Three Scripps staff members participate in Institute of Electrical and Electronics Engineers

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Three staff members of the University of California, San Diego's Scripps Institution of Oceanography will participate Thursday, February 3, in the 1966 winter convention of the Institute of Electrical and Electronics Engineers in Los Angeles.

Dr. Fred N. Spiess, associate director of Scripps, professor of oceanography, and director of Scripps' Marine Physical Laboratory, will deliver a paper on stable vertical ocean platforms. He will center his remarks on FLIP, Scripps' Floating Instrument Platform, 355 feet in length, and capable of standing erect in deep water.

FLIP is being towed this week by the Scripps research vessel Horizon en route to Hawaiian waters for a seven-months' research program on underwater acoustics and related oceanography, primarily internal wave studies. FLIP was developed by MPL under the direction of Dr. Spiess; Dr. Frederick H. Fisher, marine physicist; and Dr. Philip Rudnick, physicist and mathematician. Its construction was financed by the Office of Naval Research which had a specific need for a stable platform from which to conduct research in physical oceanography, primarily underwater acoustics.

A joint paper, "The Second Generation of Oceanographic Research Ships," by Jeffery D. Frautschy, Scripps assistant director, and Maxwell Silverman, Scripps adviser on new ship construction, will be delivered by Frautschy.

This paper points up that recent sea experience and the demands of an "explosively expanding sciences" have necessitated a re-evaluation of basic research vessel design considerations. The paper will emphasize that this has resulted in requirements for increasing flexibility in all shipboard spaces and functions required to support scientific missions, including new and severe demands in manuverability. These requirements will hopefully be met in several new oceanographic ship types whose designs and development are being currently concluded, the paper says.

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