LETTERS
Women Engineers: T. Estrin; CONAES Energy Scenarios: B. I. Spinrad

EDITORIAL
Needed: Conviction to Match Our Science: L. M. Branscomb

ARTICLES
Focus on Polar Research: A. L. Washburn

Fossilized Viscera in Primitive Echinoderms: B. N. Haugh and B. M. Bell

Measuring the Societal Benefits of Innovation: J. G. Tewksbury, M. S. Crandall, W. E. Crane

NEWS AND COMMENT
Ma Bell Eyes New Markets

Biologist Is New Head of Kennedy Institute

Briefing: Law of Sea Conference Still in Deep Water; Helsinki Accords Review Includes Science Contacts; A Sentimental Trip Down Accelerator Lane

Panel Asks "When Is a Person Dead?"

Condor Flap in California

Consensus — More or Less — on the Pap Smear

RESEARCH NEWS
Improving the Success of Kidney Transplants

Separations by MS Speed Up, Simplify Analysis

BOOK REVIEWS
Shang Civilization, reviewed by F. Ikawa-Smith; Fisheries Ecology of Floodplain Rivers, T. M. Zaret; Alfred Wegener und die Drift der Kontinente, T. H. van Andel; Some Adaptations of Marsh-Nesting Blackbirds, P. R. Grant; Books Received

REPORTS
Sources of Continental Crust: Neodymium Isotope Evidence from the Sierra Nevada and Peninsular Ranges: D. J. DePaolo

Foraminifera: Distribution of Provinces in the Western North Atlantic: M. A. Buza and S. J. Culver

Detection, Pursuit, and Overgrowth of Tropical Gorgonians by Milleporid Hydrocorals: Perseus and Medusa Revisited: C. M. Wahl
Endocytotic Sucrose Uptake in Amoeba proteus Induced with the Calcium Ionophore A23187: R. D. Prusch 691
Atmospheric Water Uptake by an Atacama Desert Shrub: H. A. Mooney et al. 693
Cell-Free Synthesis of Acetylcholine Receptor Polypeptides: B. Mendez et al. 696
Viviparity and Intrauterine Feeding in a New Holocephalan Fish from the Lower Carboniferous of Montana: R. Lund 697
Estrogen and the Growth of Breast Cancer: New Evidence Suggests Indirect Action: S. M. Shafie 701
C-Glucuronidation of the Acetylenic Mioety of Ethchlorvynol in the Rabbit: C. R. Abolin et al. 703
Critical-Path Scheduling of Mental Processes in a Dual Task: R. Schweickert 704
Visually Induced Self-Motion Sensation Adapts Rapidly to Left-Right Visual Reversal: C. M. Oman, O. L. Bock, J. K. Huang 706
Ethanol Specifically Potentiates GABA-Mediated Neurotransmission in Feline Cerebral Cortex: J. N. Nestoros 708
Neuronal Loss in Hippocampus Induced by Prolonged Ethanol Consumption in Rats: D. W. Walker et al. 711
Do Corals Lie About Their Age? Some Demographic Consequences of Partial Mortality, Fission, and Fusion: T. P. Hughes and J. B. C. Jackson 733
Environmental Influences on Body Weight and Behavior in Developing Rats After Neonatal 6-Hydroxydopamine: D. E. Pearson et al. 715
Minimal Conditions for the Visual Detection of Structure and Motion in Three Dimensions: J. S. Lappin, J. F. Doner, B. L. Kottas 717

Greek pottery oinochoe (wine jug), late 6th century B.C. The person on the left appears to be a reveler; the one on the right plays a flute. Has mankind been attracted to alcohol because of its GABA-potentiating properties? See page 708. [Photograph by L. Lurie, permission of Petit Musée, Montreal, Canada]