LETTERS
Costs and Benefits of Recombinant DNA Research: F. J. Dyson; J. Weizenbaum; Circadian Rhythms: P. Kanciruk; J. W. Lang; Clinical Lab Standards: W. L. Bostick

EDITORIAL
Supporting Society Journals

ARTICLES
Reactions of Oriented Molecules: P. R. Brooks
Chirality in Chemistry: V. Prelog
Plant Defense Guilds: P. R. Atsatt and D. J. O'Dowd

NEWS AND COMMENT
Teton Dam Collapse: Was It a Predictable Disaster?
Kennedy Hearings: Year-Long Probe of Biomedical Research Begins
Science Adviser: Four GOP Senators Seek to Block Nomination of Stever

RESEARCH NEWS
Fusion Research (II): Detailed Reactor Studies Identify More Problems

AAAS NEWS
AAAS Selects Congressional Science Fellows for Fourth Consecutive Year: R. A. Scribner and M. C. Dolan; AAAS Selects 1976 Mass Media Interns; Do You Need Information on Salaries for Scientists, Engineers, and Technicians?; Reminder: West African Science Association Conference; Notes from Other Offices; New Publications

BOOK REVIEWS
R. J. Wassersug; Gamete Competition in Plants and Animals.
J. P. Mascarenhas; Ion Transport in Plant Cells and Tissues. E. Epstein;
Books Received ................................................. 43

REPORTS

How Old Are the Eukaryotes?: J. W. Schopf and D. Z. Oehler ............... 47

Time-Resolved Spectroscopy of Hemoglobin and Its Complexes with
Subpicosecond Optical Pulses: C. V. Shank, E. P. Ippen, R. Bersohn ........ 50

Valid Climatological Data from Historical Sources by Content Analysis:
D. W. Moodie and A. J. W. Catchpole .................................. 51

Expression of C4 on Human Lymphoid Cells and Possible Involvement in Immune
Recognition Phenomena: S. Ferrone, M. A. Pellegrino, N. R. Cooper .......... 53

Drinking Water and Cancer Mortality in Louisiana: T. Page, R. H. Harris,
S. S. Epstein ......................................................... 55

Barium in Southern California Coastal Waters: A Potential Indicator of Marine
Drilling Contamination: T. J. Chow ...................................... 57

Ethanol-Induced Depletion of Cerebellar Guanosine 3',5'-Cyclic Monophosphate:
J. D. Redos, G. N. Catravas, W. A. Hunt .................................. 58

Enhanced Template Activity in Chromatin from Adrenal Medulla after
Phosphorylation of Chromosomal Proteins: D. M. Chuang, R. Hollenbeck,
E. Costa ............................................................ 60

Cross-Linking of DNA in situ as a Probe for Chromatin Structure: C. V. Hanson,
C. J. Shen, J. E. Hearst .................................................. 62

Karyotype Conservation and Difference in DNA Amount in Anguillid Fishes:
E. H. Park and Y. S. Kang ............................................. 64

(+)-a-(N-I-Phenethyl)Urea Stereospecifically Inhibits Ca2+- but Not ADP-
Stimulated Mitochondrial Respiration: F. Davidoff, D. Haas, D. Bertolini ..... 66

Thermal Polyamino Acids: Synthesis at Less Than 100°C: D. L. Rohlffing .... 68

Isolation of a Cartilage Factor That Inhibits Tumor Neovascularization:
R. Langer et al ....................................................... 70

Technical Comments: Conditioning of Pleurobranchae: R. M. Lee; G. J. Mpitoss;
Of Stress, Vitamin A, and Tumors: E. Seifler; M. H. Cohen; V. Riley ........ 72