LETTERS

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
Fine Particles Produced from Automotive Emissions-Control Catalysts: W. D. Balgord ..................................

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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. Fain 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 δ-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
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: F. E. Gold et al. ........................................ 1199

MEETINGS

Photoalteration of Pesticides: Summary of Workshop: R. Rabson and J. R. Plimmer; 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 only, as at lower left, leads to little improvement. But selective removal 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]