

January 21, 1966

Volume 7, No. 2

ONR MEETINGS HELD IN WOODS HOLE

During the past week, the Institution hosted two meetings sponsored by the Office of Naval Research.

The first gathering was held in the LMS Auditorium on January 17 and 18. Represented were most of the major oceanographic laboratories in this country as well as Canada and England.

The purpose of this meeting was to conduct a detailed evaluation of four proposed long range oceanographic experiments. These include studies proposed by the Scripps Institution of Oceanography, Texas A & M, the Institute of Marine Science (Miami), and the Woods Hole Oceanographic Institution. All of the proposals concern the field of physical oceanography.

(Cont'd on Page 4, column 1)

DAVID ROSS TO TEACH EVENING CLASS AT HYANNIS

David Ross will become a part-time instructor early in February when he opens an evening class at the Cape Cod Community College, Hyannis.

The subject of his class will be An Introduction to Oceanography. It will be taught two evenings per week, on Tuesdays and Thursdays. Classes open on February 7.

The course is being offered as a part of the College's Evening Division and as a subject of special interest to adults. Dave will attempt to offer his students a basic introduction to the field of oceanography, and will then take up each of the disciplines involved. In addition to explaining these disciplines, Dave will show the relationships of each to the others.

ALVIN PREPARES FOR RETURN TO BAHAMAS

The ALVIN Group has been busy this week and will be even busier next week getting DSRV ALVIN ready for her return to the Bahamas and to scientific work in the Tongue of the Ocean.

ALVIN is scheduled to leave Woods Hole on board her catamaran mother-ship on January 31. The tow south will be made by the Navy tug, USS KEYWADIN (ATA 213) out of Boston. The trip is expected to take about ten days.

According to Dr. Earl Hays, project supervisor, ALVIN will be brought by truck from the Otis Air Force Base on Wednesday or possibly Thursday to be placed aboard the catamaran at the Town Pier. At Otis, ALVIN has been undergoing her annual inspection and refitting. No major alterations have been made to the submarine; however, a new rack has been installed on her bow to hold samples and specimens
(Cont'd on Page 4, column 2)

PERUVIAN SCIENTIST WILL STUDY HERE

Sra. B. Rojas de Mendiola will arrive in Woods Hole next week to undertake two months studies with personnel from the Department of Biology. Her special interest is in the field of phytoplankton.

Sra. de Mendiola's permanent affiliation is with the Peruvian Institute of the Sea of Lima. Her trip to Woods Hole has been made possible through a grant from the Food and Agriculture Organization of the United Nations.

During her stay here, the Peruvian scientist will be working closely with Drs. John Ryther, Dave Menzel, Ed Hulburt and Bob Guillard.

6 COMINGS AND GOINGS

Dr. Paul M. Fye, Director, attended the 27th Meeting of the Undersea Warfare Research and Development Planning Council, January 11-13 in Norfolk, Virginia.

Dr. David McGill left on January 13 for Bombay, India, to teach a UNESCO course in oceanography. He will return to the Institution on March 14.

Dr. Eric Kraus will present a paper to the 46th Annual Meeting of the American Meteorological Society Jan 24 to 27 in Denver. His subject will be, "Wind Stress Along the Sea Surface".

Andy Bunker will also attend the meeting and then will travel to Boulder to attend a meeting of the National Committee for Atmospheric Research.

Several members of the Massachusetts Maritime Academy visited the Institution on Wednesday and were given a tour of the facilities by John Pike, with emphasis on the operational aspect of research vessels. This visit was one of a series that the students make.

Dr. Bostwick H. Ketchum spoke briefly to the New England Section of the Marine Technology Society in Boston on Tuesday.

Thomas Sutcliffe addressed the Power Squadron in Mattapoisett on January 15 and the Onset Parent Teachers Association on Wednesday.

Scripps' Max Silverman is spending several days in Woods Hole. He has been here for talks with Jess Stanbrough, Jon Leiby and other members of the staff.

Dr. Richard M. Pratt presented a talk to the Engineers' Club of Sparrows Point on January 12. The title of his talk was "The Ocean and its Phenomena".

At the Conference of Economic Geology, sponsored by the University of Massachusetts, from January 24 to 26, Elazar Uchupi and John Hathaway will present papers describing some of the results of the joint WHOI-USGS shelf program. Mr. Hathaway's paper is co-authored by J. Schlee, J. Hulsemann, and J. V. A. Trumbull.

ARRIVALS (Cont'd from Page 5)

James Souza, warehouseman. He was formerly employed by the Institution from 1956-1960 on the BEAR and CHAIN.

The Institution will miss:

Roger Martin, laboratory assistant in the Geophysics Department.

Christopher Murphy, laboratory assistant in the Geophysics Department, who will enter the Peace Corps.

Joseph Mizula, research assistant to Al Vine, who is leaving for Alpine Geophysical Associates.

CLASSIFIED ADS

Mailing Addresses -- Property Supervisor, Andy Wessling, again requests that individuals of the Institution not use Woods Hole Oceanographic Institution as a mailing address for personal correspondence. The use of a home address or Post Office Box will not only speed delivery of mail, but will also ease the burden on the Mail Room.

NEWS OF THE SHIPS

ATLANTIS II

Scheduled to return to Woods Hole on Monday from studies of the Gulf Stream eddies under Fritz Fuglister as Chief Scientist. Captain Hiller earlier reported northwesterly gale winds and high seas. Will depart Jan 26 for three days at sea with Nick Fofonoff as Chief Scientist. A three month cruise to the Mid-Atlantic Ridge will start Feb 2 with Vaughan Bowen on board as Chief Scientist.

CHAIN

Yard overhaul has been extended ten days. Ship will return to Woods Hole Feb 5. Next cruise scheduled for Feb 16.

CRAWFORD

Will leave Tuesday for four days at sea in the Gulf of Maine with Bob Conover as Chief Scientist. Will leave again Feb 3 with Fritz Fuglister on board as Chief Scientist.

GOSNOLD

Has been conducting one day trips to the Sound with Bud Knott as Chief Scientist testing and evaluating sparkers and other profiling gear.

ALVIN

Due to leave Woods Hole for southern waters Jan 31. Story on Page 1.

ARRIVALS AND DEPARTURES

The Institution welcomes:

Dr. James Craddock has recently been appointed Assistant Scientist. He is in the Biology Department working with Dr. Backus. During the past year, Dr. Craddock has been a post-doctoral fellow at the Institution. He graduated from the University of Louisville, Kentucky, with a B. A. in biology and a Ph. D. in zoology.

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NOTED BRITISH OCEANOGRAPHER
DIES AT CAMBRIDGE

Members of the Institution staff will be saddened to learn of the death on January 11 of Dr. Maurice Neville Hill, FRS, at Cambridge, England.

Dr. Hill is best remembered here for his efforts and assistance as a member of the Geophysics Department's Visiting Committee. He has also collaborated extensively with many members of the Institution's staff.

Dr. Hill was Reader in Oceanography at Cambridge University and a Fellow at King's College. A geophysicist, he conducted research in mine sweeping and anti submarine techniques during World War II. Later he was largely responsible for the planning of the 1949 to 1952 CHALLENGER Expedition from which resulted a great deal of pioneer work in the Atlantic, Pacific and Indian Oceans. Much of the success of Britain's geophysical contributions to the International Indian Ocean Expedition is attributed to him.

NEW BOOKS REC'D IN MBL LIBRARY

UNITED STATES NAVAL OCEANOGRAPHIC OFFICE: Oceanographic Atlas of the North Atlantic Ocean. Section V: Marine Geology, 1965

MIYAKE, YASUO: Elements of geochemistry.

SCHWARZ, J. C. P., Editor: Physical methods in organic chemistry.

GANSSER, AUGUSTO: Geology of the Himalayas.

UBBELOHDE, A. R.: Melting and crystal structure.

HAYES, WILLIAM: The genetics of bacteria and their viruses.

DE SANTILLANA, GIORGIO: The origins of scientific thought from Anaximander to Proclus 600 B. C. - 500 A. D.

WINKLER, H. G. F.: Petrogenesis of metamorphic rocks.

4 COLORADO STATE OFFERS
GRADUATE ASSISTANTSHIPS

Colorado State University, Fort Collins, Colorado, has announced a program of graduate instruction and research in the atmospheric sciences. The program will lead to either a master's or a doctoral degree.

Research assistantships, varying from \$3250 to \$4500 per year, are available to qualified degree candidates. This includes full time summer work. Areas of major interest include, among other subjects, satellite meteorology, jet stream meteorology and turbulence, and meteorology and water resources.

Further information may be obtained from Dr. Herbert Riehl, Department of Atmospheric Science, Colorado State University, Fort Collins, Colorado.

MEETINGS (Cont'd from Page 1)

The second meeting, also held in the LMS Auditorium, brought together members of the Long Range Telemetering Buoy Guidance Committee. The Committee is divided into a Technical Panel and a Scientific Panel.

On Wednesday, both Panels met in joint session to receive a status report on the buoy system and to review experiments which have been proposed for use with the system. Yesterday the Panels met separately to discuss their own particular areas of interest. The Technical Panel received detailed progress reports on buoy hulls, mooring lines and attachment techniques, sensors, safety equipment and other areas. The Scientific Panel undertook considerations of proposed studies and made preliminary documentation of necessary schedules, facilities and research.

Today the two Panels are again meeting in joint session for a summary and coordination of plans and schedules.

The Long Range Telemetering Buoy Project has been under development by the Office of Naval Research for several years.

ALVIN (Cont'd from Page 1)

picked by the mechanical arm. Another outside light has been added to her hull, and several instruments within the sphere have been relocated.

While the winter-time work on ALVIN was restricted to an inspection and re-fit, the work performed on the catamaran has made sweeping additions and changes. This started with sandblasting and painting in the late Fall out in Great Harbor. The top deck has been strengthened and a second Murray & Tregurtha Harbormaster propulsion unit has been added. The new outboard motor should increase the cat's speed to about six knots and should also increase her already good maneuverability. The two motors are now installed on the after end of each pontoon so that the catamaran is now a pusher rather than a puller.

A new conning station gives the mother ship the look of a true ocean-going vessel. The new bridge with its slanted forward windows, built-in engine controls, gyro compass, radar and loran will all do much to assure far greater independence and ease of operation.

In the way of rehabilitation, a modified version of a mobile home will offer ALVIN's crewmembers galley and dining, as well as office spaces, and head and shower facilities. This, plus the installation of a new 60 kw generator has resulted in the elimination of two vans which last year cluttered up the catamaran's deck.

All in all, ALVIN's deep diving this year should be far less arduous than last year's six months of sweat and tears.

Book Available -- Copies of "Oceanography From Space", edited by Dr. Gifford Ewing, may be obtained from Peggy Reese, Ext. 260, Graphic Arts Department. Copies are limited to members of the Institution.

ALVIN's Catamaran Comes Into Its Own As A Sea Going Vessel



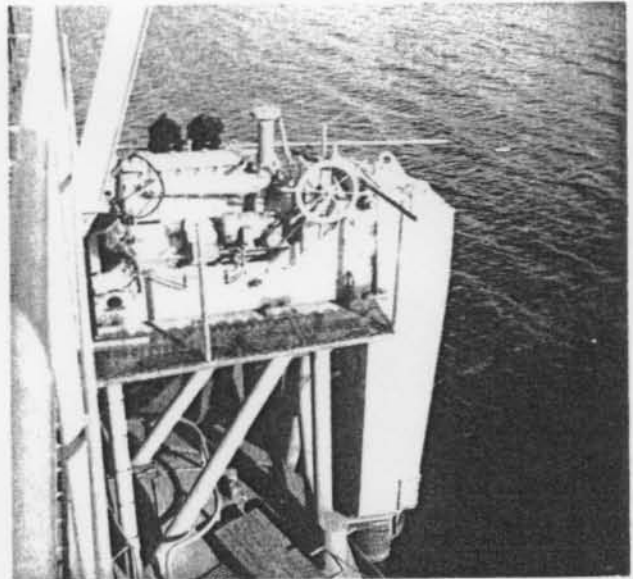
The New Conning Station



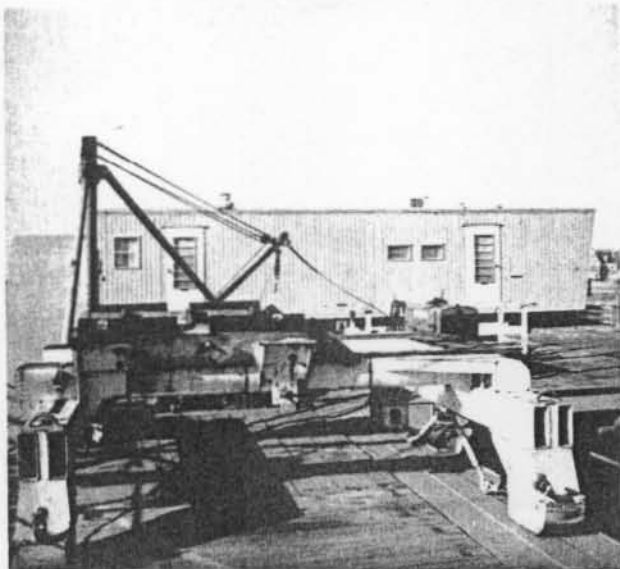
Remote Engine Controls



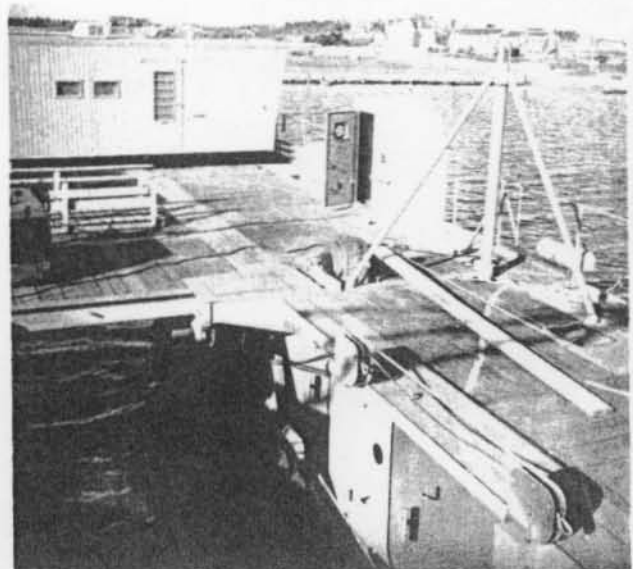
Latest Model PGR



The Cat Is Now Twin Screw



Luxury Afloat



Hatch Leading Into Pontoon

2 THE NEWSLETTER

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INSTITUTION MEETINGS ANNOUNCED

Journal Club

24 Jan "Air and Space Reconnaissance of the Ocean: Opportunities and Limitations"
Dr. Gifford C. Ewing,
WHOI

31 Jan "The Surface Chemistry of the Ocean"
Dr. William Garrett,
Naval Research Laboratory

Peanut Butter Club

21 Jan A 25 minute Navy film entitled "Oceanographer of the Navy Reports". The film shows studies and investigations now being undertaken by the Navy Oceanographic Office.

28 Jan To be announced

Film Society

11 Feb "Dead Birds"
A photographic and ethnographic study, sponsored by the Peabody museum, of a people dwelling high in the mountains of Western New Guinea.

NEED A GOOD NEIGHBOR? BE A GOOD NEIGHBOR.

Facilities Manager, Jim Mitchell, tells us he has received at least one telephone call from a merchant in the Village of Woods Hole who wished to discuss what we can refer to as good-neighborliness.

This was no urgent complaint which Jim received. It was more in the form of a suggestion, a thought that maybe Institution personnel could find someplace to park other than immediately in front of stores, restaurants and similar commercial establishments in Woods Hole.

Obviously, the reasoning behind this suggestion was the simple fact that customers of those stores, restaurants and so forth are not able to find short-time parking space if the streets are filled with day-long parkers.

We are well aware of the fact that construction work in Eel Pond has closed the LMS Parking Lot and will keep it closed for some weeks to come. We are also aware that the School Street Parking Lot is a long way off when the wind blows cold and wet out of the southwest.

We do feel, however, that some thought should be given to the good neighbor's idea of avoiding all-day parking in a commercial parking area.

ALIENS MUST REGISTER

In accordance with Federal law, all citizens of foreign countries who are residing in this country must register.

Deadline for registration is January 31. Postal card registration forms may be obtained from the local Post Office.