





**DEPARTMENT OF GEOSCIENCES**  
**JUNIOR PAPERS (Class of '05)**  
**SPRING 2003-2004**

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- Warren B. Caldwell**                      “Evaluating Ice Age Scale Climate Feedbacks by  
Correlating Orbital Forcing and the Climate  
Record Of the Last 420kyr”  
Advisor: G. Philander / M. Bender
- Matthew J. Cooper**                      “An Assessment of the Potential Impacts of Sea  
Level Rise on the New Jersey Coast”  
Advisor: M. Oppenheimer / G. van der Vink
- Taryn E. Haladay**                      “El Niño and Its Existence During the Mid-Holocene”  
Advisor: G. Philander / M. Bender
- Richard O. Lease**                      “The Low Angle Tuapeka Normal Fault in Gabriel’s Gully:  
Origin by Domino Rotation? Gabriel’s Gully, Otago,  
South Island, New Zealand”  
Advisor: J. Suppe / R. Sibson (Univ. of Otago)
- Margaret K. Prat**                      “Orthogneiss, the Borland Granite, and the Point Burn  
Sands: A Weathering Analysis in Eastern Fiordland, South  
Island, New Zealand”  
Advisor: L. Hollister / C. Martin (Univ. Of Otago)
- John P. Vermeylen**                      “Investigating Limestone Artifacts from the Barrier  
Beach of Mantoloking, NJ”  
Advisor: L. Hollister / R. Phinney
- Yinan Wang**                              “Multiple Spherule Layers in Northeastern Mexico”  
Advisor: G. Keller / L. Hollister
- Rachel J. Zwillinger**                      “Soil Chemistry of Iodine: A Literature Review  
And Research Proposal”  
Advisor: S. Myneni / S. Rich (Univ. of Capetown)