Economic Recovery and Scientific Research: A. F. Hofmann; The Language Problem: J. D. Mulholland; A. A. Feldmann; J. Arditti; Opportunities for the Handicapped: S. P. Stearner; R. E. Rehwoldt; S. Malcom

Transition at the EPA: J. Schmandt

Solar Chemistry of Metal Complexes: H. B. Gray and A. W. Maverick

Determination of Nucleotide Sequences in DNA: F. Sanger

Science, Technology, and the Limits of Judicial Competence: S. Jasanoff and D. Nelkin

OTA Predicts Growing Soviet Energy Trade

Scientist Convicted for Monkey Neglect

Cline Loses Two NIH Grants

Medfly Continues to Bug California

Briefing: U.S. Announces Pullout from IASA in Vienna; Engineers Flee Academia; Aliens on the Campus

New Creationism Bill Already Drafted

A New Wave of Antibiotics Builds

Cephalosporins Are Not the Only Answer

New Heart Attack Treatment Discussed

AAAS Exhibit 1982
Genes, Radiation and Society, reviewed by D. J. Kevles; Mammalian Genetics and Cancer, M. Potter; Interferons, J. Víleček; Aging, J. W. Rowe; The Dynamics of Technical Controversy, R. H. Salisbury; Books Received: 1232

Reports

Paleognathous Carinate Birds from the Early Tertiary of North America: P. Houde and S. L. Olson 1236

Adenosine 3',5'-Monophosphate Modulates Thyrotropin Receptor Clustering and Thyrotropin Activity in Culture: A. Avivi et al. 1237

Type III Hyperlipoproteinemia Associated with Apolipoprotein E Deficiency: G. Ghiselli et al. 1239

Intestinal Diffusion Barrier: Unstirred Water Layer or Membrane Surface Mucous Coat?: K. W. Smithson et al. 1241

Integration and Stable Germ Line Transmission of Genes Injected into Mouse Pronuclei: J. W. Gordon and F. H. Ruddle 1244

High Levels of Intracellular Bombesin Characterize Human Small-Cell Lung Carcinoma: T. W. Moody et al. 1246

Novel Peptide Neuronal System in Rat Brain and Pituitary: E. Weber et al. 1248

Autoimmune Encephalomyelitis: Simultaneous Identification of T and B Cells in the Target Organ: U. Traugott et al. 1251

Slow-Wave Sleep: A Recovery Period After Exercise: C. M. Shapiro et al. 1253


Disappearance of Stabilized Chromatic Gratings: D. H. Kelly 1257

Reversible Chemical Modification of the Scrapie Agent: M. P. McKinley, F. R. Masiarz, S. B. Prusiner 1259

Neuroleptic Drug-Induced Dopamine Receptor Supersensitivity: Antagonism by L-Prolyl-L-Leucyl-Glycinamide: S. Chiu, C. S. Paulose, R. K. Mishra 1261

Products and Materials

Hot Plate Oven; Laboratory Computer; Human Interferon; Balances; Pump; Image Analysis Software for Data Base Management; Gel Destainer/Agitator; Literature 1264

Cover

Skull of a paleognathous bird from the early Eocene of Wyoming, about 50 million years old. Somewhat older fossils from Montana also belong to this previously unknown group of medium-sized, flying birds. The ostrich-like palate of these birds is primitive and therefore cannot be used to define the ostrich-like birds (ratites) as a monophyletic group. See page 1236. [V. Krantz, Smithsonian Institution, Washington, D.C. 20560]