Editorial

The Keeper of the Gate

Articles

Physiology of Flowering: J. A. D. Zeevaart

Flowering is hormonally controlled, but the nature of the hormone remains to be elucidated.

Recoilless Nuclear Resonance Absorption of Gamma Radiation: R. L. Mössbauer

A new principle yields gamma lines of extreme narrowness for measurements of unprecedented accuracy.

News and Comment

Presidential Decree Boosts Arms Agency

Book Reviews

Elements of Queuing Theory, Stochastic Service Systems, Queues, Introduction to the Theory of Queues, reviewed by P. M. Morse; other reviews

Reports

Origin of Tektites: H. C. Urey

Lunar Synodical Period and Widespread Precipitation: D. A. Bradley, M. A. Woodbury, G. W. Brier

Lunar Component in Precipitation Data: E. E. Adderley and E. G. Bowen

Alveolar Epithelial Cell Mitochondria as Source of the Surface-Active Lung Lining: M. Klaus et al.

Bedrock Geology of the Thiel Mountains, Antarctica: A. B. Ford and J. M. Aaron


Sterility in the Mexican Fruit Fly Caused by Chemicals: J. G. Shaw and M. Sanchez Riviello

Effects of Perceptual Training at Three Age Levels: D. Elkind, R. R. Koegler, E. Go

Nevada Test Fallout and Radioiodine in Milk: R. E. Lapp

Anopheles leucosphyrus Identified as a Vector of Monkey Malaria in Malaya: R. H. Wharton et al.

Male Sexual Behavior Induced by Intracranial Electrical Stimulation: E. Vaughan and A. E. Fisher

Increase in Diffusible Auxin after Treatment with Gibberellin: S. Kuraishi and R. M. Muir

Salmonella Species in Turtles: J. A. Boycott

Mechanism of Tissue Reconstruction by Dissociated Cells, II: Time-Course of Events: M. S. Steinberg

Utilization of Nitrogen Compounds by Unicellular Algae: E. C. Birdsey and V. H. Lynch

Interaction of Olfactory and Other Environmental Stimuli on Implantation in the Deer Mouse: B. E. Elefteriou, F. H. Bronson, M. X. Zarrow

Contamination of Vegetation by Tetraethyl Lead: H. L. Cannon and J. M. Bowles

Sorbitol Translocation in Apple: K. L. Webb and J. W. A. Burley

Departments

Meetings: International Biological Program; Forthcoming Events

New Products

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Cockleburr, Xanthium pennsylvanicum. See page 723. [James McClanahan, California Institute of Technology]