LETTERS
Personnel Selection in Academic Institutions: M. B. Shimkin; Statistics Section: C. J. Maloney and D. Rothman; Scientists in Public Affairs: M. E. Prior; Jargon Addon: H. Rubinstein; Metric System: Small Quid for a Large Quo: A. E. Schubiger and J. E. Baer; Pacific Science Center: R. S. Weiss; Shortage of Medical Students: B. I. Goldberg

EDITORIAL
Self-Development

ARTICLES
Cytodifferentiation and Its Controls: C. Grobstein
Intrinsic and extrinsic cellular controls intimately interact in differentiative synthesis.

Microenvironments and Mesoamerican Prehistory: M. D. Coe and K. V. Flannery
Fine-scale ecological analysis clarifies the transition to settled life in pre-Columbian times.

Thermal Control in Space Vehicles: A. L. Alexander
Organic coatings provide convenient and relatively inexpensive means of regulating interior temperature.

NEWS AND COMMENT
Civilian Technology: Realignment for Program—Congress and Science: Inquiries Currently Quiet—Narcotics: New Prescription

BOOK REVIEWS
The Biological Sciences Curriculum Study Publications: J. K. Brierley

Infra-Red Spectroscopy and Molecular Structure, reviewed by E. A. Burns; other reviews by E. L. Core, T. A. Vanderslice, E. Segrè, G. H. Wannier, H. S. Peiser, L. H. Loomis

REPORTS
Helium Difluoride: Possible Preparative Techniques Based on Nuclear Transmutations: G. C. Pimentel, R. D. Spratley, A. R. Miller

Antiquity of American Polyploid Cotton: C. E. Smith, Jr., and R. S. MacNeish


Mössbauer Effect in Hemoglobin with Different Ligands: U. Gonser, R. W. Grant, J. Kregzde

Toxic Residues in Soil 9 Years after Treatment with Aldrin and Heptachlor: A. T. S. Wilkinson, D. G. Finlayson, H. V. Morley

Actinomycin D as a Probe for Nucleic Acid Secondary Structure: R. Haselkorn

Actinomycin: Correlation of Structure and Function of Its Complexes with Purines and DNA: E. Reich

Diabetes Mellitus in the Sand Rat Induced by Standard Laboratory Diets: K. Schmidt-Nielsen, H. B. Haines, D. B. Hackel

Water Transport across Root Cell Membranes: Effect of Alkenylsuccinic Acids: P. J. C. Kuiper

Histone Staining with Ammoniacal Silver: M. M. Black and H. R. Ansley

Mutarotase Inhibition by l-Deoxyglucose: A. S. Keston

Heterotransplantation of the Kidney: Two Clinical Experiences: K. Reemtsma et al.

Intracranial Reward Delay and the Acquisition Rate of a Brightness Discrimination: R. E. Keesey


MEETING REPORTS
Polymers: Thermal Stability; Geology and Trace Elements: Relation to Nutrition; Forthcoming Events

DEPARTMENTS
New Products

COVER
Reverse autoradiograph showing distribution of radiosodium in rat kidney; the light areas correspond to radioactive deposition. Two regions of sodium concentration can be distinguished; one is near the junction between the inner and outer medulla and the other is deeper within the medulla. The specimen was prepared from a frozen kidney section 10 microns thick. The picture was made with nonscreen X-ray film which had been exposed at −20°C. See page 695.
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