
EDITORIAL  An R & D Delivery System: J. G. Horsfall ........................................... 637

ARTICLES  Maya Lowland Hydraulic Systems: R. T. Matheny ........................................ 638

Baccalaureate Origins of American Scientists and Scholars: M. E. Tidball and V. Kistiakowsky .................................................. 646

The Science Court Experiment: An Interim Report: Task Force of the Presidential Advisory Group on Anticipated Advances in Science and Technology .................. 653

NEWS AND COMMENT  Chinese Earthquakes: The Maoist Approach to Seismology ........................................ 656

Entomological Society of America: A Vote Which Raises Advocacy Issue ................ 658

CIA Research: Duckett Out, Dirks In ................................................................. 659

NAS Committee on Asbestos: Discovery of a Special Relationship ................ 661

RESEARCH NEWS  Coal Research (I): Is the Program Moving Ahead? ................................ 665

BOOK REVIEWS  The Advisors, reviewed by F. J. Dyson; Plants, Man and the Land in the Vilcanota Valley of Peru, R. M. Bird; Photosynthesis and Productivity in Different Environments, D. N. Moss; Excited States in Organic Chemistry, H. E. Zimmerman; Books Received; Book Order Service .................................. 668

BOARD OF DIRECTORS

MARGARET MEAD  Retiring President, Chairman

WILLIAM D. MC ELROY  President

EMILIO O. DADDARIO  President-Elect

RICHARD H. BOLT  KENNETH B. CLARK

JOEL COHEN  RUTH M. DAVIS

CHAIRMEN AND SECRETARIES OF AAAS SECTIONS

MATHEMATICS (A)  Stanislaw M. Ulam

Truman A. Botts

PHYSICS (B)  Freeman J. Dyson

Rolf M. Sinclair

SOCIAL AND ECONOMIC SCIENCES (K)  William H. Sewell

Daniel Rich

HISTORY AND PHILOSOPHY OF SCIENCE (L)  Kenneth F. Schaffner

George Basalla

PHARMACEUTICAL SCIENCES (S)  Raymond Jang

PHARMACEUTICAL SCIENCES (S)

INFORMATION, COMPUTING, AND COMMUNICATION (T)  Burton W. Adkinson

Joseph Becker

EDUCATION (Q)  Mary Buidt Rowe

James T. Robinson

DENTISTRY (R)  James K. Avery

Sholom Pearlman

ENGINEERING (M)  Walter R. Hibbard, Jr.

Paul H. Robbins

DIVISIONS

ALASKA DIVISION  The Advisors, reviewed by F. J. Dyson; Plants, Man and the Land in the Vilcanota Valley of Peru, R. M. Bird; Photosynthesis and Productivity in Different Environments, D. N. Moss; Excited States in Organic Chemistry, H. E. Zimmerman; Books Received; Book Order Service .................................. 668

PACIFIC DIVISION  The Advisors, reviewed by F. J. Dyson; Plants, Man and the Land in the Vilcanota Valley of Peru, R. M. Bird; Photosynthesis and Productivity in Different Environments, D. N. Moss; Excited States in Organic Chemistry, H. E. Zimmerman; Books Received; Book Order Service .................................. 668

SOUTHWESTERN AND ROCKY MOUNTAIN...
Human Malaria Parasites in Continuous Culture: W. Trager and J. B. Jensen 673

Neurons Selective for Orientation and Binocular Disparity in the Visual Wulst of the Barn Owl (Tyto alba): J. D. Pettigrew and M. Konishi 675

Multiplication of a Human Parasite (Leishmania donovani) in Phagolysosomes of Hamster Macrophages in vitro: K.-P. Chang and D. M. Dwyer 678


Multiplication of a Human Parasite (Leishmania donovani) in Phagolysosomes of Hamster Macrophages in vitro: K.-P. Chang and D. M. Dwyer 681

Dopamine-Sensitive Adenylate Cyclase Occurs in a Region of Substantia Nigra Containing Dopaminergic Dendrites: J. W. Kebabian and J. M. Saavedra 683

Binding of C-Reactive Protein to Antigen-Induced but Not Mitogen-Induced T Lymphoblasts: S. M. Croft, R. F. Mortensen, H. Gewurz 685

Rhizoid Differentiation in Fern Spores: Experimental Manipulation: J. H. Miller and R. H. Greany 687

[3H]Morphine Localization in Myenteric Plexus: I. M. Diab et al. 689

Induction of Tyrosine 3-Monoxygenase in Adrenal Medulla: Role of Protein Kinase Activation and Translocation: A. Kurosawa, A. Guidotti, E. Costa 691

Recognition and Sexual Selection in Drosophila: Classification, Quantification, and Identification: J. E. Leonard and L. Ehrman 693


Electric Signals and Schooling Behavior in a Weakly Electric Fish, Marcusenius cyprinoides L. (Mormyridae): P. Moller 697


Technical Comments: Skeletal Calcite in Living Scleractinian Corals: Microboring Fillings, Not Primary Skeletal Deposits: I. G. Macintyre and K. M. Towe; J. E. Houck, R. W. Buddemeier, K. E. Chave 701

COVER

Barn Owl (Tyto alba). The frontal eyes and prey-catching skills of the owl suggest that the bird achieves stereopsis, the highly precise binocular depth sense. See page 675. [Drawing by Dean Rocky Barrick, © Seattle, Washington]