LETTERS
Ethics, Law, and the Universities: M. S. Marshall and J. P. Sutton; World Trade in Technology: S. V. Hart; College Boards for Biology: A. B. Grobman; Prestige in the Two Cultures: L. A. Stone

EDITORIAL
Basic Research Journals

ARTICLES
Dendrites: W. A. Tiller
Understanding of this familiar phenomenon has led to the development of useful man-made materials.

Growth, Maturation, and Senescence in Fruits: J. B. Biale
Recent knowledge on growth regulation and on biological oxidations has been applied to studies with fruits.

Underwater Sound: Deep-Ocean Propagation: R. A. Frosch
Variations of temperature and pressure have great influence on the propagation of sound in the ocean.

Original papers are used as textbooks in a university course for nonscience students.

NEWS AND COMMENT
Nobel Prize: Three Honored in Physics; Astronomy: Proposals for Major Construction Program; Sartre: The Other Culture

Report from Europe: Genetics at Cologne: V. K. McElheny

BOOK REVIEWS
Copolymerization, reviewed by C. Walling; other reviews by L. Carmichael, A. Ruthmann, K. K. Innes, R. E. Schultes, C. L. Christ, C. D. Hurd

REPORTS
Lunar Occultation of X-ray Emission from the Crab Nebula: S. Bowyer et al.


Meteoritic Zircon: U. B. Marvin and C. Klein, Jr.

Synergism between a Lactate Dehydrogenase–Elevating Virus and Eperythrozoon cocoides: V. Riley

Phosphorus Excretion and Body Size in Marine Animals: Microzooplankton and Nutrient Regeneration: R. E. Johannes
Genetic Regulatory Mechanisms at the Population Level in Man: P. A. Parsons 924
Sporangium Discharge in Pilobolus: A Photographic Study: R. M. Page 925
Ionizing Radiation: Effect on Genetic Transcription: E. C. Pollard 927
Crustacea: A Primitive Mediterranean Group also Occurs in North America: B. Maguire, Jr. 931
Epidermal Papillomas with Virus-like Particles in Flathead Sole, Hippoglossoides elassodon: S. R. Wellings and R. G. Chuitnard 932
Antibody Plaque Formation by Normal Mouse Spleen Cell Cultures Exposed in vitro to RNA from Immune Mice: H. Friedman 934
Enzootic Sendai Virus Infections in Mouse Breeder Colonies within the United States: S. J. Berry, A. Krishnakumaran, H. A. Schneiderman 936
California Sparrows Return from Displacement to Maryland: L. R. Mewaldt 941
Collagenolytic Activity of Intact and Necrotic Connective Tissue: E. R. Goldstein, Y. M. Patel, J. C. Houck 942
Immunity and Susceptibility toward Cheek Pouch Transplants of a Mouse Leukemia: R. A. Adams 944
Bats: Sensitivity to DDT: M. M. Luckens and W. H. Davis 948
Sex-Linked Albinism in the Japanese Quail: J. K. Lauber 948
Mirror Display in the Squirrel Monkey, Saimiri sciureus: P. D. MacLean 950
Puromycin Effect on Memory Fixation in the Goldfish: B. W. Agranoff and P. D. Klinger 952

ASSOCIATION AFFAIRS

Environmental Variables in Disease 954

MEETINGS

History of Microbiology: R. N. Doetsch; Interferon: M. M. Sigel; Mitochondrial Structure and Function—A "Compostium": B. Chance and R. W. Estabrook; Forthcoming Events 956

COVER

Migratory white-crowned sparrow (Zonotrichia leucophrys gambelli) at its wintering ground near San Jose, California. Birds of this species nest in northern Canada or Alaska and return each fall to the same location in California. They also have the ability to go back to the same winter home after artificial displacement across the continent. See page 941. [William K. Kirsher, Menlo Park, California]