Editorial
Irony Compounded

Articles
Immunological Tolerance: P. B. Medawar
The phenomenon of tolerance provides a testing ground for theories of the immune response.

Immunological Recognition of Self: F. M. Burnet
Such recognition suggests a relationship with processes through which functional integrity is maintained.

Limitations on Space Flight due to Cosmic Radiations: H. J. Curtis
Newly discovered radiations dictate vehicle design and orbit of future manned space flights.

Science in the News
A Few Headaches: Priorities for Science; Preparing for the Test Ban Talks; the Rules Committee

Book Reviews
C. H. Waddington's The Ethical Animal, reviewed by T. Dobzhansky; other reviews

Reports
Painless Killing of Crabs and Other Large Crustaceans: G. Gunter
Depression of Taste Sensitivity to Specific Sugars by Their Presence during Development: D. R. Evans
Effect of Mitomycin C on Lateral Root-Tip Chromosomes of Vicia faba: T. Merz
Sensory Deprivation and Pain Thresholds: J. Vernon and T. E. McGill
Selecte

Departments
Forthcoming Events; New Products

Cover
Portion of a leaf of the palm Thrinax parviflora in Fairchild Tropical Garden, Miami, Fla. See page 325. [W. H. Hodge, Longwood Gardens, Kennett Square, Pa.]