LETTERS
Flora of North America: A. W. Galston; Insulin Synthesis: S. A. Lakoff;
Arms Control: J. Lederberg and S. D. Drell; One Man’s Family:
R. H. Shannon; Frog Health: D. S. Papermaster and E. Gralla;
Latin American Development: L. Tosi; P. G. Keeney

EDITORIAL
Blow-Hot. Blow-Cold Educational Policies

ARTICLES
A Distilling System for Purer Water: K. Hickman, I. White, E. Stark
Enzymatic Interconversion of Active and Inactive Forms of Enzymes:
H. L. Segal
On the Enzymology of Amino Acid Transport: A. Meister

NEWS AND COMMENT
Soviet-American Science Accord: Could Dissent Deter Detente?
Herbicides: Agent Orange Pulled from Vietnam May Go to the South Americans
immunology. Two Immune Systems Capture Attention

RESEARCH NEWS
ERTS: Surveying Earth’s Resources from Space

BOOK REVIEWS
Impact of Insulin on Metabolic Pathways, reviewed by A. Rubenstein; Glucagon,
P. W. Felts; Behaviour of Wolves, Dogs and Related Canids, L. K. Corbett;
Aquaculture, J. D. Costlow; Biology of Halophytes, B. Osmond

REPORTS
Helium Flux from the Earth’s Mantle as Estimated from Hawaiian Fumarolic
Degassing: J. J. Naughton et al.
Ductile Superconducting Copper-Base Alloys: C. C. Tsuei
Nile Delta: The Defunct Pelusiac Branch Identified: A. Sneh and T. Weissbrod ...  59
Crystallographic Orientation of Clinoenstatite Produced by Deformation of Orthoenstatite: R. S. Coe and W. F. Müller ..........................  64
Teleconnections in the Equatorial Pacific Ocean: K. Wyrki ..........................  66
Lunar Cinder Cones: T. R. McGetchin and J. W. Head .............................  68
Mechanisms of Trace Metal Transport in Rivers: R. J. Gibbs ..........................  71
Kilauea Volcano, Hawaii: A Search for the Volcanomagnetic Effect: P. M. Davis et al. ........................................  73
Genetic Variation in a Gradient of Environmental Variability: Marine Bivalvia (Mollusca): J. Levinton ........................................  75
Two Morphologically Distinct Blood-Brain Barriers Preventing Entry of Cytochrome c into Cerebrospinal Fluid: T. H. Milhorat, D. A. Davis, B. J. Lloyd, Jr. ..........................  76
Immunologic Manipulation of Metastases due to Herpesvirus Transformed Cells: R. Duff, E. Doller, F. Rapp ...........................................  79
Translocation Trisomic Mice: Production by Female but Not Male Translocation Carriers: E. M. Eicher .............................................  81
Genetic Control of Song Specificity in Crickets: R. R. Hoy and R. C. Paul ...........................................  82
Δ⁹-Tetrahydrocannabinol: Effects on Mammalian Nonmyelinated Nerve Fibers: R. Byck and J. M. Ritchie .............................................  84


WARD H. GOODENOUGH  CARYL P. HASKINS
CAREER PLANNING (E)  GEOLOGY AND GEOGRAPHY (E)
Helmut Landsberg  Ramon E. Brique
Emily L. Duncombe  C. Towner French
Information and Communication (T)
Jordan Baruch  Scott Adams

DANIEL P. MOYNIHAN  PHYLLIS V. PARKINS  WILLIAM T. GOLDEN  WILLIAM BEVAN
GEOLICAL SCIENCES (G)  EXECUTIVE OFFICER  ANTHROPOLOGY (H)
Dorothy Bliss  Richard J. Goss  Richard N. Adams  Anthony Leeds
MEDICAL SCIENCES (M)  AGRICULTURE (O)
Robert A. Good  F. Douglas Lawson  Roy L. Loworn  Michael A. Farrell
STATISTICS (U)  ATMOSPHERIC AND HYDROSPHERIC SCIENCES (W)
Frederick Mosteller  Max A. Kohler  Ezra Glaser  Louis J. Bettan

The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.

COVER
Female crickets are drawn to males of the same species by the male’s calling song. By placing a tethered female upon a Y-maze and placing loudspeakers on her right and left, her responsiveness to various songs can be directly measured (actual size of cricket, 1 inch in length). See page 82. [C. Walcott, Biology Department, State University of New York, Stony Brook]
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/180/4081

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