LETTERS
The Wooldridge Report: T. E. Boyd; J. R. Pierce; J. D. Cooper; B. E. Moore;
Recording the Data: R. A. Durst; Thoreau and "Ecology": Correction:
W. Harding; Women in Science or Out: F. M. A. Dyro; D. E. Wynne;
The Critic Criticized: L. G. Humphreys; J. E. Milholland; VA Hospitals:
Length of Stay: J. M. Segarra ........................................... 705

EDITORIAL
The Governance of Higher Education ........................................ 711

ARTICLES
The Gyroscope: Theory and Application: W. Wrigley and W. M. Hollister .......... 713

Present guidance requirements have made development of the gyroscope an
important technology.

Organic Pigments: Their Long-Term Fate: M. Blumer ....................... 722

Fossil pigments provide evidence of modification of chemical structure
under geological conditions.

Research on Research in Venezuela: C. V. Kidd ................................ 727

NEWS AND COMMENT
The Big Accelerator: Agitation throughout the Country—PHS:
Surgeon General Resigns—FDA versus Fountain: Dispute over Drug Data .. 730

BOOK REVIEWS
Regional Traditions and Social Patterns: E. M. Bruner .......................... 736

Biological Rhythms, reviewed by E. Reeker; other reviews by W. G. Berl,
R. W. Cottle, N. D. Newell, Th. Dobzhansky, G. J. Janz, J. E. McDonald,
S. Klein; New Books; Miscellaneous Publications ............................... 736

REPORTS
Pliocene-Pleistocene Boundary, Northern Gulf of Mexico: W. H. Akers .......... 741

Ureyite, NaCrSi2O6; A New Meteoritic Pyroxene: C. Frondel and C. Klein, Jr. .... 742
Subbottom Profile of Abyssal Sediments in the Central Equatorial Pacific:  
G. R. Heath and T. C. Moore, Jr. ........................................ 744

Room Temperature Slip in Titanium Diboride Produced by High Pressure:  
F. W. Vahlidie, S. A. Mersol, C. T. Lynch .............................. 747

Metabolism of Iodine-131-Labeled Thyroxine-Binding Prealbumin in Man:  
J. H. Oppenheimer et al. ........................................... 748

Immunization against Rauscher Mouse Leukemia with Tissue Culture Material:  
G. Barski and J. K. Youn ............................................ 751

Kidney Homografts: Uptake of Fluorochrome-Labeled Tissue Extracts by  
Lymph Node Cells: J. L. Tong, D. Boone, B. Badgett .................... 753

Adenovirus-Associated Defective Virus Particles: R. W. Atchison, B. C. Casto,  
W. McD. Hammon .................................................................. 754

Isoenzymic Specificity of Impaired Clearance in Mice Infected with Riley Virus:  
B. W. J. Mahy and K. E. K. Rowson .................................... 756

Transformation by Rous Sarcoma Virus: A Requirement for DNA Synthesis:  
J. P. Bader ........................................................................ 757

Unique Sterol in the Ecology and Nutrition of Drosophila pachea:  
W. B. Heed and H. W. Kircher ........................................ 758

Background and Evoked Activity in the Auditory Pathway: Effects of  
Noise-Shock Pairing: D. Galin ......................................... 761

Comments on Reports: Lactate Dehydrogenases in Trout: G. R. Bouck; Eatometer:  
P. B. Porter; D. Fallon; Convection Plumes from Trees: D. B. Ward and  
J. Beckner; R. Hackman .................................................... 763

MEETINGS  
Thermal Analysis: B. R. Currell; Air-Sea Interface: R. L. Snyder; Forthcoming  
Events ................................................................. 765

COVER
Convection on a grand scale. This photograph permits one to see the outcome of rain formation processes  
that extend from the ice crystal levels of the upper troposphere down to the  
ground. At the uppermost level a plume cloud, usually associated with thunderstorm formation, can still be  
seen even though the cloud mass has begun to lose its characteristic cumuliform. The photograph strikingly  
illustrates the torrential downpour of rain in the downdraft region characteristic of large cumulonimbus clouds.  
See review of Weather, page 739. [Pierre Boulat, LIFE®, Time, Inc.]