

References 17 April 02

1. Anderson, W. B. (1975) Cooling history and uranium mineralization of the Buckshot Ignimbrite, Presidio and Jeff Davis counties, Texas. Unpub MA thesis, Univ Texas Austin
2. Arnold JE (1986) The petrology of the McKinney Hills, Big Bend National Park, Texas. Unpub MS thesis, Sul Ross State Univ
3. Barker, D. S., (1980) Cenozoic igneous rocks, Sierra Blanca area, Texas. New Mexico Geol Soc Guidebook, 31st Field Conference, 219-223
4. Barker, D. S. (1987) Tertiary alkaline magmatism in Trans-Pecos Texas. Geol Soc London Spec Publ 30: 415-431
5. Barker, D. S. (2000) Emplacement of a xenolith-rich sill, Lajitas, Texas. Jour Volc & Geothermal Research 104: 153-168
6. Barker, D. S., Henry, C.D., and McDowell, F. W. (1986) Pine Canyon caldera, Big Bend National Park: a mildly peralkaline magmatic system. p. 266-285 in Univ Texas Bur Econ Geology Guidebook 23
7. Barker, D.S., Long, L.E., Hoops, G. K., and Hodges, F.N. (1977) Petrology and Rb-Sr isotope geochemistry of intrusions in the Diablo Plateau, northern Trans-Pecos magmatic province, Texas and New Mexico. Geol. Soc. America Bull. 88: 1437-1446
8. Barnes, C. G., Ensenat, S. E., and Hoover, J. D. (1991) Mineralogy and geochemistry of Eocene intrusive rocks and their enclaves, El Paso area, Texas and New Mexico. Amer. Mineralogist 76: 1306-1318
9. Becker, S. W. (1976) Field relations and petrology of the Burro Mesa "Riebeckite" Rhyolite, Big Bend National Park, Texas. Unpub MS thesis, Univ California Santa Cruz
10. Bobeck, P. A. (1985) Igneous petrology and structural geology of Nine Point Mesa, Brewster County, Texas. Unpub M.A. thesis, Univ Texas Austin
11. Burt, E. R. III (1970) Petrology of the Mitchell Mesa Rhyolite, Trans-Pecos Texas. Unpub PhD dissertation, Univ Texas Austin
12. Cameron, K.L., and Cameron, M. (1986) Geochemistry of quartz-normative igneous rocks from the Chinati Mountains and Terlingua areas, West Texas: a comparison with Cenozoic volcanic rocks from Chihuahua and Baja California Sur, Mexico. p. 143-163 in Univ Texas Bur Econ Geology Guidebook 23
13. Cameron, K.L., Parker, D. F., and Sampson, D. E. (1996) Testing crustal melting models for the origin of flood rhyolites: A Nd-Sr-Pb isotopic study of the Tertiary Davis Mountains volcanic field, west Texas. Jour Geophys Research 101: 20407-20422
14. Cameron, M., Cameron, K. L., and Carman, M.F. Jr (1986) Alkaline rocks in the Terlingua-Big Bend area of Trans-Pecos Texas. p. 123-142, in Univ Texas Bur Econ Geology Guidebook 23

15. Carman, M. F. Jr. (1994) Mechanisms of differentiation in shallow mafic alkaline intrusions, as illustrated in the Big Bend area, western Texas. *J Volc Geothermal Research* 61: 1-44
16. Carman, M. F., Jr., Cameron, M., Gunn, B., Cameron, K.L., and Butler, J.C. (1975) Petrology of Rattlesnake Mountain Sill, Big Bend National Park, Texas. *Geol. Soc. America Bull* 86: 177-193
17. Cepeda, J. C. (1977) Geology and geochemistry of the igneous rocks of the Chinati Mountains, Presidio County, Texas. Unpub PhD diss, Univ Texas Austin
18. Chuchla, R. J. (1981) Reconnaissance geology of the Sierra Rica area, Chihuahua, Mexico. Unpub MA thesis, Univ Texas Austin
19. Dahl, D. A. (1984) Petrology and geochemistry of nepheline trachytes and phonolites in the Black Hills area, Brewster County, Trans-Pecos Texas. Unpub MS thesis, Texas Christian Univ
20. Dahl, D. A., and Lambert, D. D. (1986) Petrology of the Black Hills, Brewster County, Texas. p. 320-332 in Univ Texas Bur Econ Geology Guidebook 23
21. Elkins, R. G. (1986) Laccoliths of the Musquiz Canyon area, southern Davis Mountains, Trans-Pecos Texas. Unpub B.S. thesis, Baylor Univ.
22. Forsythe, L. M. (1991) Geochemistry of the Sierra Tinaja Pinta intrusion group. Unpub M.S. thesis, Sul Ross State Univ
23. Gunderson, R., Cameron, K, and Cameron, M. (1986) Mid-Cenozoic high-K calc-alkalic and alkalic volcanism in eastern Chihuahua, Mexico: Geology and geochemistry of the Benavides-Pozos area. *Geol.Soc. America Bull* 97: 737-753. GSA Data Depository Item #8613
24. Henry CD, Davis LL, Kunk MJ, McIntosh WC (1998) Tertiary volcanism of the Bofecillos Mountains and Big Bend Ranch State Park, Texas: revised stratigraphy and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. Univ Texas Bureau Econ Geol, Report of Investigations 253, 74p.
25. Henry CD, Kunk MJ, McIntosh WC (1994) $^{40}\text{Ar}/^{39}\text{Ar}$ chronology and volcanology of silicic volcanism in the Davis Mountains, Trans-Pecos Texas. *Geol Soc America Bull* 106: 1359-1376. GSA Data Depository Item #9442
26. Henry CD, Muehlberger WR, eds (1996) Geology of the Solitario Dome, Trans-Pecos Texas: Paleozoic, Mesozoic, and Cenozoic sedimentation, tectonism, and magmatism. Univ Texas Bureau Econ Geol, Report of Investigations 240.
27. Henry CD, Price JG (1986) The Van Horn Mountains caldera, Trans-Pecos Texas: geology and development of a small (10-km^2) ash-flow caldera. Univ Texas Bureau of Economic Geology, Report of Investigations 151, 46p.

28. Henry CD, Price JG, Duey TW, James EW (1992) Geology of the Infiernito caldera and magmatic evolution of the Chinati Mountains, Trans-Pecos Texas. Univ Texas Bureau Econ Geol, Report of Investigations 206.
29. Henry CD, Price JG, Miser DE (1989) Geology and Tertiary igneous activity of the Hen Egg Mountain and Christmas Mountains quadrangles, Big Bend region, Trans-Pecos Texas. Univ Texas Bureau Econ Geol, Report of Investigations 183
30. Henry CD, Price JG, Parker DF, and Wolff JA (1989) Mid-Tertiary silicic alkalic magmatism of Trans-Pecos Texas: rheomorphic tuffs and extensive silicic lavas. New Mexico Bur Mines & Mineral Resources Memoir 46: 231-274
31. Henry CD, Price JG, Rubin JN, and Laubach SE (1990) Case study of an extensive silicic lava: the Bracks Rhyolite, Trans-Pecos Texas. J Volc Geotherm Research 43: 113-132
32. Henry CD, Price JG, and Smyth RC (1988) Chemical and thermal zonation in a mildly alkaline magma system: Infiernito Caldera, Trans-Pecos Texas. Contrib Mineral Petrology 98: 194-211
33. Hill, L. E. (1985) Slickrock Mountain: bimodal intrusive complex, Big Bend National Park, Texas. Unpub M.S. thesis, Texas Tech Univ
34. Hill, L. E., and Barnes, C. G. (1987) Slickrock Mountain intrusive complex, Big Bend National Park, Texas. Geol Soc America Spec Paper 215: 305-316
35. Hoover, J. D., Ensenat, S. E., Barnes, C. G., and R. Dyer (1988) Early Trans-Pecos magmatism: petrology and geochemistry of Eocene intrusive rocks in the El Paso area. p. 109-118 in New Mexico Geol Soc Guidebook, 39th Field Conference
36. Irving, A. J., and Frey, F. A. (1984). Trace element abundances in megacrysts and their host basalts: constraints on partition coefficients and megacryst genesis. *Geochimica et Cosmochimica Acta* 48: 1201-1221
37. James, E. W., and Henry, C. D. (1991) Compositional changes in Trans-Pecos magmatism coincident with Cenozoic stress realignment. *Jour Geophys Research* 96: 13561-13575
38. Jungyusuk, N. (1977) Petrology of the Christmas Mountain s igneous rocks, Trans-Pecos Texas. Unpub MA thesis, Univ Texas Austin
39. Laughlin, A. W., Kress, V. C., Aldrich, M. J. (1982) K-Ar ages of dike rocks, Big Bend National Park, Texas. Isochron West 35: 17-18
40. Leverette M. (1989) The stratigraphy, petrography and geochemistry of volcanic rocks in the area of overlap between Paisano and Davis Mountain volcanic centers. Unpub MS thesis, Sul Ross State Univ
41. Lewis, P. S. (1978) Igneous petrology and strontium isotope geochemistry of the Christmas Mountains, Brewster County, Texas. Unpub MA thesis, Univ Texas Austin

42. Malek, D. J., and Lambert, D. D. (1986) Hypabyssal alkalic intrusions, Payne's Waterhole area, Terlingua, Texas. p. 333-339 in Univ Texas Bur Econ Geology Guidebook 23
43. Matthews, W. K. III, and Adams, J. A. S. (1986) Geochemistry, age, and structure of the Sierra Blanca and Finlay Mountain intrusions, Hudspeth County, Texas. p. 207-224 in Univ Texas Bur Econ Geology Guidebook 23
44. McCulloh, R. P. (1977) Geology of Yellow Hill Quadrangle, Brewster County, Texas. Unpub MA thesis, Univ Texas Austin
45. McDonough, W. F., and Nelson, D. O. (1984) Geochemical constraints on magma processes in a peralkaline system: The Paisano volcano, west Texas. *Geochim et Cosmochim Acta* 48: 2443-2455
46. McLemore, V.T., Lueth, V.W., Pease, T.M., and Guilinger, J. R. (1996) Petrology and mineral resources of the Wind Mountain laccolith, Cornudas Mountains, New Mexico and Texas. *Canad Mineralogist* 34: 335-347
47. Nelson, D.O., and Nelson, K. L. (1986) Supplementary road log: Alpine-Ft. Davis-Davis Mountain loop. W Tex Geol Soc Guidebook 86-82: 62-73
48. Nelson, D.O., Nelson, K. L., Reeves, K. D., and Mattison, G. D. (1987) Geochemistry of Tertiary alkaline rocks of the Eastern Trans-Pecos Magmatic Province, Texas. *Contrib Mineral Petrology* 97: 72-92
49. Nelson, D. O., and Schieffer, J. H. (1989) Ultramafic inclusions and megacrysts in mafic rocks of the Terlingua district, west Texas. P. 211-249, in Dickerson, P. W., Stevens, M. S., and Stevens, J. B., editors, *Geology of the Big Bend, and Trans-Pecos, (sic) Texas*. South Texas Geol Soc Field Trip Guidebook
50. Nelson, K. L., Collinsworth, B. D., and Bell, R. W. (1986) Determination of intraflow element variation in a thick flow of the Crossen Trachyte, west Texas. *Texas Jour Science* 38:71-80
51. Nelson, K. L., and Nelson, D. O. (1986) Magmatic evolution of the Van Horn Mountains caldera and comparison with alkaline magmatism in the eastern Trans-Pecos magmatic belt, west Texas. p. 164-177 in Univ Texas Bur Econ Geology Guidebook 23
52. Nelson, K. L., Nelson, D. O., Schucker, D. E., and Yew, L. (1989) Physical, trace elemental, and isotopic evidence for open-system evolution of alkaline igneous rocks, Big Bend National Park, Texas: the Bee Mountain Basalt and Government Spring laccolith: p. 157-175, in Dickerson, P. W., Stevens, M. S., and Stevens, J. B., editors, *Geology of the Big Bend, and Trans-Pecos, (sic) Texas*. South Texas Geol Soc Field Trip Guidebook
53. Parker, D. F. (1976) Petrology and eruptive history of an Oligocene trachytic shield volcano, near Alpine, Texas. Unpub PhD dissertation Univ Texas Austin

54. Parker, D. F. (1983) Origin of the trachyte-quartz trachyte-peralkalic rhyolite suite of the Oligocene Paisano volcano, Trans-Pecos Texas. *Geol Soc America Bull* 94: 614-629
55. Parker, D. F. (1986) Stratigraphic, structural, and petrologic development of the Buckhorn caldera, northern Davis Mountains, Trans-Pecos Texas. p. 286-302 in Univ Texas Bur Econ Geology Guidebook 23
56. Parker, D. F., Barker, D. S., Holt, G. S., and White, John C. (2000) Peralkalic rhyolite of the Davis Mountains and Big Bend areas, Texas. Guidebook, Field Trip 1, South-Central section, Geological Sociey of America, meeting, Fayetteville, Arkansas, 45 pp.
57. Parker, D.F., Tsuchiya, L. C., and McKnight, C. L., editors (1991) The Davis Mountains Volcanic Field, A guidebook for the Southwestern Association of Student Geological Societies Field Trip. Department of Geology, Baylor Univ, 61pp.
58. Potter, L. S. (1996) Chemical variation along strike in feldspathoidal rocks of the Eastern Alkalic Belt, Trans-Pecos magmatic province, Texas and New Mexico. *Canad Mineralogist* 34: 241-264
59. Price, J. G., Henry, C. D., Barker, D. S., and Rubin, J. N. (1986) Petrology of the Marble Canyon stock, Culberson County, Texas. p. 303-319 in Univ Texas Bur Econ Geology Guidebook 23
60. Price JG, Rubin JN, Henry CD, Pinkston TL, Tweedy SW, and Koppenaal DW (1990) Rare-metal enriched peraluminous rhyolites in a continental arc, Sierra Blanca area, Trans-Pecos Texas; chemical modification by vapor-phase crystallization. *Geol Soc America Spec Paper* 246: 103-120
61. Ross, M. L., and Lambert, D. D. (1986) Sawmill Mountain and adjacent intrusions, Brewster County, Texas. p. 340-352 in Univ Texas Bur Econ Geology Guidebook 23
62. Rubin, J. N., Henry, C. D., and Price, J. G. (1993) The mobility of zirconium and other “immobile” elements during hydrothermal alteration. *Chemical Geology* 110: 29-47
63. Schucker DE (1986) Geochemistry and petrogenesis of the mafic flow units within the Chisos Formation, Big Bend National Park, Texas. Unpub MS thesis, Sul Ross State Univ
64. Schucker DE, Nelson DO (1988) New potassium-argon dates of mafic rocks within Big Bend National Park, Texas. *Tex J Sci* 40: 71-78
65. Setter, J.R.D., and Adams, J.A.S.(1986) Petrology and geochemistry of the Quitman Mountains, Hudspeth County, Texas. p. 178-206 in Univ Texas Bur Econ Geology Guidebook 23
66. Stevens RK (1974) Igneous geology of Paisano mine area, Brewster County, Texas. Unpub M.S. thesis, West Texas State Univ

67. Tsai, Heng (1992) Rb-Sr isotope sysyematics of the Burro Mesa Rhyolite, Big Bend National Park, Texas. Unpub MA thesis, Univ Texas Austin
68. Twiss PC (1970) Cenozoic history of Rim Rock Country, Trans-Pecos Texas. p. 139-155 in Seewald KO, Sundein D, eds, The geologic framework of the Chihuahua tectonic belt. West Texas Geol Soc.
69. Urbanczyk KM (1987) Petrogenesis of the Rawls Formation, Bofecillos Mountains, Trans-Pecos Texas. Unpub MS thesis, Sul Ross State Univ
70. Vincent, J. A. (1988) Petrology and geochemistry of syenites of Sawtooth Mountain, Davis Mountains, Jeff Davis County, Texas. Unpub MS thesis, Texas Tech Univ
71. Ward, R. L. (1995) A geochemical and lead-oxygen isotope study of a trachyte to rhyolite dominated eruptive center, Davis Mountain Volcanic Field, Trans-Pecos volcanic province: evidence for fractional crystallization, magma mixing and crustal assimilation. Unpub MS thesis, Sul Ross State Univ
72. White, J. C., and Urbanczyk, K. M. (2001). Origin of a silica-oversaturated quartz-trachyte – rhyolite suite through combined crustal melting, magma mixing, and fractional crystallization: the Leyva Canyon volcano, Trans-Pecos Magmatic Province, Texas. *Journal of Volcanology and Geothermal Research* 111: 155-182
73. Yew, Lee Chong (1993) Petrology and geochemistry of the Government Spring Laccolith, Big Bend National Park, Texas. Unpub MS thesis, Sul Ross State Univ