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T A B L E O F C O N T E N T S

INVITED REVIEW ARTICLE

- 1731 **The earliest Cambrian record of animals and ocean geochemical change**
Adam C. Maloof, Susannah M. Porter, John L. Moore, Frank Ö. Dudas, Samuel A. Bowring, John A. Higgins, David A. Fike, and Michael P. Eddy

ENGINEERING GEOLOGY

- 1989 **Evaluation of halite dissolution at a radioactive waste disposal site, Andrews County, Texas**
Robert M. Holt and Dennis W. Powers

QUATERNARY GEOLOGY/GEOMORPHOLOGY

- 1775 **Sediment reservoirs at mountain stream confluences: Dynamics and effects of tributaries dominated by debris-flow and fluvial processes**
Stephen T. Lancaster, Emily F. Underwood, and W. Terry Frueh
- 1830 **A relict paleoseismic record of seven earthquakes between 2000 B.C. and 600 A.D. on the central North Anatolian fault at Elmacik, near Osmancik, Turkey**
J. Fraser, A. Hubert-Ferrari, K. Vanneste, S. Altinok, and I. Drab
- 1815 **How do pediments form?: A numerical modeling investigation with comparison to pediments in southern Arizona, USA**
Jon D. Pelletier

SEDIMENTARY GEOLOGY

- 1968 **A record of ancient cataclysm in modern sand: Shock microstructures in detrital minerals from the Vaal River, Vredefort Dome, South Africa**
Aaron J. Cavosie, Raiza R. Quintero, Henri A. Radovan, and Desmond E. Moser
- 1932 **Large-scale sedimentary recycling of tectonic mélange in a forearc setting: The Ionian basin (Oligocene–Quaternary, southern Italy)**
William Cavazza and Mirko Barone
- 2063 **Subduction complex uplift and exhumation and its influence on Maastrichtian forearc stratigraphy in the Great Valley Basin, northern San Joaquin Valley, California**
Christopher Mitchell, Stephan A. Graham, and David H. Suck
- 1899 **Detrital zircon geochronology of the western Ellesmerian clastic wedge, northwestern Canada: Insights on Arctic tectonics and the evolution of the northern Cordilleran miogeoclinal**
Luke P. Beranek, James K. Mortensen, Larry S. Lane, Tammy L. Allen, Tiffani A. Fraser, Thomas Hadlari, and Willem G. Zantvoort

GEOPHYSICS

- 1800 **Shallow subsurface structure of the Wasatch fault, Provo segment, Utah, from integrated compressional and shear-wave seismic reflection profiles with implications for fault structure and development**
John H. McBride, William J. Stephenson, Robert A. Williams, Jack K. Odum, David M. Worley, John V. South, A. Riley Brinkerhoff, R. William Keach, II, and Anita O. Okojie-Ayoro

GEOCHEMISTRY

- 1865 **The Malari leucogranite, Garhwal Himalaya, northern India: Chemistry, age, and tectonic implications**
Himanshu K. Sachan, Matthew J. Kohn, Anubhoofi Saxena, and Stacey L. Corrie
- 2020 **A Permian large igneous province in Tarim and Central Asian orogenic belt, NW China: Results of a ca. 275 Ma mantle plume?**
Chuan-Lin Zhang, Zheng-Xiang Li, Xian-Hua Li, Yi-Gang Xu, Gang Zhou, and Hai-Min Ye

ARCHEOLOGICAL GEOLOGY

- 1950 **Geochronology of the Bolson sand sheet, New Mexico and Texas, and its archaeological significance**
Stephen A. Hall, Myles R. Miller, and Ronald J. Goble

PALEOCLIMATOLOGY

- 1981 **Sub-Milankovitch solar forcing of past climates: Mid and late Holocene perspectives**
Samuli Helama, Marc Macias Fauria, Kari Mielikäinen, Mauri Timonen, and Matti Eronen

TECTONICS

- 2041 **Detrital zircon provenance from three turbidite depocenters of the Middle–Upper Triassic Songpan–Ganzi complex, central China: Record of collisional tectonics, erosional exhumation, and sediment production**
A.L. Weislogel, S.A. Graham, E.Z. Chang, J.L. Wooden, and G.E. Gehrels
- 1787 **Timing of ophiolite obduction in the Grampian orogen**
David M. Chew, J. Stephen Daly, Tomas Magna, Laurence M. Page, Christopher L. Kirkland, Martin J. Whitehouse, and Rebecca Lam

NEOTECTONICS

- 2079 **Rupture area and displacement of past Cascadia great earthquakes from coastal coseismic subsidence**
Lucinda J. Leonard, Claire A. Currie, Stéphane Mazzotti, and Roy D. Hyndman

STRUCTURAL GEOLOGY

- 1846 **The eastern foothills of the Eastern Cordillera of Colombia: An example of multiple factors controlling structural styles and active tectonics**
Andrés Mora, Mauricio Parra, Manfred R. Strecker, Edward R. Sobel, Gerold Zeilinger, Carlos Jaramillo, Silane Ferreira Da Silva, and Mauricio Blanco

PRECAMBRIAN GEOLOGY

- 1877 **New models for Paleoproterozoic orogenesis in the Cheyenne belt region: Evidence from the geology and U–Pb geochronology of the Big Creek Gneiss, southeastern Wyoming**
Daniel S. Jones, Arthur W. Snoke, Wayne R. Premo, and Kevin R. Chamberlain

TECTONOPHYSICS

- 1912 **Magmatic lobes as “snapshots” of magma chamber growth and evolution in large, composite batholiths: An example from the Tuolumne intrusion, Sierra Nevada, California**
Valbone Memeti, Scott Paterson, Jennifer Matzel, Roland Mundil, and David Okaya

STRATIGRAPHY

- 2005 **Magnetostratigraphy of the uppermost Triassic and lowermost Jurassic Moenave Formation, western United States: Correlation with strata in the United Kingdom, Morocco, Turkey, Italy, and eastern United States**
Linda L. Donohoo-Hurley, John W. Geissman, and Spencer G. Lucas

COMMENT

- 2097 **The Chiwaukum Structural Low: Cenozoic shortening of the central Cascade Range, Washington State, USA: Comment**
James E. Evans

REPLY

- 2103 **The Chiwaukum structural low: Cenozoic shortening of the central Cascade Range, Washington State, USA: Reply**
E.S. Cheney and N.W. Hayman

CLARIFICATION

2109

ERRATA

2109

AUTHOR INDEX

2110