



## Dr. Merton E. Hill III

Professor of Geology and Oceanography

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### Education

PhD, University of California, Los Angeles

PhC, University of California, Los Angeles

B.S. University of Redlands

A.A. Fullerton College

### Background

Dr. Merton Hill joined Saddleback College in 1990.

At Saddleback College he has taught Geology of California, Physical Geology, Earth Science, Marine Science, and Biology.

Prior to joining Saddleback College, Dr. Hill taught at California State University Northridge, University of Southern California, Santa Monica College, and Santa Ana College. He was a Senior Research Geologist for UNOCAL Corporation for more than 10 years.

He is presently a geology docent for The Irvine Ranch Conservancy, Laguna Coast Wilderness Park and Crystal Cove State Park.

He also enjoys playing classical guitar.

### Honors and Awards

Team USA, 1998-2004 (Competed internationally for the United States) 3-time winner of the US Open

Favorite faculty award, Cal State Northridge (Honored by Geoscience and Oceanography students and Cal State Northridge)

### Research Interests

Calcareous Nannofossils (Biostratigraphy and evolution of minute marine plankton)

Natural History of Southern California (Communities of the coastal sage scrub)

### Speaker and Session Chairman

International Nannoplankton Association, Vienna, Austria

Technical Program Coordinator

SEPM/AAPG/SEG Pacific Section Annual Meeting, Anaheim, California

### Invited Speaker

Southern California Microscopy Society

Roundtable discussions on the role of calcareous nannofossils in reconstructing marine paleoenvironments, Utrecht, The Netherlands

Crystal Cove State Park public lectures; "The Geology of Crystal Cove"

Docent training for the Irvine Ranch Conservancy, Laguna Canyon Foundation and Crystal Cove State Park; Geology of Crystal Cove, Starr Ranch, and Laguna Canyon

Fullerton Kiwanis Club and Laguna Woods Science and Technology Club: "Earthquake Measurement, Mechanics and Myths"

University of California Irvine, Osher Life Long Learning Institute: "Earthquakes and Landslides in the Laguna Beach Area"

University of California Irvine, Osher Life Long Learning Institute: "Earthquake Measurement, Mechanics and Myths"

### **Selected papers edited/reviewed**

G. D. Jones, 1988, A paleoecological model of Late Paleocene "Flysch-Type" agglutinated Foraminifera using the paleoslope transect approach, Viking Graben, North Sea. *Abhandlungen der Geologischen Bundesanstalt*, Band 41 pp.143-153.

Wind, Frank H. and Sherwood W. Wise, Jr, 1983. Correlation of Upper Campanian–Lower Maestrichtian Calcareous Nannofossil Assemblages in Drill and Piston Cores from the Falkland Plateau, Southwest Atlantic Ocean. Initial Reports of the Deep Sea Drilling Project, Volume 71, Washington (U.S. Government Printing Office), pp.551-563.

Cotton, M. L. and S. Vonder Harr, 1980. Microfossils from Cerro Prieto geothermal wells, Baja California, Mexico. Technical Report. Conference: 2. Symposium on the Cerro Prieto Geothermal Field, Baja California, Mexico, 17 Oct 1979

Wise, S. W., Jr. and Wind, F. H., 1976. Mesozoic and Cenozoic Calcareous Nannofossils Recovered by DSDP Leg 36 Drilling on the Falkland Plateau, Southwest Atlantic Sector of the Southern Ocean. In Barker, P. F., Dalziel, I.W.D. et al., 1976. Initial Reports of the Deep Sea Drilling Project, Volume 36, Washington (U.S. Government Printing Office), pp. 269-492.

### **Selected Publications**

**Hill, M. E. III**, & T. Bralower, 1987. Early evolution, stratigraphy and taxonomy of *Eiffellithus eximius* and closely-related species. *Abhandlungen der Geologischen Bundesanstalt*, Band 39, pp. 89-97.

**Hill, M. E. III**, 1984. Biographer for Helen Tappan Loeblich, recipient of the Raymond C. Moore Medal for Excellence in Paleontology. *Journal of Paleontology*, Vol. 58, No. 6, pp. 1554-1555.

Filewicz, M. V., & **M. E. Hill, III**, 1983. Calcareous nannofossil biostratigraphy of the Santa Susana and Llajas Formations, North side Simi Valley. In R. Squires & M. V. Filewicz (eds.); Cenozoic Geology of the Simi Valley Area, Southern California, Pacific Section SEPM, Fall Field Trip Volume and Guidebook, pp. 45-60, 2 pls., 7 text-figs.

**Hill, M. E. III**, 1976 Lower Cretaceous calcareous nannofossils from Texas and Oklahoma. *Palaeontographica*, Band 156, Abt. B, pp. 103-179, 15 pls., 5 text-figs., 5 maps.

**Hill, M. E. III**, 1975. Selective dissolution of Mid-Cretaceous (Cenomanian) calcareous nannofossils. *Micropaleontology*, Vol. 21, No. 2, pp. 227-235, 2 pls.

