If nothing interests you as much as research and development... consider the advantages of a career in the laboratories of the David Taylor Model Basin

The David Taylor Model Basin, one of the oldest government laboratories, has grown steadily in size and responsibility and is now concerned with design concepts for aircraft and missiles, as well as with surface ships and submarines. Its five major laboratories conduct basic, applied, and developmental research in these fields:

HYDRODYNAMICS—hydrofoil craft, interface vehicles, novel ship types, fluid dynamics, high-speed phenomena.


STRUCTURAL MECHANICS—Submarine and surface ship structures, effects of underwater and surface explosions, ship personnel protection, deep-sea research vehicles.

APPLIED MATHEMATICS—Computer aided ship and system design, automated data processing, numerical techniques, management data analysis.

ACOUSTICS AND VIBRATION—Radiated, near-field, still and hydrodynamic noise, stowage compartments, silencing devices, noise transmission.

As an engineer or scientific career at the David Taylor Model Basin offers you many advantages:

1. Because of the mission of the Model Basin, you can be sure that you will be engaged in research, development, test and evaluation not as a bystander, but as an active and increasingly important participant. Whatever your discipline, you will have the opportunity to apply it to one of the important projects in which the Model Basin is engaged.

2. You will have the satisfaction and excitement of working on projects that advance the state of the art and are national and international importance.

3. Working with you will be men whose engineering and scientific achievements have earned them wide reputations in their fields. Your contact with them will be of immeasurable value in your own development as a professional engineer or scientist.

4. You will work in a campus-like environment with 186 acres of laboratories and supporting facilities with millions of dollars worth of equipment. For instance, the Hydrodynamics Laboratory has a Towing Basin 3 ½ of a mile long, 50 feet wide, and 20 feet deep; a Maneuvering Basin that covers 5 acres. The Applied Mathematics Laboratory uses four high-speed digital computers to solve engineering and logistic problems. The ultra-high-speed UNIVAC LARC performs 500,000 computations per second. The Aerodynamics Laboratory is equipped with nine wind tunnels, subsonic, transonic, supersonic, hypersonic, for the testing of aircraft, missile and airborne components. Ten pressure tanks, and servos and compressors load testing machines are among the devices used by the Structural Mechanics Laboratory in research on hull structures for ships, deep-diving submarines and deep-sea research vessels. Mechanical generators in the Acoustics and Vibration Laboratory can produce known forces in structures ranging from small items of machinery to complete ships.

5. The management of the Model Basin is interested in your professional development. It provides you with the opportunity to receive financial assistance and time (up to 8 hours a week) to attend classes at one of the major universities in the immediate area, which offer courses in virtually every major discipline. As a Civil Service employee, you get generous vacations and sick leave, inexpensive life and health insurance, and enjoy the benefits of an unusually liberal retirement program.

6. At the David Taylor Model Basin, you can reach the $10,000 to $12,000 level within four years. In addition, a number of graduate courses are conducted at the Model Basin. Under a new program, several employees are now engaged in full or ¾ time advanced academic study and receiving full salary as well as all their expenses.

7. Within minutes of the Model Basin are the suburbs of Maryland and Virginia offering excellent living conditions, unusual recreational facilities, and some of the best public school systems in the country. Because the Washington area is a center for scientific research as well as for government, there is a large concentration of people of intellectual and cultural attainments. Washington, D. C., with its museums, art galleries, Libraries and points of historical interest is just 10 miles from the Model Basin.

For more information about the David Taylor Model Basin and the opportunity it offers you, see the interviewer who visits your campus or write directly to Mr. S. DiMaria, Head, Office of Civilian Personnel.

DAVID TAYLOR MODEL BASIN

On Campus Interviews

Representative from the David Taylor Model Basin will be available for interviews on Tuesday, Feb. 15

Contact Your College Placement Officer for an Appointment

The David Taylor Model Basin is looking for well-qualified college graduates with BS, MS or PhD degrees in aerospace, electronics, marine, mechanical, civil or structural engineering.

Applied mechanics, mathematics, physics, and naval architecture.

Institute to receive money from Maytag

Robert E. Vanoe, president of the Maytag Company Foundation, Inc., announced that MIT is the recipient of personal contributions from Maytag employees through the company's gift-matching plan. MIT is one of 33 colleges and universities receiving such funds in 1963.

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