

# Symposium on Underwater Photography

July 27-28, Coronado, Calif.

The Program for SMPTE's two-day Symposium on Underwater Photographic Applications will contain a broad range of papers — 21 of them as of this writing — spanning the areas of Imaging Systems, Equipment, and Applications, according to Program Chairman **Roderick T. Ryan**, Eastman Kodak Co., Hollywood. There is, Ryan said, a likelihood that additional papers will be added to the program.

Registration rates for the Symposium are \$30.00 for SMPTE Members and \$40.00 for nonmembers. There will be a luncheon on both days, each with an important guest speaker. Each luncheon will cost \$6.00. Package registra-

tions are available which include registrations and both luncheons: for members, \$40.00; and nonmembers, \$50.00.

The Symposium is being held at the Hotel Del Coronado in Coronado, Calif. Hotel rates are: single, \$18.00; double, \$24.00; lanais, \$35.00; parlor suites, \$55.00. Members have been sent room reservation request forms which should be used for making reservations. If the form is not used, please mention the SMPTE Symposium.

For further information, registration forms and hotel reservation forms, please write to SMPTE Underwater Symposium, 862 Scarsdale Ave., Scarsdale, NY 10583.

## Advance Program

This program contains the most accurate and complete information possible at press time. The sessions are firm. However, the contents of sessions may be rearranged and papers may be omitted and new ones added. Questions about specific papers or sessions should be addressed to Society Headquarters, Att: Underwater Symposium, Janet Hruska, Conference Program Secretary, (914) 472-6606, or Program Chairman Roderick T. Ryan, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood, CA 90038 (213) 464-6131. The Final Program, containing titles and synopses of papers, will be available 10 days before the Symposium from Society Headquarters.

### THURSDAY EVENING — JULY 26 REGISTRATION, 6:00–8:00 p.m.

### FRIDAY MORNING — JULY 27

#### REGISTRATION, 8:00 a.m. Session I — IMAGING SYSTEMS, 9:00 a.m.

Opening Film: Underwater Colorama

The Williamsons: Pioneers in Underwater Photography  
Dr. Roderick T. Ryan, *Eastman Kodak Co., Hollywood, Cal.*

Advances in Underwater Photography Circa 1973  
Robert L. Adams, *Hydro Products Div. Dillingham Corp.*

A Mathematical Analysis for Design of the Shape of Underwater Housings  
Joe J. Lones, *Adroit Engineering, San Diego, Cal.*

A New Self-Contained Underwater Motion Picture Camera  
Fred A. Rodgers, *Teledyne Camera Systems, Arcadia, Cal.*

Macro Photography in the Undersea Environment  
Jack Drayfahl, *Brooks Institute, Santa Barbara, Cal.*

### Friday Luncheon — Noon

### FRIDAY AFTERNOON Session II — EQUIPMENT, 2:30 p.m.

Opening Film: Tuffy the Sea Teacher

Aquacolor  
W. Tuckerman Biays, *Odyssey Underwater Films, Key Largo, Fla.*

The Use and Effect of Filters Underwater  
Ron Church, *Seacor, Inc., San Diego, Cal.*

An Experimental Black-and-White Film Designed for Underwater Photography  
B. K. Boller, *Eastman Kodak Co., Rochester, N.Y.*

Practical Applications of Corrected Optics (Domes), Optical Viewfinders and Underwater Lighting in Underwater Photography  
Flip Schulke, *Flip Schulke Underwater Films, Miami, Fla.*

The Use of Underwater Photography for Ecological Research in California's Kelp Beds

Dr. Wheeler J. North, *California Institute of Technology, Pasadena, Cal.*

### SATURDAY MORNING — JULY 28 Session III — APPLICATIONS, 9:00 a.m.

Opening Film: A film by Jacques Cousteau

The Use of Underwater Photography for Scientific Purposes  
Ron Church, *Seacor, Inc., San Diego, Cal.*

Light in the Sea  
S. R. Baig, *Nova University Oceanographic Lab, Fort Lauderdale, Fla.*

Red Sea Underwater Life  
David Pilosof, *Consultant, Israel*

Techniques for Long Range Underwater Vision  
Willard H. Wells, *Tetra Tech, Inc., Pasadena, Cal.*

Photography and Television: How to Compare Them  
Dr. Henri Hodara, *Tetra Tech, Inc., Pasadena, Cal.*

Cinematography of Life on the Abyssal Floor  
Richard Shutts, *Scripps Institution of Oceanography, La Jolla, Cal.*

### Saturday Luncheon — Noon

### SATURDAY AFTERNOON Session IV — APPLICATIONS, 2:30 p.m.

Opening Film: To be announced

Design of Lens Systems for Underwater Use  
Gregg Morris, *Seacor, Inc., San Diego, Cal.*

Underwater Imaging System Techniques  
William F. Parrish, *Westinghouse Oceanic Div., Annapolis, Md.*

The Characteristics of a Color Film for Water-Penetration Photography  
N. L. Fritz, M. R. Specht, D. G. Needler, *Eastman Kodak Co., Rochester, N.Y.*

Title to be announced  
Dave Shepherd, *Sub-Sea*