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THE AMERICAN NATURALIST

*Devoted to the Conceptual Unification
of the Biological Sciences*

Vol. 127, No. 1

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AMERICAN SOCIETY OF NATURALISTS

ANNUAL MEETING

Asilomar Conference Center, Pacific Grove, California

May 26–30, 1986

Members of the Society and nonmembers are invited

The meeting will be in the style of a Gordon Conference, with a focus on the Society's objective of the unification of the biological sciences. There will also be contributed-papers sessions, poster sessions, and tour.

SYMPOSIA

Plant Molecular Evolution

Vice-Presidential Symposium, organized by Michael T. Clegg

MICHAEL T. CLEGG and KERMIT RITLAND, Statistical aspects of plant molecular evolution
C. A. CULLIS, The generation of genetic variation in response to stress
STEVEN D. TANKSLEY, Nuclear genome organization in tomato and related diploid species
RONALD SEDERHOFF, Molecular mechanisms of mitochondrial DNA evolution in plants
JEFFREY D. PALMER, Evolution of chloroplast DNA and biosystematic uses of chloroplast DNA variation

Young Investigators' Symposium

See the Announcement following page 123 in this issue

Toward a Conceptual Unification: Some Nontraditional Topics

Special Symposium I, organized by Bruce R. Levin

BRUCE R. LEVIN, Introduction

GARY O'DELL, How the slime mold *Grex* crawls: chemotaxis in 3-D

ROY M. ANDERSON, Population dynamics of the immune system

Communication in Ecology

Special Symposium II, organized by Marcus W. Feldman

JARED M. DIAMOND, Cultural transmission in bowerbirds

LUIS BAPTISTA, The functional significance of song sharing in bird ecology

DONALD OWINGS, The origins of signals: a management perspective

JAMES GOULD, Evolution of honeybee communication

PRESIDENTIAL ADDRESS

JANIS ANTONOVICS, The evolutionary dys-synthesis: which bottle for which wine?

For additional information and registration, contact Dr. Philip W. Hedrick, Secretary, American Society of Naturalists, Division of Biological Sciences, University of Kansas, Lawrence, Kansas 66045.