LETTERS

McGovern’s Conversion Program: S. E. Luria; IQ: Methodological and Other Issues:
R. M. Dawes; L. Willerman; N. O. Calloway; R. Hubbard; W. T. Powers;
H. J. Eysenck; D. W. Shucard; S. Scarr-Salapatek; Unemployed Engineers:
E. Weiss; Old-Fashioned Virtues: D. L. Kline

EDITORIAL

A Philosophy for Technology: G. P. Miller

ARTICLES

Nonlinear Spectroscopy: R. G. Brewer
Particle Track Etching: R. L. Fleischer et al.
Breath Tests for Determining Alcohol in the Blood: W. S. Lovell
Project Sanguine: J. R. Wait
Electronic Characterization of Solid Surfaces: H. D. Hagstrum

NEWS AND COMMENT

Sickle Cell Anemia: National Program Raises Problems as Well as Hopes
Turnover at CEQ
SIPRI: Peace Research Institute Losing Old Staff, Seeks Wider Role
Medicine at Michigan State (III): Conditioning for Innovation

RESEARCH NEWS

Magnetic Containment Fusion: What Are the Prospects?

BOOK REVIEWS

Aging and Society, reviewed by G. L. Maddox; Inhibition and Learning, D. S. Blough;
Hemoglobin and Myoglobin in Their Reactions with Ligands, M. Reichlin;
Bears, R. D. Taber; Atlas of Animal Bones, S. J. Olsen; Books Received

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REPORTS

Eastern Atlantic Continental Margin: Some Results of the 1972 Cruise of the R.V. Atlantis II: K. O. Emery ................................................................. 298

Ridge Transform Fault Spreading Pattern in Freezing Wax: D. W. Oldenburg and J. N. Brune ................................................................. 301

Cytotoxic Antibody in Normal Human Serums Reactive with Tumor Cells from Acute Lymphocytic Leukemia: W. B. Bias et al. ........................................... 304

Herpesvirus hominis: Isolation from Human Trigeminal Ganglion: F. O. Bastian et al. ......................................................... 306

Diabetes Mellitus and the Gene for Fanconi's Anemia: M. Swift, L. Sholman, D. Gilmour ................................................................. 308

Adenosine 3',5'-Monophosphate: Electrophysiological Evidence for a Role in Synaptic Transmission: D. A. McAfee and P. Greengard ......................................................... 310

Polychlorinated Biphenyls: Metabolic Behavior of Pure Isomers in Pigeons, Rats, and Brook Trout: O. Hutzinger et al. ......................................................... 312

Raphides with Barbs and Grooves in Xanthosoma sagittifolium (Araceae): W. S. Sakai, M. Hanson, R. C. Jones ......................................................... 314


Chronic Thyroiditis in the Rabbit Induced with Homologous Thyroid Microsomes: M. Mangkornkanok, A. S. Markowitz, H. A. Battifora ......................................................... 316

Herpesvirus Type 2 in the Male Genitourinary Tract: Y. M. Centifanto et al. ......................................................... 318

Adaptation of the Adrenal Medulla: Sustained Increase in Choline Acetyltransferase by Psychosocial Stimulation: A. M. Goldberg and B. L. Welch ......................................................... 319

AAAS ANNUAL MEETING

Environmental Sciences ................................................................. 321

COVER

Fission track sunbursts from dust particles record the uranium concentration and size of the particle. The tracks are from fission induced by irradiation of a dust particle on a piece of mica and are revealed by chemically etching the mica in hydrofluoric acid (about \( \times 2200 \) for background; \( \times 750 \) for insets). See page 255. [P. B. Price and R. M. Walker, *Journal of Geophysical Research*. 68, 4847 (1963)]