
EDITORIAL  Preschool Education  1197

  The Phylogeny and Ontogeny of Behavior: B. F. Skinner  1205
  Luminous Phenomena in Nocturnal Tornadoes: B. Vonnequt and J. R. Weyer  1213

NEWS AND COMMENT  Space: Caution on Post-Apollo; Systems Approach: Political Interest Rises  1221
  Report from Europe: Pasteur Institute Rebels Lose a Round: V. K. McElheny  1226

BOOK REVIEWS  The Contract State: B. C. Denny  1229

REPORTS  Isotopic Composition of Strontium in Volcanic Rocks from Oahu: J. L. Powell and S. E. DeLong  1239
  Some Doubts about the Earth's Dust Cloud: C. Nilsson  1242
  Antipodal Location of Continents and Oceans: C. G. A. Harrison  1246
  Ciliastic Components in the Gas Phase of Cigarette Smoke: T. R. Walker and J. E. Kiefer  1248
  North Atlantic Deep-Sea Fertility: R. O. Fournier  1250
  Susceptibility of Human Diploid Fibroblast Strains to Transformation by SV40 Virus: G. J. Todaro, H. Green, M. R. Swift  1252
  Severe Impairment of Heat-Induced Saliva-Spreading in Rats Recovered from Lateral Hypothalamic Lesions: F. R. Hainsworth and A. N. Epstein  1255

BOARD OF DIRECTORS  HENRY EYRING  Retiring President, Chairman
  ALFRED S. ROMER  President
  DON K. PRICE  President Elect
  H. BENTLEY GLASS  David R. Goddard
  HUDDON HOAGLAIN MINA S. REES

VICE PRESIDENTS AND SECTION SECRETARIES  MATHEMATICS (A)
  Albert W. Tucker
  Wallace Givens

  PHYSICS (B)
  Allan V. Ashie
  Stanley S. Ballard

  ANTHROPOLOGY (H)
  Cora Du Bois
  Anthony Leeds

  PSYCHOLOGY (I)
  Robert M. Gagné
  Frank W. Finger

  SOCIAL AND ECONOMIC SCIENCES (K)
  Kenneth E. Boulding
  Eugene B. Skolimowski

  AGRICULTURE (O)
  Nile C. Brady
  Neil D. Bayley

  INDUSTRIAL SCIENCE (P)
  Ellis A. Johnson
  Burton V. Dean

  PHARMACUTICAL SCIENCES (Np)
  Andre Archambault
  Joseph P. Buckley

  HISTORY AND PHILOSOPHY OF SCIENCE
  Melvin Kranzberg
  Norwood Russell Hanson

  EDUCATION (Q)
  Clarence H. Beer
  Frederic B. Duit

DIVISIONS  ALASKA DIVISION
  A. B. Coyer  President
  Eleanor Viereck  Executive Secretary

  PACIFIC DIVISION
  Daniel G. Aldrich, Jr.  President
  Robert C. Miller  Secretary

  SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
  Earl D. Camp  President
  Marlene G. Anderson  Executive Secretary

SCIENCE is published weekly on Friday and on the fourth Tuesday in November by the American Association for the Advancement of Science, 1515 Massachusetts Ave., N Washington, D.C. 20005. Now combined with The Scientific Monthly. Second-class postage paid at Washington, D.C. Copyright © 1966 by the American Association for the Advancement of Science. Annual subscriptions $8.50; foreign postage, $1.50; Canadian postage, 75¢; single copies, $1.50 except Guide to Scientific Instruments, which is 50¢. Address all communications to the American Association for the Advancement of Science, 1515 Massachusetts Ave., N Washington, D.C. 20005. Please allow 4 weeks for change of address, giving new and old address and zip numbers. Send a recent address label. SCIENCE is indexed in the Reader's Guide to Periodical Literature.
Antibody Molecules: Discontinuous Heterogeneity of Heavy Chains:  
O. A. Roholt and D. Pressman  
1257

Lead-210 and Polonium-210 in Tissues of Cigarette Smokers: R. B. Holtzman and F. H. Iicewicz  
1259

Alpha Globulin Injections and Decreased Gamma Globulin Production in Chickens: B. B. Kamrin  
1261

Glycogen Content in the Wood-Boring Isopod, Limnoria lignorum: R. Y. George  
1262

Antiserum to Lymphocytes: Prolonged Survival of Canine Renal Allografts: A. P. Monaco et al.  
1264

N-Cyclohexyl Linoleamide: Metabolism and Cholesterol-Lowering Effects in Rats: H. Nakatani et al.  
1267

Chloroplast DNA from Tobacco Leaves: K. K. Tewari and S. G. Wildman  
1269

Contractile Cells in Human Seminiferous Tubules: M. H. Ross and I. R. Long  
1271

Protein and Nucleic Acid Synthesis in Escherichia coli: Pressure and Temperature Effects: J. V. Landau  
1273

Pulmonary Arterial Vasculature in Neonatal Hyaline Membrane Disease: J. M. Lauweryns  
1275

1277

Malathion Degradation by Trichoderma viride and a Pseudomonas Species: F. Matsumura and G. M. Boush  
1278

1280

“Dream Deprivation”: Effects on Dream Content: T. Pivik and D. Foulkes  
1282

“Copulation-Reward Site” in the Posterior Hypothalamus: A. R. Caggiutla and B. G. Hoebel  
1284

High-Pressure Reactions and Shear Strength of Serpentinitized Dunite: C. B. Sclar and L. C. Carrison; reply by T. P. Rooney and R. E. Riecker  
1285

Technical Comments: Single Cells, Coconut Milk, and Embryogenesis in vitro: W. Halperin  
1287

TEACHING MACHINES: V. Slamecka; Mental Retardation: H. Eichenwald  
1290

COVER

Coarse grains of sand, mostly quartz, from the ocean beach at Yachats, Oregon. The surface sheen is a result of wave action (about \( \times 3.5 \)). See review of The Movement of Beach Sand, page 1232. [Victor B. Scheffer, Bellevue, Washington]
Science 153 (3741), 1193-1305.