LETTERS
Reversibility of Psychiatric Diagnoses: U. Neisser; Agricultural Research:
T. C. Tso; E. A. Brams; Thunderstorm Activity: B. Vonnegut; The Laboratory
Frog: M. B. Enmon; The Born-Einstein Letters: M. A. Bredig; The Fudge
Factor: G. McHugh; H. L. Armstrong; A. H. Boulbee; R. S. Westfall;
Effects of Marijuana Use: C. J. Schwarz; J. Kaplan; Source of PCB's:
G. R. Harvey; Psychosurgery: J. G. Zoll; Trans-Science and Responsibility:
I. D. J. Bross; A. M. Weinberg

EDITORIAL
Importation of Petroleum

ARTICLES
Unexpected Symmetries in the "World Knot": G. G. Globus
Admixture Studies and the Detection of Selection: J. Adams and R. H. Ward
Racial Aspects of Zero Population Growth: E. B. Attah

NEWS AND COMMENT
Science in Mexico (I): The Revolution Seeks a New Ally
Computer for Watergate Probe
Energy: Shortages Loom, but Conservation Lags
Watergate Fallout: Administration Quakes, Science Sneezes

RESEARCH NEWS
Influenza (II): A Persistent Disease May Yield to New Vaccines
Gravity Waves: Correlation with Geomagnetic Storms

BOOK REVIEWS
Biogeography and Ecology in Madagascar, reviewed by G. G. Simpson; Tundra Biome,
B. F. Chabot; Meteorites and Their Origins, B. Mason; Functional Anatomy
of Marine Mammals, D. K. Odell

REPORTS
Water Vapor from a Lunar Breccia: Implications for Evolving Planetary Atmospheres:
D. A. Cadenhead and W. G. Buergel
Fine Particles Produced from Automotive Emissions-Control Catalysts:
W. D. Balgord
Polarization: A Key to an Airborne Optical System for the Detection of Oil on Water: 
J. P. Millard and J. C. Arvesen ........................................ 1170
Horizontal Bands in the Belousov Reaction: N. Kopell and L. N. Howard ............ 1171
Al-Khwarizmi: A New-Found Basin on the Lunar Far Side: F. El-Baz .................. 1173
Remote Radar Sensing: Atmospheric Structure and Insects: J. H. Richter et al. ... 1176
Intracellular Recordings from Single Rods and Cones in the Mudpuppy Retina: 
G. L. Pain and J. E. Dowling ........................................... 1178
Enzyme Release from Polymorphonuclear Leukocyte Lysosomes: Regulation by 
Autonomic Drugs and Cyclic Nucleotides: L. J. Ignarro and C. Colombo ......... 1181
Complement-Induced Platelet Protein Alterations: T. S. Zimmerman and 
H. J. Müller-Eberhard ..................................................... 1183
Development of Rabbit Visual Cortex: Late Appearance of a Class of Receptive 
Fields: P. Grobstein et al. ................................................ 1185
Synthesis of the Pyrrole Porphobilinogen by Sepharose-Linked 8-Aminolevulinic 
Acid Dehydratase: D. Gurne and D. Shemin ................................ 1188
Antibodies to a Precursor of Human Collagen: C. J. Sherr and B. Goldberg ........ 1190
Hormonal Control of Sexual Morphogenesis in Achlya: Dependence on Protein and 
Ribonucleic Acid Syntheses: B. E. Kane, Jr., J. B. Reiskind, J. T. Mullins ....... 1192
Masking in Visual Recognition: Effects of Two-Dimensional Filtered Noise: 
L. D. Harmon and B. Julesz .............................................. 1194
Temperature-Sensitive Pawns: Conditional Behavioral Mutants of Paramecium 
aurelia: S.-Y. Chang and C. Kung ........................................ 1197
Retrograde Amnesia and the “Reminder Effect”: An Alternative Interpretation: 
P. E. Gold et al. .................................................................. 1199
Pain Perception: Modification of Threshold of Intolerance and Cortical Potentials 
by Cutaneous Stimulation: R. Satran and M. N. Goldstein ......................... 1201
Kitten Visual Cortex: Short-Term, Stimulus-Induced Changes in Connectivity: 
J. Pettigrew, C. Olson, H. B. Barlow ....................................... 1202

MEETINGS
Forthcoming Events ................................................................ 1204

COVER
Computer processed block pictures reveal existence of two-dimensional spatial frequency analysis in vision. 
Block-averaged portrait at top is perceived more readily if middle and high frequencies are removed by 
blurring. Selective removal of high frequencies alone, as at lower left, leads to little improvement. But selective 
removal only of frequencies immediately above original portrait’s spectrum, as at lower right, is more 
effective. See page 1194. [L. D. Harmon and B. Julesz, Bell Laboratories, Murray Hill, New Jersey]