CHEMISTRY.—The carotenoid pigments of the sweet potato (*Ipomoea batatas, Poir*). M. B. MATLACK 493

BOTANY.—The grass genus *Ca hestecum*. JASON R. SWALLEN 495

PALEOBOTANY.—GyroCarpus and other fossil plants from the Cumarebo field in Venezuela. EDWARD W. BERRY 501

PALEOBOTANY.—Further additions to some fossil floras of the western United States. ROLAND W. BROWN 506

ZOOLOGY.—The histology of nemic esophagi. VIII. The esophagus of representatives of the Enoplida. B. G. CHITWOOD and M. B. CHITWOOD 517

ENTOMOLOGY.—The beetles of the subfamily Chasmatomyrinae in the New World (Coleoptera: Scarabaeidae) LAWRENCE W. SAYLOR 531

PROCEEDINGS: THE ACADEMY 536

PROCEEDINGS: PHILOSOPHICAL SOCIETY 538

OBITUARY: LORD ERNEST RUTHERFORD 539

INDEX TO VOLUME 27 541