LETTERS

Mechanical Translation: Two Views: M. Taube and A. Kalman; Two Camps in Science: B. Fullman; Civil Defense Testimony Misread: W. F. Schreiber and N. Rosi; Kreblozen and Retine: A. Szent-Györgi, A. Hegyeli, J. A. McLaughlin; Superfluous Textbooks: S. A. Hoenig; Timing of Research on Social Change: J. A. Pechman; All in the Same Boat: F. Costin; Logical Conclusion?: R. Milkman

EDITORIAL

The Birthdays of Science

ARTICLES

Geological Aspects of High-Pressure Research: F. R. Boyd

High-pressure experimentation is providing a new look at problems in geophysics and petrology.

Biological Complexity and Radiosensitivity: H. S. Kaplan and L. E. Moses

Radiation lethality in cells and viruses is correlated with nucleic acid content, structure, and ploidy.

Metallic Emissions from the Upper Atmosphere: D. M. Hunten

Photometry of twilight emissions from alkali metals gives information on upper-atmospheric processes.

NEWS AND COMMENT

Science in Cincinnati—Taft Engineering Center; N. S. Savannah—Problems and Prospects

Report from Europe: Laboratory of Molecular Biology, Cambridge, II: V. K. McElheny

BOOK REVIEWS


REPORTS

Environmental Radiation: Measurements of Dose Rates: P. F. Gustafson, J. Kastner, J. Luetzelschwarz

Infrared Study of Selective Deuteration of Kaolinite and Halloysite at Room Temperature: R. L. Ledoux and J. L. White

Viscosity and Self-Diffusion of Liquid Metals: A. V. Grosse

Delayed Hypersensitivity in Man: Transfer by Lymphocyte Preparations of Peripheral Blood: R. G. Slavin and J. E. Garvin

Benz(a)pyrene and Other Polynuclear Hydrocarbons in Charcoal-Broiled Meat: W. Lijinsky and P. Shubik


Pyruvate Metabolism and Control: Factors Affecting Pyruvic Carboxylase Activity: A. D. Freedman and L. Kohn

l-Octopamine in Citrus: Isolation and Identification: I. Stewart and T. A. Wheaton


5-Methoxytryptophol: Effect on Estrus and Ovarian Weight: W. M. McIsaac, R. G. Taborsky, G. Farrell

Tonic Influence of Rostral Brain Structures on Pressure Regulatory Mechanisms in the Cat: D. J. Reis and M. Cuénod

Distributive Pairing and Aneuploidy in Man: R. F. Grell and J. I. Valencia

Phenoloxidase System of the Blowfly, Calliphora erythrocephala: C. E. Sekeris and D. Mergenhagen

Dynamics of Motion Perception in the Desert Locust: J. Thorson


MEETINGS

Alaska Earthquake, 27 March 1964: D. Landen; Artificial Internal Organs: J. F. Maher and S. A. Wesołowski; Forthcoming Events

DEPARTMENTS

New Products

COVER

Facsimile of the seismogram of the Alaskan earthquake which was made by the visible recording instrument at the U.S. Department of Commerce, Washington, D.C. The record covers approximately 48 hours. Each horizontal line represents 1 hour and the vertical lines occur at 1-minute intervals. The preliminary wave of the main shock arrived in Washington at 03 hr 44' 46" U.T., 28 March (white arrow). The computed time of origin in Alaska was 03 hr 36' 13" U.T., 28 March. See page 74. [U.S. Department of Commerce]
Science 145 (3627), 6-80.