

## NUMBER 4

- Genesis and dynamics of basin compartments and seals  
*P. Ortoleva, Z. Al-Shaieb, and J. Pucketts* 345
- U-Pb ages of metarhyolites of the Catoctin and Mount Rogers  
 Formations, central and southern Appalachians: evidence for  
 two pulses of Iapetan rifting  
*John N. Aleinikoff, Robert E. Zartman, Marianne Walter,  
 Douglas W. Rankin, Peter T. Lyttle, and William C. Burton* 428
- Lines of basement uplifts within the external parts of orogenic  
 belts  
*John Rodgers* 455

## REVIEW

- Pre-Mesozoic geology in the Alps; edited by J. G. von Raumer and  
 Frank Neubauer  
*John Rodgers* 488-