

Scripps scientists will also study the equatorial circulation influenced by the changing monsoon conditions.

The seasonal changes in sea level in the Arabian Sea and Bay of Bengal will be simultaneously monitored by 28 tide stations.

The Nimbus weather satellite, which will be orbiting over the ocean during the expedition, will photograph cloud cover and cyclone development. Below, an unmanned weather buoy will be silently collecting weather data.

The benefits reaped from the expedition will both add to the fund of scientific knowledge and also have a direct bearing on the people bordering the ocean. In many of these countries people are suffering from malnutrition caused by protein deficiencies and aggravated by an expanding population.

These countries will be able to expand

their fisheries if new fishing areas are discovered.

Better understanding of the ocean's "heat engine" that drives the circulation of air above the surface may lead to better long-range forecasting of the monsoons. One step was taken in the right direction when the United States decided to give the expedition's weather buoy to the Indian Government after the expedition is over.

The weather buoy will act as a sentinel for storm development over the ocean.

And finally the scientists of the bordering countries will receive unparalleled training in the oceanographic sciences by working side by side with the world's top oceanographers during the expedition. The Asian and African scientists will go on the cruises performing various oceanographic tasks.

• Science News Letter, 80:274 October 21, 1961

GENERAL SCIENCE

News From Science Clubs

► HIGHLIGHTS from a few of the reports recently received by Science Clubs of America from its affiliated clubs:

THE PACELLI "Science for Peace" Club at Regina Coeli High School, Chiengmai, Thailand, has filled 16 showcases with its butterfly collection. Thailand has a great variety of butterflies and moths. The club has sent 60 specimens of one of the largest and most beautiful, the Atlas Atticus, to schools in Austria, France and America.

THE F.V.L. Science Club of Fox Valley Lutheran High School, Appleton, Wis., reports in its publication, "Distillations," that club-sponsored projects have included an annual science fair, a school museum, a Science Talent Search and guidance program, a science reference library, a science teachers' workshop, and the installation of an eight-inch reflector telescope at the school's Fuhrmann-Elias observatory. Fox Valley Lutheran was one of eight high schools in the nation to receive a National Science Foundation grant for a research project.

THE JUNIOR ASTRONOMY CLUB, headquartered at New York University and comprised principally of junior high schoolers, publishes a paper for the Northeast Region of the Astronomical League. The club has participated in programs involving the International Geophysical Year, Operation Moonwatch, the American Association of Variable Star Observers and the American Meteor Society.

THE SCIENTISTS of Tomorrow at George Peabody College, Nashville, Tenn., is an interschool club made up of members from Nashville's 15 high schools. Students from one or more of the schools present programs at the club's monthly meetings.

THE HOUSTON County High School Science Club at Erin, Tenn., is taking part in the community Civil Defense program.

THE PETIMUS Club at Central High School, Detroit, Mich., just organized this year, conducts scientific demonstrations and meets with other clubs.

IN ITS publication, the Experimenter, the Onaway, Mich., High School Science Club urges its members "to take all the mathematics and science possible," and recommends special programs to encourage scientific interests among sixth, seventh and eighth graders.

NEW CO-PROJECTS that clubs, classes and groups can undertake in cooperation with leading scientific organizations are outlined in the new 1961-62 Sponsor Handbook Supplement, now being mailed to club sponsors. Clubs not yet affiliated can do so, at no cost, simply by writing to Science Clubs of America, 1719 N Street, N.W., Washington 6, D.C.

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GENERAL SCIENCE

Survival Food Samples Available in New Kit

► SAMPLES of foods that might be useful in the event of a nuclear attack or other national disasters are spotlighted in a new, low-priced science kit now available.

The Survival Food unit of THINGS of science, just issued by SCIENCE SERVICE, is particularly timely because of widespread renewed interest in civil defense and emergency planning.

Included in the kit are three unusual foods—a multi-purpose food made from soybeans, a survival ration cracker and bulgur wheat. A vitamin C tablet as a food supplement and an iodine tablet to purify water complete the set.

Directions for performing 18 educational experiments, including testing and preparation of the food samples, are enclosed.

The kit (No. 250) can be ordered from THINGS of science, SCIENCE SERVICE, 1719 N Street, N.W., Washington 6, D. C. The price is 75 cents each, or three units for \$2.00. Membership in THINGS of science brings 12 different units, one each month, for only \$5.00.

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