

PUBLICATIONS (maiden name was Gwyneth A. Williams):

Peer Reviewed Articles:

- Dahl, T.W., Canfield, D.E., Rosing, M.T., Frei, R.E., **Gordon, G.W.**, Knoll, A.H. and Anbar, A.D. (submitted to *Geology*) Mo abundance and isotopic evidence for widespread anoxic and sulfidic oceans at ~750 Ma
- Beraldi-Campesi, H., Hartnett, H., Anbar, A., **Gordon, G.W.** and Garcia-Pichel, F. (accepted to *Geobiology*) Effect of biological soil crusts on soil elemental concentrations: implications for biogeochemistry and as traceable biosignatures of ancient life on land
- Ryb, U., Erel, Y., Matthews, A., Avni, Y., **Gordon, G.W.** and Anbar, A.D. (accepted pending revisions to *Geology*)
- Gordon, G.W.**, Rockman, M., Turekian, K.K. and Over, J. (in press at *American J. of Science*) Osmium isotopic evidence against an impact at the Frasnian-Famennian boundary
- Gordon, G.W.**, Lyons, T.W., Arnold, G.L., Roe, J., Sageman, B.B. and Anbar, A.D. (in press at *Geology* for June 2009) When Do Black Shales Tell Molybdenum Isotope Tales?
- Kendall, B., Creaser, R., **Gordon, G.W.** and Anbar, A.D. (in press at *Geochimica Cosmochimica Acta*) Re-Os and Mo Isotope Systematics of Black Shales from the Middle Proterozoic Velkerri and Wollgorang Formations, McArthur Basin, northern Australia DOI: 10.1016/j.gca.2009.02.013
- Severmann, S. Lyons, T.W., Anbar, A., McManus, J. and **Gordon, G.** (2008) Modern iron isotope perspective on the benthic iron shuttle and the redox evolution of ancient oceans *Geology* 36(6), 487-490, DOI: 10.1130/G24670A.1
- Weyer, S., Anbar, A.D., Gerdes, A., **Gordon, G.W.**, Algeo, T.J. and Boyle, E.A. (2008) Natural fractionation of $^{238}\text{U}/^{235}\text{U}$. *Earth Planet. Sci. Lett.* 72(2), 345-359, DOI: 10.1016/j.gca.2007.11.012
- Anbar, A. and **Gordon, G.** (2008) Redox Renaissance *Geology* 36(3), 271-272, DOI: 10.1130/focus032008.1
- Jones, A.K., Lichtenstein, B.R., Dutta, A., **Gordon, G.** and Dutton, P.L. (2007) Synthetic Hydrogenases: Incorporation of an Iron Carbonyl Thiolate into a Designed Peptide *J. Am. Chem. Soc.* 129, 14844-14845, DOI: 10.1021/ja075116a
- Anbar, A.D....**Gordon** (2007) A Whiff of Oxygen Before the Great Oxidation Event? *Science* 317: 1903-1906 DOI: 10.1126/science.1140325
- Wasylenki, L.E., Anbar, A.D., Liermann, L.J., Mathur, R., **Gordon, G.** and Brantley, S. (2007) Isotope fractionation during microbial metal uptake using MC-ICP-MS, *J. Anal. At. Spec.* 22(8), 905-910, DOI: 10.1039/b705476a
- Turekian, K.K., Sharma, M. and **Gordon, G.W.** (2007) The behavior of natural and anthropogenic osmium in the Hudson River-Long Island Sound estuarine system *Geochim. Cosmochim. Acta* 71, 4135-4140, DOI: 10.1016/j.gca.2007.05.020
- Carrigan, P.E., Hentz, J.G., **Williams, G.** Morgan, J.L., Raimondo, M., Anbar, A. and Miller, L.J. (2007) Distinctive heavy metal composition of pancreatic juice in patients with pancreatic carcinoma, *Cancer Epidemiology Biomarkers & Prevention* 16(12), 2656-2663

- Williams, G.A.** and Turekian, K.K. (2004) The glacial-interglacial variation in seawater Os isotopes as recorded in Santa Barbara Basin sediments, *Earth Planet. Sci. Lett.* **228**, 379-389
- Krishnaswami, S., **Williams, G.A.**, Graustein, W.C. and Turekian, K.K. (2004) The effect of weathering regime on uranium decay series and osmium in two soil profiles, *Geochem. J.* **38**, 651-660
- Williams, G.** and Turekian, K.K. (2002) The atmospheric supply of osmium to the oceans. *Geochim. Cosmochim. Acta*, **66**, 3789-3791
- Williams, G.**, Marcantonio, F. and Turekian, K.K. (1997) The behavior of natural and anthropogenic osmium in Long Island Sound, an urban estuary in the eastern U.S. *Earth Planet. Sci. Lett.* **148**, 341-347