LETTERS

AAAS Herbicide Assessment Commission: A. H. Westing; Language and Prehistory: E. P. Hamp; Remedial College Courses: M. Beach; A. B. Grobman; Emergency Core Cooling: C. T. Chave; Clarifying Differences: W. J. Yurkiewicz; C. G. Clear

EDITORIAL

Natural Science: L. Thomas

ARTICLES

Light Pollution: K. W. Riegel

The Genetics of Hereditary Disorders of Blood Coagulation: O. D. Ratnoff and B. Bennett

Efficiency of Energy Use in the United States: E. Hirst and J. C. Moyers

NEWS AND COMMENT

National Cancer Plan: The Wheel and the Issues Go Round

Two Academies at Parting of Ways?

Lunar Science: Letting Bygones Be Bygones

Environmental Law (II): A Strategic Weapon Against Degradation?

White House Science: Hail and Farewell

RESEARCH NEWS

Lunar Science: Analyzing the Apollo Legacy

BOOK REVIEWS

The Biology of Amoeba, reviewed by A. C. Giese; Nerve Growth Factor and Its Antiserum, S. M. Crain; The Biology of Imaginal Disks, J. H. Postlethwait; Biological Applications of Electron Spin Resonance, T. C. Hollocher

REPORTS

Microorganisms from the Late Precambrian of the Grand Canyon, Arizona: J. W. Schopf, T. D. Ford, W. J. Breed

Fossil Lepidopterous Leaf Mines Demonstrate the Age of Some Insect-Plant Relationships: P. A. Opler

Toxin from Fusarium moniliforme: Effects on Plants and Animals: R. J. Cole et al. ................................................................. 1324

Electrogenic Sodium Pump in Squid Giant Axon: P. De Weer and D. Geduldig ....... 1326

Polyadenylc Acid in Virus RNA: D. Gillespie et al. .......................................................... 1328

Isolated Adrenal Cortex Cells: Hypersensitivity to Adrenocorticotropic Hormone after Hypophysectomy: G. Sayers and R. J. Beall .................. 1330

Observations of Apparent C-Type Particles in Baboon (Papio cynocephalus) Placentas: S. S. Kalter et al. ...................................................... 1332

Cloning of Rat Kangaroo (PTK.) Cells following Laser Microirradiation of Selected Mitotic Chromosomes: G. Basehoar and M. W. Berns .......... 1333

Rana pipiens Complex: Hemoglobin Phenotypes of Sympatric and Allopatric Populations in Arizona: J. E. Platz and A. L. Platz ...................... 1334

Electrogenic Sodium Pump and High Specific Resistance in Nerve Cell Bodies of the Squid: D. O. Carpenter ........................................ 1336


Serotonin: Radioimmunoassay: B. Peskar and S. Spector .................................................. 1340

Insect Juvenile Hormones: Highly Potent Synthetic Mimics: R. Sarniento et al. ................. 1342


Directionality of Rewarding Impulses within the Medial Forebrain Bundle Self-Stimulation System of the Rat: D. C. German and F. A. Holloway .......... 1345

Science, Development, and Human Values: H. Brown; Health Services: C. D. Flagle; Neurohumoral Coding of Brain Function: R. D. Myers; Behavior and Violence ............................................ 1348

ASSOCIATION AFFAIRS

WARD H. GOODENOUGH
CARYL P. HASKINS

DANIEL P. MOYNIHAN
PHYLLIS V. PARKINS

WILLIAM T. GOLDEN
Treasurer

WILLIAM DEYAN
Executive Officer

GEOLOGY AND GEOGRAPHY (E)
Helmut Landsberg
Raymond L. Duncombe
C. Towne French

ENGINEERING (M)
Raymond L. Duncombe
C. Towne French

INFORMATION AND COMMUNICATION (T)
Jordan Baruch
Scott Adams

BIOLOGICAL SCIENCES (G)
Dorothy Bliss
Richard J. Goss

MEDICAL SCIENCES (N)
Robert A. Good
Frederick Masteller

STATISTICS (U)
Frederick Masteller
Ezra Glaser

ANTHROPOLOGY (H)
Richard N. Adams
Anthony Leeds

AGRICULTURE (O)
Roy L. Law orn
Michael A. Farrell

ATMOSPHERIC AND HYDROSPHERIC SCIENCES (W)
Max A. Kohler
Louis J. Battin

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Cover

View of Pasadena and Los Angeles taken from Mount Wilson in 1911 (top) and 1965 (bottom). See page 1285.
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/179/4080

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl