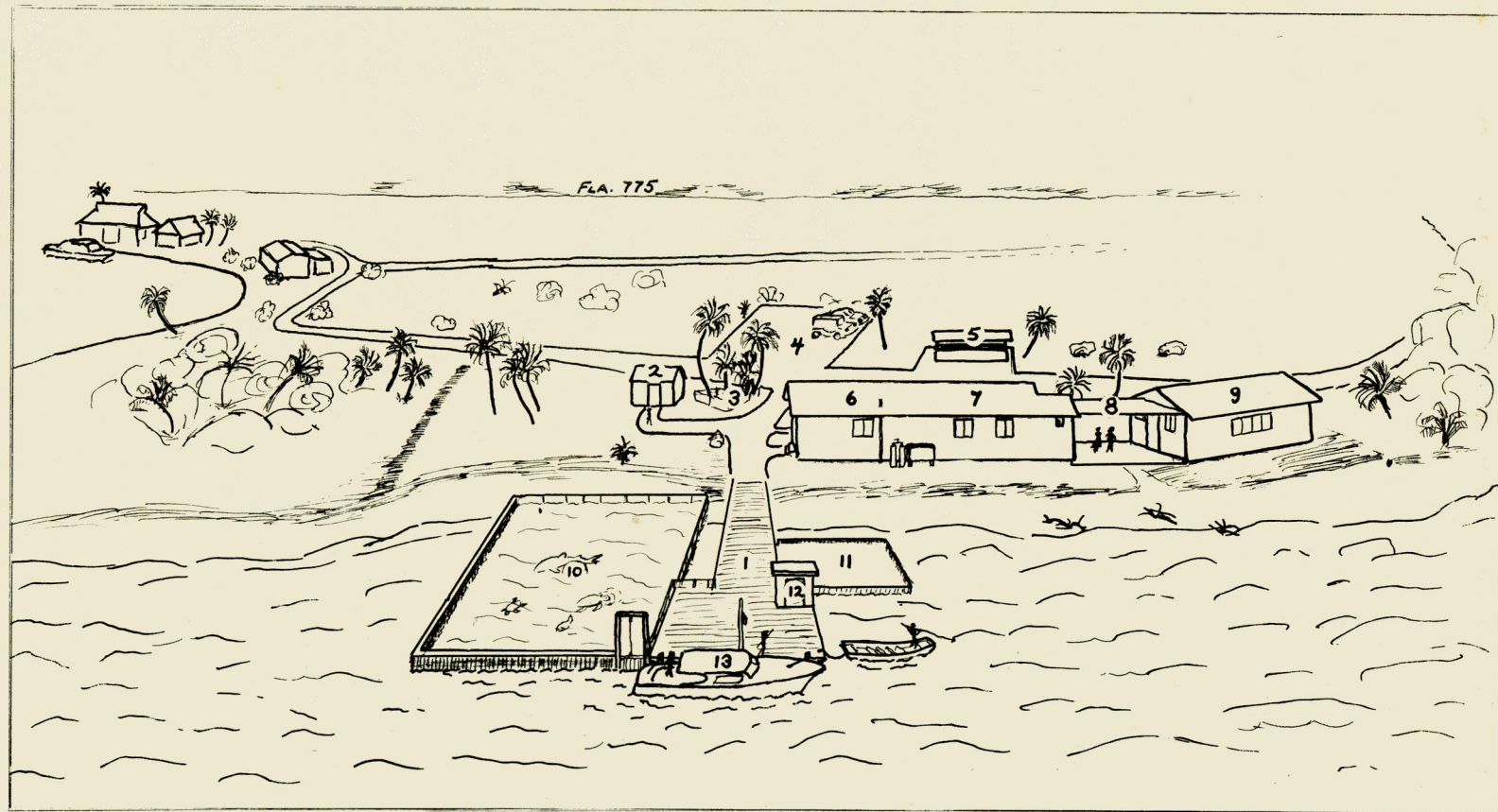
The Laboratory is situated in Placida on Gasparilla Sound with nearby passes and a road which afford quick access to the open waters of the Gulf of Mexico. The outer shoreline is of white sand and mixed shell. Rocky reefs covered mostly with sponges, tunicates, and algae are located close to shore in the Gulf. There are various inland shallow bays with sand bars and mangrove trees. At low tide there are exposed extensive mud flats suitable for collecting invertebrates.



Through the laboratory window. Mangrove trees border the shoreline.

HOW TO REACH THE LABORATORY

The Laboratory is located in Placida 45 miles south of Sarasota. Motoring from Sarasota, take U. S. 41 south through Venice. Four miles beyond Venice bear right on State Road 775 through Englewood. From the junction of U. S. 41 and State Road 775 it is 16 miles to Cape Haze. Turn right at Cape Haze development, in the northern outskirts of Placida. Directions to the Laboratory may be obtained from the Cape Haze Corporation office.



Sketch of the laboratory grounds: 1. dock 2. storehouse 3. alligator and turtle pens 4. parking area 5. concrete pool 6. museum room 7. aquarium room 8. breezeway 9. library and study 10. large fish pen 11. small fish pen 12. pump house 13. collecting boat.

THE LABORATORY BUILDINGS AND EQUIPMENT

The Laboratory consists of two buildings (connected by a breezeway): one is 12 x 40 feet; the other 16 x 30. There is a general work room with preserved collections of local marine specimens, especially fishes, an aquarium room, and a library-study room. The library contains over 500 bound volumes and about 3,000 reprints and journals pertaining to marine biology. A subject and author index file is maintained for library items. The laboratory has table space for about six investigators. There is a small storehouse near the laboratory and a dock 65 feet long, 8 feet wide, with a 22 x 22 "T" at the end. There is a shaded outdoor work bench on the dock.

The aquarium building is supplied with both running sea water and fresh water. There are 110 and 220 volt AC, and bottled gas, outlets. Facilities for keeping living specimens include 8 glass aquaria (8 to 20 gallons), 3 porcelain lined tanks (cap. 50 gallons each), numerous small aquaria (1 to 5 gallons), 4 small cages, a shallow 4 x 8 wooden outside aquarium, an outside concrete pool 8 x 16 feet with removable dividers to make three pools (two 4 x 8 and one 8 x 8 feet). There are two stockaded pens 30x 80 feet and 15x25 feet adjacent to the dock, and two small land pens. 40x70

The Laboratory has an adding machine, typewriter, analytical balance, a beam balance and a set of scales on the dock for weighing large specimens up to 500 pounds for general use. A compound microscope, stereoscopic dissecting scope and camera lucida are available for occasional reference use, but investigators are expected to bring their own microscopic equipment for extensive use.



*The director and a visiting scientist
go over charts in the library.*



The aquarium room.



*Visiting scientists examine a bonnet head shark
in the general work room.*

FIELD EQUIPMENT

A 16 foot specimen boat with an outboard motor and 25 sq. ft. of well space is available for work in the bay areas. Special arrangements may be made to use a 21 foot Chris Craft cabin cruiser for work in the Gulf. A variety of small nets, a 120 ft. seine, an 18 inch diameter plankton net, dredge, a beam trawl, and a 16 hook shark line are present. Equipment for skin diving, including an aqualung, is also available but investigators using diving methods for routine collecting and observing are advised to bring their own equipment.



Seining for fish at a nearby inland spring.

EXPENSES AND HOUSING

The fee for use of laboratory space and equipment is \$1 .00 per day or \$5.00 per week, plus gasoline expenses when boats are used extensively.

Living accommodations may be arranged at motels or cottages in Englewood less than a 10 minute drive from the Laboratory. Small efficiency apartments for two persons vary from \$3.50 during the summer months to \$7.00 a day during the winter season. The Laboratory maintains a small two bedroom cottage for investigators. The fee is \$2.00 a day per person and \$3.00 a day per couple occupying the same room. Reservations should be made well in advance.

For application forms and detailed information
write the Director of the Laboratory



*Dr. Saunders analyzes fish blood smears
in the general work room.*



A corner of the library-study.

STAFF

Eugenic Clark, Ph.D. Director
Dorothy Sounders, Ph.D. Research Associate
John H. Heller, M.D. Research Associate
Beryl Chadwick and Oley Farver Collectors

ADVISORY BOARD

Charles M. Breder, Jr.
Archie Carr
Robert Cushman Murphy

Leonard P. Schultz
Alfred G. Vanderbilt
William H. Vanderbilt

AFFILIATION

The Laboratory is affiliated with the New England Institute for Medical Research whose laboratories for physiology, radioisotopes, microbiology and chemistry are open to the Cape Haze Marine Laboratory staff and visiting investigators. By special arrangement these facilities are available for the analysis of samples or for special procedures (e.g., radioactive tagging and identifications.)



Shark surgery is conducted in the breezeway.

FINANCIAL BACKGROUND

The Laboratory is supported by gifts, grants, and membership. Annual dues of regular members are \$10.00, sustaining members \$25.00, benefactor members \$500.00 and founder members \$100.00. All gifts, grants and membership dues qualify for federal income tax deductions as charitable contributions.



*Underwater
sound
analysis.*

REGULATIONS FOR RESEARCH INVESTIGATORS AT THE CAPE HAZE MARINE LABORATORY

1. The Laboratory is not responsible for any damage, loss, or theft of personal effects or scientific equipment brought to the Laboratory by investigators. It is recommended that valuable equipment be insured.
2. An investigator must sign an application form and have this approved before beginning his stay at the Laboratory. An extension over the stay originally proposed may be granted if space is available.
3. While every effort will be made to aid investigators, the management of the Laboratory is not obliged to assume any responsibilities in connection with their work.
4. Permission to use any laboratory or field equipment must be obtained in advance from the Director.
5. If for any reason it is considered desirable to terminate the stay of any individual, he will relinquish and vacate his quarters on request.

RESEARCH INVESTIGATORS FORM
for
THE CAPE HAZE MARINE LABORATORY

Name

Mailing Address

Date of Birth

Institute affiliation and position

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Expected duration of stay at Laboratory.

Laboratory and field equipment desired

Nature of study to be made at Laboratory.....

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Any publications resulting from work done at the Cape Haze Marine Laboratory will give the Laboratory proper credit. In the case of publications based largely on work done at the Laboratory, notification will be made to the Director, thus enabling the Laboratory to order reprints.

Signed _____

Date _____

Application accepted _____

Date _____