



PRINCETON UNIVERSITY
DEPARTMENT OF GEOSCIENCES
SENIOR THESIS (Class of '20)



- Roman Ackley** HOLOCENE CLIMATE CHANGE IN NORWAY: A MULTI-PROXY LACUSTRINE RECORD FROM PROGLACIAL LAKE KONGRESSVATNET
A. Rubin / F. Simons
- Samuel T. Bartusek** TURBULENT INFLUENCE ON THE TROPICAL TROPOPAUSE LAYER: GLOBAL CONVECTION-RESOLVING MODEL STUDY
S. Fueglistaler / G. Vecchi
- Udit Basu** ENVIRONMENTAL EFFECTS OF DECCAN VOLCANISM DURING THE LATE CRETACEOUS
G. Keller / B. Schoene
- Alexander Cavoli** SEED THEORY AND ENSO: EVALUATING THE DISTRIBUTION OF TROPICAL CYCLOGENESIS
G. Vecchi / S. Fueglistaler
- Kiley Coates** COMPOST CHEMISTRY: UTILIZING FOOD WASTE AS A SOIL AMENDMENT
S. Myneni / X. ZhanG
- Charles Copeland** DYNAMICS OF COUPLED SOIL MOISTURE AND PLANT CAPACITANCE SYSTEMS FROM DAILY TO INTERANNUAL SCALES
A. Porporato / S. Myneni
- Perrin Hagge** CA AND MG FRACTIONATION IN C3 AND C4 GRASSES AND THEIR IMPLICATIONS FOR RECONSTRUCTING PALEODIETS AND SERVING AS BIOSIGNATURES
J. Higgins / D. Sigman
- Polly Aviv Hochman** FINGERPRINTING LEAD IN TRENTON TAP WATER
J. Higgins / B. Schoene
- Liam O'Connor** PINPOINTING THE PROVENANCE OF DECCAN ZIRCONS?
B. Schoene / J. Higgins
- Calvin Rusley** EFFECT OF FE ADDITION AND OXYGEN EXPOSURE ON METHANE RELEASE FROM TEMPERATE WETLAND SOIL
X. Zhang / B. Ward



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Elizabeth Wallace

RETENTION AND LOSS OF FIXED NITROGEN IN A PACIFIC
OXYGEN MINIMUM ZONE

B. Ward / L. Resplandy

Laurie Zielinski

EVALUATION OF A PORTABLE SEQUENTIALLY SHIFTED
EXCITATION RAMAN SPECTROMETER FOR APPLICATIONS
IN ART AND ARCHAEOLOGY

T. Duffy / B. Schoene

Alex Cox (CEE)

DO THE morphologies OF EARTH'S MOST ANCIENT
FOSSILS RECORD INFORMATION ABOUT WATER DEPTH
AND THE ENVIRONMENT

A. Maloof / C. Peters