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## Richard Esser

### PROFESSIONAL RESEARCH INTERESTS AND EXPERTISE –

- Laboratory Technician
- Isotope Geochemistry
- Argon Geochronology
- Volcanology
- Web Design

### PROFESSIONAL EXPERIENCE –

- Antarctica
- New Mexico

### EDUCATION –

- 1992 B.S. in Geology, Northland College
- 1996 M.S. in Geochemistry, New Mexico Institute of Mining and Technology 1981

### PUBLICATIONS –

- **Aster R.**, McIntosh W., Kyle P., Esser R., Bartel B., Dunbar N., Johns B., Johnson J., Karstens R., Kurnik C., McGowan M., McNamara S., Meertens C., Pauly B., Richmond M., and Ruiz M. (2004) Real-time data received from Mount Erebus Volcano, Antarctica. *Eos, Transactions, American Geophysical Union* 85(10), 97, 100-101.
- **Esser R. P.**, Kyle P. R., and McIntosh W. C. (2004)  $^{40}\text{Ar}/^{39}\text{Ar}$  dating of the eruptive history of Mount Erebus, Antarctica: Volcano evolution. *Bulletin of Volcanology* 66, no. 8(8), 671-686.
- **Harpel C. J.**, Caldwell D. A., Kyle P. R., Esser R. P., and McIntosh W. C. (2004)  $^{40}\text{Ar}/^{39}\text{Ar}$  dating of the eruptive history of Mount Erebus, Antarctica: Summit flows, tephra, and caldera collapse. *Bulletin of Volcanology* 66, no. 8(8), 687-702.
- **Jáansson L. K.**, Esser R., Gudmundsson M. T., Smellie J. L., and McIntosh W. C. (2005) Palaeomagnetic,  $^{40}\text{Ar}/^{39}\text{Ar}$ , and stratigraphical correlation of Miocene-Pliocene basalts in the Brandy Bay area, James Ross Island, Antarctica. *Antarctic Science* 17, no.3(3), 409-417.
- **Kristjánsson L.**, Gudmundsson M. T., Smellie J. L., McIntosh W. C., and Esser R. (2005) Palaeomagnetic,  $^{40}\text{Ar}/^{39}\text{Ar}$ , and stratigraphical correlation of Miocene-Pliocene basalts in the Brandy Bay area, James Ross Island, Antarctica. *Antarctic Science* 17(3), 409-417.
- **Panter K. S.**, Esser R., McIntosh W. C., Blusztajn J., Hart S. R., and Kyle P. R. (2006) The origin of HIMU in the SW Pacific: Evidence from intraplate volcanism in Southern New Zealand and Subantarctic Islands. *Journal of Petrology* 47, no.9(9), 1673-1704.
- **Siddoway C. S.**, Sass I. L. C., and Esser R. P. (2005) Kinematic history of western Marie Byrd Land, West Antarctica: Direct evidence from Cretaceous mafic dykes. *Geological Society Special Publication* no. 246(246), 417-438.
- **Smellie J. L.**, Fretwell P., McIntosh W. C., and Esser R. (2006) The Cape Purvis volcano, Dundee Island (northern Antarctic Peninsula): Late Pleistocene age, eruptive processes and implications for a glacial palaeoenvironment. *Antarctic Science* 18, no.3(3), 399-408.
- **Smellie J. L.**, McArthur J. M., McIntosh W. C., and Esser R. (2006) Late Neogene interglacial events in the James Ross Island region, northern Antarctic Peninsula, dated by  $^{40}\text{Ar}/^{39}\text{Ar}$  and Sr-isotope stratigraphy. *Palaeogeography, Palaeoclimatology, Palaeoecology* 242(3-4), 169-187.