

PUGS



Newsletter

Issue 1 Jan. 8, 2014

Upcoming PUGS Events

- Geosciences JP Oral Presentations
January 13, 2014 8 am - 5 pm
Guyot Hall

Upcoming Talks in the Geosciences Department

- Andrew Babbin (Princeton University)
January 9, 2014 12:30 - 1:30 pm
Guyot Hall Room 220

- Robert Aller (Stony Brook University)
February 4, 2014
Guyot Hall

- Nicholas van der Elst (LDEO)
February 7, 2014
Guyot Hall

Princeton Geosciences in Recent News

- Jorge Sarmiento, Daniel Sigman, and Frederik Simons are among the research scientists highlighted in the annual "Research at Princeton" magazine

- Jeroen Tromp granted 2014 INCITE Leadership Award for 2nd consecutive year

- History Channel features Gerta Keller on evidence of what caused the extinction of dinosaurs

Faculty Feature: Jorge Sarmiento

General Research Area: ocean biogeochemistry, the global carbon cycle & their responses to climate

Classes: GEO202: Ocean, Atmosphere & Climate, GEO578: Introduction to Chemical Oceanography

Current Research: the role of the Southern Ocean as a major carbon and heat sink & nutrient supply for biological production in low latitudes; the impact of global warming on primary production & fisheries

Life experience that started your path in a geosciences career: a 1971 summer field geology course in Colorado, taught by professors who never mentioned plate tectonics, and my subsequent discovery of it

Favorite research experience: the early 1990s breakthrough development of an ecosystem model by myself and my colleagues that could be used to predict the response of ocean biology to global warming

Favorite aspect of your job: exciting new ideas & being surrounded by great students, post-docs, and colleagues to generate and share them with

Best piece of advice for students: make the world a better place!



Undergrad Feature: Alan Southworth

Geoscience track: Ocean, Atmosphere & Climate

Senior Thesis topic: assessing the limitations of and improving upon current-day plant respiration models by taking into account light dependency of respiration

Favorite Princeton geosciences class:

GEO366: Scientific Basis & Policy Implications of Climate Change with Professor Oppenheimer

Favorite summer internship: PEI's The Food Project: Sustainable Urban Agriculture outside Boston, where I led youth in fieldwork & ran farmer's markets in inner city communities

Favorite geoscience-sponsored lecture: Susan Solomon's "Surprises in Radiative Processes: What Chemicals are Changing our Recent Climate"

Favorite aspect of the Geosciences department: the small size of the department, the closeness of all the members of the department

Possible career pursuits after Princeton: energy efficiency consulting, green building system design, smart grid technologies

Extracurricular activities and hobbies: singing with the Princeton Glee Club and the Nassoons, basketball, crosswords, piano



Contact PUGS President Charlotte Conner '14 (ceconner@princeton.edu) or Publicity Chair Kathleen Ryan '14 (kryan@princeton.edu) if you want to get involved with PUGS or get added to the PUGS email list!

WHAT IS PUGS? The Princeton Undergraduate Geosciences Society (PUGS) is a newly-formed student organization (2011) dedicated to promoting an appreciation for & awareness of Geology and Earth Sciences at Princeton University. We aim to foster a sense of community amongst undergrads interested in the Geosciences by organizing field trips to local museums & field localities; providing information about academic & professional career opportunities within the field; and creating venues for discussion of Earth Science through study breaks, majors dinners & speaker events.

Newsletter Editor: Joan Cannon '15