Editorial
You Can't Go Home Again

Articles
The Story of the Crab Nebula: N. U. Mayall
Ancient records reveal its origin as a supernova; recent work indicates it is a cosmic synchrotron.

Pollen Analysis and the Cenozoic: P. S. Martin and J. Gray
Ancient climate and vegetation can be studied by comparison of modern and fossil pollen rains.

Genetics and Equality: Th. Dobzhansky
Equality of opportunity makes the genetic diversity among men meaningful.

News and Comment
NIH budget: Congress is looking closer this year

Book Reviews
Induced Systemic Hypersensitivity: Selye's Theory: M. R. Urist
The nature of the local mechanism of calcification is one of the most important unsolved problems of biochemistry.

N. H. Furman's Standard Methods of Chemical Analysis, reviewed by P. J. Elving; other reviews

Reports
Adrenocorticotropic Secretion Inhibited by Implantation of Hydrocortisone in the Hypothalamus: J. M. Davidson and S. Feldman

Higher Nervous Activity in Cats with Midpontine Pretrigeminal Transections: J. Affanni, P. L. Marchiafava, B. Zernicki

Conditions Influencing Vocal Responsiveness of Infant Chimpanzees: W. A. Mason and G. Berkson


Parental Handling in Two Strains of Mice Reared by Foster Parents: R. H. Ressler

Tracers, Transfer through Membranes, and Coefficients of Transfer: L. F. Nims

High-Speed Cinematography of Muscle Contraction: R. E. Haupt and D. M. Wall

Departments
Meetings: Antibiotics in Agriculture; Forthcoming Events
New Products

Letters from J. E. Prier; C. J. Shellabarger, W. J. Platt, J. N. Fain, R. C. Bard, A. M. Weinberg; B. Lepson; J. C. Honey; N. Tischler; R. L. D. Morse and R. Cox; P. Mayerson; G. Ross

Cover
Portion of a developing oocyte of the fruit fly, Drosophila melanogaster, and its adjacent follicle cells (right). From a drawing, prepared by E. J. Pfiffner, based on a composite series of 40 electron micrographs. [Robert C. King, Northwestern University, Evanston, Ill.]