LETTERS
Evolution and the Fossil Record: D. M. Raup; Achievements in Social Science: M. N. Richter, Jr., W. C. Stokoe, E. A. Hammel; Creationism, the Random Hypothesis, and Experiments: S. W. Fox; Strategic Stripes?: A. M. Aronow; Authorship Questions: H. E. Yuker. 289

EDITORIAL
Abortion and the Limitations of Science: B. G. Zack 291

ARTICLES
Dissections and Reconstructions of Genes and Chromosomes: P. Berg. 296
Warburg Effect Revisited: Merger of Biochemistry and Molecular Biology: E. Racker and M. Spector. 303
Participation of Soviet Scientists in International Conferences: E. L. Goldwasser and F. E. Low. 307

NEWS AND COMMENT
Waiting for the Einstein Papers. 309
Briefing: Reconciliation Action No Love Feast for NSF; Polish Scientists Form New Society; Israeli Denied Visa for Conference in India; Solar Power Satellite Research Called Premature. 312
Offshore Drilling Safety Questioned. 314
NIOSH Under Siege. 315

RESEARCH NEWS
Lamarck Will Not Lie Down. 316
Evoked Potentials: Evoked Potentials for Monitoring Surgery; Testing Babies for Neurological Problems; BEAM Sheds Light on Brain Disorders; Question Marks for SIDS Test. 322

BOOK REVIEWS
Vicariance Biogeography, reviewed by E. C. Pielou; Quarks and Leptons, W. J. Marciano; Interferon and Interferon Inducers, R. M. Friedman; Genetic and Environmental Factors in Experimental and Human Cancer, H. C. Pitot; Extinction, T. E. Lovejoy; Books Received. 324

Holocene Sea-Level Curves for Santa Monica Shelf, California Continental Borderland: T. R. Nardin et al.

Riftia pachyptila Jones: Observations on the Vestimentiferan Worm from the Galápagos Rift: M. L. Jones

Chemoautotrophic Potential of the Hydrothermal Vent Tube Worm, Riftia pachyptila Jones (Vestimentifera): H. Felbeck

Hydrothermal Vent Clam and Tube Worm ¹³C/¹²C: Further Evidence of Nonphotosynthetic Food Sources: G. H. Rau

Prokaryotic Cells in the Hydrothermal Vent Tube Worm Riftia pachyptila Jones: Possible Chemoautotrophic Symbionts: C. M. Cavanaugh et al.


Carcinogenicity in Mice of Mutagenic Compounds from a Tryptophan Pyrolyzate: N. Matsukura et al.

Primitive Hominid Canine from Tanzania: T. D. White

Bioppterin Cofactor Biosynthesis: Independent Regulation of GTP Cyclohydrolase in Adrenal Medulla and Cortex: O. H. Viveros et al.

Pancreatic Islet–Acinar Cell Interaction: Amylase Messenger RNA Levels Are Determined by Insulin: M. Korc et al.

Tonic Immobility Produces Hyperalgesia and Antagonizes Morphine Analgesia: M. D. Mauck et al.


Response Artifact in the Measurement of Neuroleptic-Induced Anhedonia: A. Ettenberg, G. F. Koob, F. E. Bloom

Bee Venom Enhances Guanylate Cyclase Activity: D. L. Vesely


Vibration Signal Transmission in Spider Orb Webs: W. M. Masters and H. Markl

Age at Menarche: A Misunderstanding: V. L. Bullough

Isolated tentacular lamella, including half of central axial support, of Riftia pachyptila Jones (dorsal to right). Each tentacle contains paired blood vessels with connecting intraepidermal capillary loops throughout their length. Up to 335 pairs of lamellae comprise the plume that protrudes from the vestimentiferan worm’s tube and forms an efficient exchange organ (Mallory’s Triple Stain; × 8.6). See page 333. [M. L. Jones, National Museum of Natural History, Smithsonian Institution, Washington, D.C.]