LETTERS

TMI Public Health Fund: G. M. Woodwell; M. Oshakken; F. von Hippel; Instruction in Science and Mathematics: M. McCormack; Software Piracy: R. Lynch.......................... 872

EDITORIAL

Carbon Dioxide Emissions .................................................. 879

ARTICLES

The 1983 Nobel Prize in Physics: H. A. Bethe; E. E. Salpeter.................. 881
From Teosinte to Maize: The Catastrophic Sexual Transmutation: H. H. Ilis .... 886
Law and Science Policy in Federal Regulation of Formaldehyde: N. A. Ashford, C. W. Ryan, C. C. Caldart...................... 894

NEWS AND COMMENT

Star Wars Plan Gets a Green Light ....................................... 901
Briefing: Cambridge Citizens Vote Down Weapons Ban; Businessmen Urge Major Cuts in R & D; Agrigenetics to Go Public; Kangarooos Defended .......... 902
To Catch a Spy ............................................................... 904
NAE Seeks a Share of the Limelight .................................... 905
EPA Faults Classic Lead Poisoning Study ................................ 906
Government Intercedes in “Baby Jane Doe” ............................ 908

RESEARCH NEWS

Huntington’s Disease Gene Located ..................................... 913
Viroid Origin in Jumping Genes? .......................................... 915
IRAS Science Briefings .................................................. 916
Harbingers of the Coalinga Earthquake .................................. 918

ANNUAL MEETING Call for Contributed Papers ................................. 919

BOOK REVIEWS
The Ecology of a Tropical Forest, reviewed by J. Terborgh; Mate Choice,
G. Borgia; Physics of Ion-Ion and Electron-Ion Collisions, M. R. Flannery;
Venus, P. I. Gierasch; Geological Evolution of the Earth During the
Precambrian, A. M. Goodwin; Books Received .................................. 920

REPORTS
Chlorine-36 Dating of Saline Sediments: Preliminary Results from Searles Lake,
California: F. M. Phillips et al. ............................................. 925
Serologic Evidence of Chlamydial and Mycoplasmal Pharyngitis in Adults:
A. L. Komaroff et al. ................................................................. 927
Heme-Heme Orientation and Electron Transfer Kinetic Behavior of Multisite
Oxidation-Reduction Enzymes: M. W. Makinen et al. ...................... 929
Erythrocyte Form of Spectrin in Cerebellum: Appearance at a Specific Stage in
the Terminal Differentiation of Neurons: E. Lazarides and W. J. Nelson .... 931
Activation of Central Neurons by Ventral Root Afferents: J. M. Chung et al. .... 934
Inhibition of Gastric Acid Secretion in Rats by Intracerebral Injection of
Corticotropin-Releasing Factor: Y. Tache et al. ............................... 935
Normalization of Spiroperidol Binding in the Denervated Rat Striatum by
Homologous Grafts of Substantia Nigra: W. J. Freed et al. .................. 937
Early Auditory Experience Aligns the Auditory Map of Space in the Optic
Tectum of the Barn Owl: E. I. Knudsen ...................................... 939

Cover
Freshly harvested maize (Zea mays ssp. mays) of race Conico, a cultivar
with highly condensed ears, from one
field near Santiago del Monte, 35
kilometers west of Toluca, Estado de
Mexico. Typical of the Mexican Pla-
teau, Conico hybridizes locally (but not
here) with teosinte (Zea mays mexi-
cana), which may account for its aston-
ishingly great variability. See page 886.
Hugh H. Ilits, Department of Botany,
University of Wisconsin, Madison
53706]