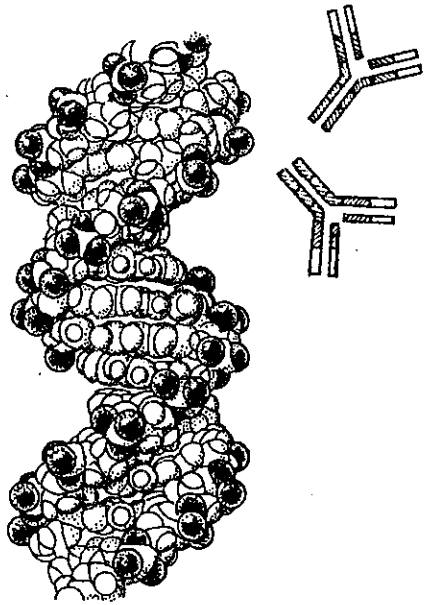

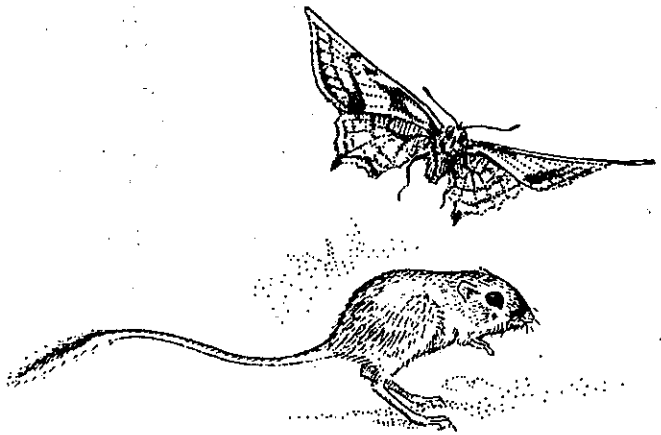

SOUTHERN CALIFORNIA ACADEMY OF SCIENCES

Beginning the Second Hundred Years

ANNUAL MEETING

May 1-2, 1992

OCCIDENTAL COLLEGE
Los Angeles

Program Chair..... Jon E. Keeley

Exhibitors Chairs.....Melanie Baer Keeley
Cheryl Swift

Local Committee .....Tetsuo Otsuki
Don Prothero

Awards Chair.....Roy Salls

High School Section.....Gloria Takahashi
Diana Rivas
Hans Bozler

Registration.....Margaret Barber

FRIDAY, MAY 1 — Location

SESSION: MARINE AND FRESHWATER BIOLOGY — Fowler 202

CHAIR: JOHN STEPHENS, JR.
Occidental College

Time	No	
* 1:30 - 1:50	32	Impact of Disturbance by Humans on a Rocky Intertidal Community. LOANA ADDESI, SDSU, San Diego.
* 1:50 - 2:10	33	Distribution of Fish in the Santa Ana River, and Comments on Conservation (or, Perils of an Urban River). R.N. FISHER, Department of Biology, UC, Davis.
* 2:10 - 2:30	34	Growth and Survival in Two Species of Intertidal Ophiuroids. DOTT MEDEIROS-BERGEN, SDSU, San Diego.
* 2:30 - 2:50	35	Early Life History of White Seabass Atractoscion nobilis. M.R. ORHUN, Hubbs-Sea World Research Institute, San Diego.
2:50 - 3:10	36	Seasonal and Diel Movements of the Pacific Electric Ray (Torpedo californica). J.M. EZCURRA, R.N. BRAY, C.G. LOWE, and D.R. NELSON, Department of Biology, CSU, Long Beach.
3:10 - 3:40		BREAK
3:40 - 4:00	37	Effects of Prolonged Exercise on the Leopard Shark (Triakis semifasciata). STEPHEN J. GRUBER, Department of Biological Sciences, CSU, Fullerton.
4:00 - 4:20	38	Variation in Growth Rate of Salt Marsh Bivalves: Importance of Physical Disturbance. H.M. PAGE, J.E. DUGAN, and D.M. HUBBARD, Marine Science Institute, UC, Santa Barbara.
4:20 - 4:40	39	Synonyms or Separate Species: Amphiodia urtica and Amphiodia digitata (Echinodermata: Ophiuroidea)? LULU WANG, Natural History Museum of Los Angeles County.
* 4:40 - 5:00	40	Modelling Clearance, Ingestion and Growth Rate of Ciliate in Coastal Ecosystem. J.N. KREMER and Z. WANG, Department of Biological Sciences, USC, Los Angeles.

FRIDAY, MAY 1 — Location

POSTER SESSION 5:00 - 7:00 p.m. — Sycamore Glen

CHAIR: DON PROTHERO
Occidental College

No	
41	Land Development Around Southern California Black Walnut Trees (Juglans californica). D.R. FAIRES, U.S. Forest Service, PSW Research Station, Riverside.
42	Impacts of the LA 2020 Plan along the Alameda Corridor. CHRISOULA KANTIOTOU, School of Urban and Regional Planning, USC, Los Angeles.
43	A Spatial-Sectoral Economic Impact Model of Seaport Development and Resolution of Intra-Community Conflicts. ERIC J. HEIKKILA, School of Urban and Regional Planning, USC, Los Angeles, KATHLEEN A. WEST, Department of Environmental Science, and RHONDA L. FORTUNA, Department of Economics, CSU, Fullerton.
44	The Determination of the Major Light Attenuation Factor in the Vicinity of an Ocean Plume: Plume Patricles or Phytoplankton? YUHONG TANG, Ocean Physics Group, Department of Geology, USC, Los Angeles.
45	Turbulent Mixing in the Early and Later Phases of a Bouyancy Ocean Outfall Plume. YICUN WU, Ocean Physics Group,Department of Geology, USC, Los Angeles.
46	The Bottom Boundary Layer in the Vicinity of the Outfall System. D.J. BOGUCKI and J. WIGGERT, USC, Los Angeles.
47	^{226}Ra Activity in Near Shore Sediments and Benthic Fluxes at White's Point Outfall. HONGCHUN LI and WILLIAM M. BERELSON, Department of Geological Sciences, USC, Los Angeles.
48	Survival of Coliphage MS2 (and Related Virus) in Seawater. R.T. NOBLE, Marine Biology Department, USC, Los Angeles.

WINE AND CHEESE SOCIAL: 5:00 - 7:00 p.m. — Sycamore Glen