LETTERS
International Studies and the Academicians: R. Hilton; Achievement: J. W. Hamblen; R. B. Bennett; M. D. Post; D. H. Fuller; Harder by the Dozen: E. Symon .............................. 965

EDITORIAL
Diversity of Institutional Goals .......................................................... 969

ARTICLES
The X-ray Analysis of Complicated Molecules: D. C. Hodgkin .................. 979
Fluoride Protection of Bones and Teeth: R. F. Sognnaes .......................... 989
National Planning of Science and Technology in France: J. B. Quinn .............. 993

NEWS AND COMMENT
Post-Apollo: Senate Hearings Open Debate—New Accelerator: AEC Teams Visiting Site—Environmental Pollution: PSAC Panel Reports—Naval Academy: Curriculum Modernized, Faculty Upgraded .............................................. 1003
Report from Europe: France Considers Significance of Nobel Awards: V. K. McElheny .......................................................... 1013

BOOK REVIEWS
Water Resource Investment and the Public Interest, reviewed by E. S. Mills; other reviews by R. M. Bannerman, J. A. Ford, E. Norbeck, C. Villee, J. McKenna, A. D. Hasler, J. W. Chamberlain, B. J. McCormick, V. B. Morris, Jr., H. L. Barnett; New Books; Conference and Symposium Reports ........................................... 1016

REPORTS
Titanium Dioxide in Pyroclastic Layers from Volcanoes in the Cascade Range: G. K. Czamanske and S. C. Porter .............................................................. 1022
Radiation Sintering of Lunar Dust: R. Smoluchowski ................................ 1025
Intercrystalline Links in Bulk Polyethylene: H. D. Keith, F. J. Padden, Jr., R. G. Vadinisky ............................................................................. 1026
Iron Minerals Formed by a Nuclear Explosion in a Salt Bed: M. W. Nathans, D. K. Smith, J. S. Kahn ................................................................. 1027
Visual Excitation and Blood Clotting: G. Wald........................................ 1028
Blood-Flow Relation between Hepatic Artery and Portal Vein: J. L. Ternberg and H. R. Butcher, Jr. ................................................................. 1030
 Neurosecretory Supply to the Epidermis of an Insect: S. H. P. Maddrell .......................... 1033
 Histamine Synthesis and Gastric Secretion after Portacaval Shunt: J. E. Fischer and S. H. Snyder .................. 1034
 Crystal and Molecular Structure of a Phospholipid Component: L-α-Glycerophosphorylcholine Cadmium Chloride Trihydrate: M. Sundaralingam and L. H. Jensen .................. 1035
 Circadian Rhythms in Male Ants of Five Diverse Species: E. S. McCluskey .......................... 1037
 Organ Weights in Primates and Other Mammals: W. R. Stahl .......................... 1039
 Phenylketonuria: Limit in Capacity of Pre-Weanling Rats To Oxidize β-PHENYLGLUTÂRATE and Other α-Hydroxy Acids: F. B. Goldstein .......................... 1042
 Oncogenicity of the Simian Adenoviruses: R. N. Hull et al. .......................... 1044
 Bacterial Contamination of Some Carbonaceous Meteorites: J. Oró and T. Tornabene .......................... 1046
 Exchangeable Mass: Determination without Assumption of Isotopic Equilibrium: P.-E. E. Bergner .......................... 1048
 Frog Retina: Detection of Movement: D. Finkelstein and O.-J. Grüser .......................... 1050
 Growth Hormone: Important Role in Muscular Exercise in Adults: W. M. Hunter, C. C. Fonseka, R. Passmore .......................... 1051
 Lysosomal and Free Acid Phosphatase in Salivary Glands of Chironomus tentans: K. S. Schin and U. Clever .......................... 1053
 Codominance of Visual Pigments in Hybrid Fishes: W. N. McFarland and F. W. Munz .......................... 1055
 Comments on Reports: Decision Theory in Studies of Discrimination in Animals: J. A. Nevin .......................... 1057

ASSOCIATION AFFAIRS

AAAS Annual Meeting: Physical Sciences: R. Colvig .......................... 1058

MEETINGS

Cancer Research: D. N. Ward; Forthcoming Events .......................... 1063

COVER

The mechanical properties of high polymers crystallized from a melt depend largely upon the nature of the connecting material between thin, ribbon-like crystals. The transmission electron micrograph, shadow-cast at 23 degrees, shows fibrinous links between aggregates of crystals in a thin film of polyethylene (about × 65,000). See page 1026.