Editorial
Some Coffee and Sandwiches? ........................................... 231

Articles
Strengthening the Behavioral Sciences .................................... 233
The Behavioral Sciences Subpanel of the President's Science Advisory Committee surveys the underlying needs and recommends action to meet them.

Dating of Fossil Bones by the Fluorine Method: D. McConnell ............... 241
Fluorine analysis by indirect methods is not a reliable means of determining age.

News and Comment
Atomic power plants . . . Notes on space ..................................... 244

Book Reviews
R. Calder's After the Seventh Day, reviewed by R. W. Ehrich; other reviews .......................... 250

Reports
Celsius versus Centigrade: The Nomenclature of the Temperature Scale of Science: H. F. Stimson ........................................... 254

Reversibility of the Reinforcement Relation: D. Premack ...................... 255

Enhancement of Cesium-137 Excretion by Rats Treated with Acetazolamide: B. V. Rama Sastry and M. T. Bush ............................ 257

Double Visual Learning in Split-Brain Monkeys: C. B. Trevarthen ............ 258

Early Experience and Sexual Behavior in the Domestic Chicken: R. Bambridge .................................................. 259

Alimentary Responses Evoked from Forebrain Structures in Macaca mulatta: B. W. Robinson and M. Mishkin ................................ 260

Reflexive Selection: A Possible Answer to an Old Puzzle: G. B. Moment .... 262

Transpiration Rate Reduction in Plants with Atrazine: D. Smith and K. P. Buchholtz ........................ 263

Peach Mesocarp Explant Enlargement and Callus Production in vitro: N. F. Sommer, M. V. Bradley, M. T. Creasy ................................ 264

Tumor Formation in Interspecific Hybrids of Lilium: S. L. Emsweller, S. Asen, J. Uhring ......................................................... 266

Departments
Seaweed Symposium; Forthcoming Events ..................................... 267

Cover
"Hachinosu-iwa" or bee-hive rock, formed by wave and wind erosion of Paleocene sandstone on Cape Minokoshi, Shikoku District, Japan. Strong winds blow from Siberia in winter, especially from January through March. [Shumso Ishihara, Golden, Colo.]