LETTERS

EDITORIAL
How Fares Basic Science? ................................................................. 825

ARTICLES
The Mind’s Eye: Nonverbal Thought in Technology: E. S. Ferguson .......... 827
Animal Parthenogenesis: O. Cuellar ................................................. 837

NEWS AND COMMENT
Ice Cream: Dairymen Imperiled by FDA’s Recipe ................................ 844
New ADAMHA Head Expected to Lead, Not Just Coordinate. ............... 846
Moratorium for the Bowhead: Eskimo Whaling on Ice? ....................... 847

RESEARCH NEWS
Amorphous Silicon: A New Direction for Semiconductors .................. 851
Viral Messenger Structure: Some Surprising New Developments .......... 853

BOOK REVIEWS
Soviet Sociology of Science, reviewed by Y. M. Rabkin; The African Buffalo, J. F. Eisenberg; The Biochemistry of Smooth Muscle, R. E. Davies; Books Received and Book Order Service ........................................ 856

ASSOCIATION AFFAIRS
AAAS Annual Elections ..................................................................... 859

REPORTS
Plant-Animal Mutualism: Coevolution with Dodo Leads to Near Extinction of Plant: S. A. Temple ................................................................. 885

BOARD OF DIRECTORS
WILLIAM D. MC ELROY Retiring President, Chairman
EDMUND O. DADDARIO President
EDWARD E. DAVID, JR. President-Elect
MARTIN B. CUMMINGS RUTH M. DAVIS
RENE C. FOX BERNARD GIFFORD

CHAIRMEN AND SECRETARIES OF AAAS SECTIONS
MATHEMATICS (A) Norman Ramsey
Dorothy M. Stone
Truman A. Botts

PHYSICS (B) Rolf M. Sinclair
Norman Ramsey

CHEMISTRY (C) Leo Schubert
Norman Hackerman

ASTRONOMY (D) B. Landolt

SOCIOLOGY (J) Donald B. Lindley

SPECIAL AND ECONOMIC SCIENCES (K) Daniel Rich
Edwin F. Hollander

HISTORY AND PHILOSOPHY OF SCIENCE (L) Emmanuella Basta

EDUCATION (Q) Herbert A. Smith

PHARMACEUTICAL SCIENCES (S) George Basalla

DENTISTRY (R) Shalom Pearlman

INFORMATION, COMPUTING, AND COMMUNICATION (T) Samuel E. Epstein

ECONOMICS (O) James T. Robinson

TECHNICAL PROGRESS (P)

DIVISIONS
ALASKA DIVISION

PACIFIC DIVISION

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION

MILDRED MATTHIAS

ALAN E. LEVINTON

ERIK K. BONDE

Executive Secretary

Secretary-Treasurer

President

President

President

EXECUTIVE OFFICE

David M. Hidock

Keith B. Mathew

Rosa E. Desseches

Max P. Dunford

President

President

President

Executive Secretary

Executive Secretary

Executive Secretary

SCIENCE is published weekly, except the last week in December, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Second-class postage paid at Washington, D.C., and additional entry. Copyright © 1977 by the American Association for the Advancement of Science. Member rates on request. Annual subscriptions $60; foreign postage: Canada $10; other surface $13; air-surface via Amsterdam $30. Single copies $2 (back issues $3) except Guide to Scientific Instruments $6. School year subscriptions: 9 months $45; 10 months $50. Provide 6 weeks notice for change of address, giving new and old addresses and postal codes. Send a recent address label, including your 7-digit account number. Postmaster: Send Form 3579 to Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Science is indexed in the Reader’s Guide to Periodical Literature.
**PRODUCTS AND MATERIALS**

Fluorometer; Data Processor for RIA; Water Quality Monitor; Sodium Potassium Analyzer; Impedance Rheograph; Uric Acid Analysis; Hemoglobin Oxygen Analyzer; Double-Beam Spectrophotometer; Literature

---

**OVER**

In 1900, the "correct" (that is, ultimate) arrangement of motorcycle elements—engine (A), drive mechanism (C), fuel tank (J), and battery (H)—was neither self-evident nor deducible from scientific laws. Alternative arrangements had to be visualized and tried. By such tentative choices, technical designers ordain the shape of our man-made world. See page 827. [From W. W. Beaumont, Motor Vehicles and Motors, Westminster and Philadelphia, 1900]
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/197/4306.citation

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

*Science* (print ISSN 0036-8075; online ISSN 1095-9203) is published weekly, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. Copyright 2016 by the American Association for the Advancement of Science; all rights reserved. The title *Science* is a registered trademark of AAAS.