## Editorial
How Much Research for a Dollar? ................................................................. 517

## Articles
Protecting Rainbow Bridge: A. M. Woodbury ............................................. 519
A study of dangers to Rainbow Bridge from water of Glen Canyon Reservoir brings surprising answers.

Direct Metabolic Interactions between Animal Cells: H. Hermann .................. 529
Their role in tissue function and development is reconsidered.

Franklin S. Harris, Agronomist, Educational Administrator: W. Thorne .......... 533

## Science in the News
Use of Surplus Food Funds for Science and Education: Treaty Reducing Tariffs on Books, Art, and Scientific Instruments: Fate of Congo Parks .................. 534

## Book Reviews
C. Wolf, Jr.'s, *Foreign Aid: Theory and Practice in Southern Asia*, reviewed by H. G. Aubrey; other reviews ................................................................. 541

## Reports
Water Permeability of Bacterial Spores and the Concept of a Contractile Cortex: J. C. Lewis, N. S. Snell, H. K. Burr .................................................. 544

Transmissible Agent Associated with 26 Types of Experimental Mouse Neoplasms: V. Riley et al. ................................................................. 545

Effect of Pyramidal Tract Activity on Dorsal Column Nuclei: S. J. Jabbur and A. L. Towe ................................................................. 547

Hormonal Induction of Vascular Tissue in Tobacco Pith in vitro: M. E. Clutter .... 548

Oxygen Equilibrium of Brachiopod *Lingula* Hemerythrin: C. Manwell ........ 550

## Departments
Letters from J. A. Gustafson: B. T. Eiduson and G. Holton; M. Taube;
W. P. Taylor and E. J. Ryder ................................................................. 552

The Pancreas; Forthcoming Events; New Products ....................................... 564

## Cover
The amphitheater surrounding Rainbow Bridge, Rainbow Bridge National Monument, Utah. See page 519. Photographed by Russell I. Alley, Salt Lake City, Utah. [U.S. Bureau of Reclamation]