

**Department of Geological Sciences**  
**Independent Study Projects**

updated 6/30/09

<b><u>Faculty Advisor</u></b>	<b><u>Student</u></b>	<b><u>Year Graduated w/Honors</u></b>	<b><u>Thesis Title</u></b>
		19__/H	
<b>Byrne, T.</b>	Scott Kindred	1984	Accreted Franciscan terrane deformed by the San Andreas fault zone: an example of shearing in the upper crust, Point Delgado, California
	Kelly McCloskey	1985	Development and textures of scaly fabrics from Taiwan and Alaska
	Debbie Travis	1985	Importance of dislocation creep in deformation of the Purgatory Conglomerate, RI
	Paige Pegram	1986	C-axis fabrics in the Devonian Scituate Granite, RI
	Gordon Binkhorst	1987	Progressive vein formation in an accretionary complex, Kodiak Island, Alaska
	Thor Smith	1988	Structure of Pennsylvanian sediments in the Southern Narragansett Basin, RI
<b>Steve Clemens Res Assoc.</b>	Lorraine Nik	1995	A comparison of seasonal changes in lithogenic grain size and monsoon winds in the Central & Western Arabian Sea
<b>Cooper, R.</b>	Sara Papamarcos	2009	Changes in low-temperature thermal conductivity of H <sub>2</sub> O-MgSO <sub>4</sub> ices with percent composition as relevant to Europa
<b>Larry Crumpler Res. Assoc.</b>	Ben McBride	1994	Circum Chryse Valleys: Characterization of Nanedi Valles and Hypanis Valles, Mars
<b>Jeffery Donnelly</b>	Richard Hale	2006/H	The geomorphology of coastal ponds: a case study from Quicksand Pond, RI
	Brian Yellen	2006/H	Summer sediment transport in proglacial Lake Linne
	Stephanie LaRose	2007	Macroscopic charcoal as an indicator of fire during the Holocene at Rocky Pond, Massachusetts and its relation to climate
<b>Elkins-Tanton, L.</b>	Andrew Thorpe	2004	Evidence from experimental petrology for olivine addition in meimechite magma generation

	Jess Jewell	2004	An experimental study of meimichites: Evidence for shallow melting and subsequent olivine fractionation of the Siberian flood basalt
<b>Fischer, K.</b>	Mike Pasyanos	1991/H	Seismological constraints on subduction zone structure in Mexico & Central America
	Chad Nelson	1992	A three-dimensional model of river valley geology in Providence, RI: Implications for seismic hazards
	Erich Roth	1993	Three-dimensional simulation of seismic waves in the Providence Basin
	Zan Stine (w/EMP)	1996/H	Modeling strain-induced anisotropy in subduction zone back arcs
	Julie Zaslow	1996/H	Seismic constraints on the core-mantle boundary beneath the Pacific
	Colleen Dalton	2000/H	Refining images of the Farallon slab
	Peggy Welsh	2002	Shear wave splitting anisotropy across the mid-continental rift zone
	Justin Lewis	2002	3-D imaging with ground penetrating radar
	Ellen Syracuse	2003	Using the FLED array to determine crustal parameters
	Lindsey Doermann	2004	Continental anisotropy beneath FLED from shear-wave splitting
	Elliot Grunewald	2005/H	Intensity modeling of historical subduction earth quakes near Tokyo and catalog implications for long-term seismicity and moment release in the Kanto region
	Scott French	2007	High-resolution relative earthquake relocation of the August 2005 seismic sequence: Implications for mechanism of deformation in the Nicaraguan forearc
<b>Forsyth, D.</b>	Laura Kong	1983	Microearthquakes on the mid-Atlantic ridge near the Oceanographer Fracture Zone
	Brew Conant	1984	Gravity study of the bedrock surface in Barrington, RI
	Mike Wyssession	1984	Interactive computer graphics and analysis of shipboard gravity surveys
	Scott Stevens	1984	Seismic refraction in central RI

	John Goff	1985	Determination of seismic source parameters near an aseismic region of the Romanche Transform Fault
	Charles Weiland	1987	Seismic refraction study of Barrington aquifer
	Scott Anderson	1990	Estimating elastic thickness of the lithosphere with a new correlation technique
	Charles Weiland	1987	Seismic refraction study of Barrington Aquifer
	Scott Miller	1991	Pollution and groundwater flow: two and three dimensional modelling of a contaminated field in Needham, Mass.
	Brian West	1992/H	Evolution of plate boundary geometry on the southern mid-Atlantic ridge.
	Lee Silverman	1994/H	Viscoelastic response model for a layered earth with applications to Lake Bonneville deflections
	Allegra Hosford	1995/H	Recalculation of elastic plate thickness in the Basin and Range
	Karl Rittger	2002	Location and characterization of earthquakes in the GLIMPSE area of the Pacific
	Maria-Daphne Mangriotis	2002	Shear wave analysis and velocity structure of the Rocky Mountain area
	Andrea Llenos	2004	Rupture propagation on oceanic transform faults
	Rosalee Lamm	2003/H	P and S wave delay analysis of intraplate volcanic ridges in the South Pacific Ocean
<b>Giletti, B.</b>	Karen Katrinak	1984/H	Origins of Aleutian arc volcanics
	Ann Strom	1985	Magma evolution of the East African Rift system
	Howell Yee (ES)	1987	The geochemical cycle of Se in the tributaries of the Orinoco, Venezuela and lakes of Massachusetts
	Justin Casserly	1992/H	Kinetics of Sr tracer diffusion in labradorite
	Tim Shanahan	1994/H	Rubidium diffusion in albite feldspar
	Guy Chammas (ES)	1994/H	Microscale 3-D spatial variability of atrazine and chloride leaching in the soil

	Eric Franklin	1994	An anthropogenic input of trace metals to Seekonk River sediments, Providence, RI
	Frans Johansson (ES)	1995/H	The radial distribution of Cs-137 in trees
	Eugene Choi	1996	XRF analysis of RI soil chemistries: Major components and potentially pollutant trace metals
	Nicole Haakenson (w/J. Baird)	1996	Managing the environment: the viability of the Kettle Point, RI gasoline and fuel remediation project
	Tatiana Rynearson (w/ T. Webb)	1994/H	The relationship of depth and particle size to trace metal concentrations in a RI salt marsh
<b>Grieve, R.</b>	Jamie Lee	1983	Terrestrial impact events and geological/biological perturbations
	Rob Sullivan	1984	Analysis of banded terrain on Venus: character and origin
	Rob Edrington	1984	Morphometric analysis of Mare impact craters on the moon
	Pam Arya	1985	Morphometric analysis of highland impact craters on the moon
<b>Gromet, L.P.</b>	Brian Stewart	1983	Rare earth element partitioning in an equilibrated amphibolite: Implications for subsolidus REE re-equilibration in cumulate intrusives
	Hugh Hurlow	1984	The petrology of three granites in southern RI
	Rob Gailey	1985	A re-interpretation of the Blackstone series to the south of the Hope Valley shear zone termination, Carolina and Kingston Quadrangles, Rhode Island: Implications for thrusting to the southwest
	Scott Kellstedt	1987	Field and microscopic study of a late Acadian intrusive, East-Central Massachusetts
	Chris Grossi	1992	Structural analysis of foliations in granitic gneiss, Niantic, CT
	Ben Holtzman	1995/H	Field study of a tonalite intrusion and its tectonic constraints upon the arrival of a Cambrian ophiolite, WC Maine

	Elise Klarfeld	1995	Scanning electron microscope imaging studies of zircon and sphene
	Chuck Magee	1996/H	Ages of detrital zircons from the Blackstone group, Rhode Island: Insights into the history of the Esmond-Dedham terrane prior to ca. 620 Ma plutonism
	Vanessa Loeblich	2000	Laurentian provenance for detrital zircons of Sierra del Gigante quartzite, Argentina
	Joshua Schwartz	2000/H	Age determinations and provenance studies of detrital zircons from high-grade pelitic gneisses of the Sierras de Cordoba, Argentina: Implications for the evolution of the pre-Andean margin of Gondwana during the late Neoproterozoic-early Cambrian
	Gabriel Pilar	2002/H	An assessment of pluton emplacement mechanisms in fold and thrust environments using the anisotropy of magnetic susceptibility and regional magnetic susceptibility profiles
	Daniel King	2003/H	Late Paleozoic partial melting or magma emplacement? A field and petrographic study of high grade gneisses at Ft. Phoenix, MA
	Sarah Garlick	2003/H	Diffusion creep and partial melting in high temperature gneisses, Hope Valley Shear Zone, New England Appalachians
	Cate Fox-Lent	2005/H	Timing of injection and migmatization of the Massabesic Gneiss Complex, Raymond, N.H.
	Kathleen Cantner (w/D. Anderson)	2006	A geological evaluation of the provenance of Western Thule stone tools, Southern Brooks Range, Northwestern Alaska
<b>Head, J.</b>	Jiganesh Patel	2000/H	Topographic wavelengths of Ganymede groove lanes from Fourier analysis of Galileo images and a comparison to Europa
	Gil Ghatan	2003/H	Melting and retreat of a south circumpolar ice sheet on Mars
	David Shean	2004/H	The origin and evolution of cold-based tropical mountain glaciers on Mars: the Pavonis Mons fan-shaped deposit

	Lillian Ostrach	2007/H	Amazonian lobate debris aprons (LDA) in the mid latitudes of Mars: A comprehensive analysis of topography and morphology to assess the role of water ice in their formation and evolution
<b>Herbert, T.</b>	Debbie Thomas	1996/H	Correlation of UK-37 core-tops with measured sea surface temperatures
	Amy Trueba (w/JFM)	1996/H	Applications of reflectance spectroscopy to study deep-sea sediments
	Celia Day (w/D. Fastovsky URI)	1996	Dietary preference in terrestrial amniotes from the early and middle Jurassic: evidence for faunal change
	Josh Dembsky (w/W. Quevedo)	1996	Hydrothermal vents and the origin of life
	Devra Wexler (w/JFM)	1997	Visible and near-infrared spectroscopy of deep-sea cores
	Craig Tiballi	1998	Middle Cretaceous climate cycles
	Donna Thomas	1998	Controls on organic carbon and calcium carbonate contents of Holocene to glacial sediments
	Anna Porter	1998	Alkenone-based estimates of sea surface temperature change, Caraió coast, Venezuela
	Lynn Vaccaro	1999	Biogenic phosphorous and silica accumulation from present to the last glacial maximum, Baja California
	Joshua Bearman	2000	Reproducibility of alkenone and silica data across the Santa Barbara Basin
	Gerrit Bulman	2000/H	Orbital chronology in early Cretaceous sediments: near infrared spectrophotometric analysis reveals Milankovitch cyclicity
	Dan Kahn	2001/H	El Nino/ La Nina activity and its effect on the production of phytoplankton
	Jason Rauch	2003/H	Early cretaceous (~120Ma) Milankovitch cycles: dating the duration of the anoxic Selli event
	Jess Tierney	2004/H	Millennial-scale variability in bottom water anoxia on the Peru Margin
	Shiri Avnery	2004/H	Evidence of millennial-scale climate change in the Gulf Stream: Alkenone-derived sea

			surface temperature estimates from mid-Atlantic sediment cores
	Lindsey Albertson (w/M. Bertness)	2006/H	Seed bank composition in southern New England marshes: spatial and temporal variation
	Anna Mulligan	2006	Variation of sea surface temperatures and primary production in the east equatorial Atlantic (1.4-4.0 Ma)
	R. Scott Winton	2007/H	A record of sea surface temperatures and productivity at the Peru margin for the past 2,000 years
	Alice Alpert	2009/H	The role of atmospheric circulation in Northern Hemisphere Glaciation 5.5-2.0 Ma: quartz as an aeolian proxy in North Atlantic pelagic sediments
<b>Hermance, J.</b>	Rob Laudati	1985	Topographic effect of magnetic surveys for the Columbia Plateau
	Elizabeth Chambers	1987	Electromagnetic modelling of the response of 3-D basins
	Guy Adema	1995	The dependence of ground penetrating radar direct wave velocities on soil moisture
	Nikki Rouda	1996	A geophysical survey of the well field in Seekonk MA
	Alex Tyrrell	1996	Geophysical delineations of the unsaturated and capillary zones above an unconfined aquifer
<b>Hess, P.</b>	Craig Stevens	1984	Construction of a centrifuge for modelling melt segregation
	Steve Halus	1988	Crystal structures of alkali silicates
<b>Huang, Y.</b>	Kristy Pond	2001	Hydrogen isotopic fractionation during aerobic biodegradation of crude oil
	Cecily Chun	2002/H	Environmental controls on the hydrogen isotopic fractionation of algae
	Neeta Bijoor	2002/H	Pyrolysis-mass spectrometry in characterization of soil organic matter
	Zach Tessler	2004/H	Carbon and hydrogen isotope fractionation of petroleum hydrocarbons during engine combustion processes

	Marie Walcott	2004/H	Paleoclimate records in Ombrotrophic peat: n-alkane distribution and compound-specific delta D and delta 13C values as biomarkers
	Justin Bandy	2004/H	Reconstructing past climates in the Seward Peninsula from lipid compounds stored in tree rings
	Fatma Khatib	2005/H	Unsaturation indices of long-chain alkenones and newly discovered aldehydes: Regional climate recorded in West Greenland lake sediment
	Mena Ramos	2005/H	I. Ozonolysis of alkenones: Development of a new approach for D/H analysis. II. Structural determination of a novel series of mono-unsaturated aldehydes from Greenland lakes
	Andy Michelson	2005/H	Humidity recorded in acid leaf waxes: The effect of humidity on leaf wax hydrogen and carbon isotope ratios and chain length
	Nemiah Ladd	2006/H	dD analysis of alkenones and 2-heptacosanone: method development, validation, and potential applications
	Luke Parsons	2006/H	Abrupt climate changes and consequences ~8.2 ka as recorded in geochemical proxies from Rocky Pond, MA
	Sarah Wattle	2006	Isolation and structural elucidation of long-chain aldehydes and ketones in Greenland lake sediments
	Devina Swarup	2007/H	A high-resolution climate reconstruction of the past ~8000 years from a meromictic lake in SW Greenland
	Cassidy McKee	2007/H	Structures and chirality of the aliphatic components of the insoluble organic matter in carbonaceous chondrites
	Joshua Stern	2009/H	Sulfur-bound biomarkers of a Monterey shale and a Greenland lake sediment
<b>Imbrie, J.</b>	Julie Cole	1985	Evolution of planktonic forams: Data for evaluating modes of species evolution
	Peter Enzinger	1988	Changing predator-prey relations in fossil community from MD

<b>Liang, Y.</b>	Kevin Wheeler	2001/H	A laboratory study of crystal-melt interactions in partially molten CaO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> and olivine-Fe-Ni systems
	Shauna Edson	2005	Serpentinisation of ultramafic rocks: A spectroscopy and microprobe study
	Carla Thacker	2006/H	The stability of ilmenite and armalcolite during lunar cumulate mantel overturn
	Jesse Kass	2007/H	Temperature gradients caused by grain size variations across a dunite-harzburgite contact from the trinity ophiolite
<b>Matthews, R.</b>	Garth Klimchuck	1984	The petroleum potential of the Ouachita System of South-Central Texas
	Ben Flower	1985	Pliocene graphic correlation
	Tom Ramotowski	1987	Sea-surface temperature estimates using MgO/CaO ratios from the test calcite of the planktonic foraminifer <i>Globigerinoides Sacculifer</i> (Brady)
<b>David Murray (Res. Assoc.)</b>	Katherine Stanbury	1995	Influence of carbonate dissolution on the Late Pleistocene record of monsoon upwelling in the Northwest Arabian Sea
<b>Mustard, J.</b>	Eddie Gonzalez	1994	Relationship between soil moisture and satellite derived vegetation indices in Africa, 1986-1988
	Amy Trueba (w/TDH)	1996/H	An evaluation of reflectance spectroscopy to determine modal mineralogy of deep sea cores
	Andy Ballantine	1996/H	Response of arid regions to stochastic environmental stress
	Avigit Sen (ES) (w/Hamburg & WLP)	1996/H	Thermal properties of Mt. Hope Bay (R.I.) through time using remote sensing
	Devra Wexler (w/TDH)	1997	The use of a portable photospectrometer with a 350-2500 nm wavelength range for determining carbonate content of deep sea cores
	Genevieve Proctor	1997/H	Three-dimensional hydrodynamic modelling of the Mt. Hope Bay
	Liz Wolfe	1999	Effects of weather, tides and thermal effluent on the temperature structure of Mt. Hope Bay, RI

	Moses Rifkin	2001	Investigations of a global dissected mantle on Mars
	Rachel Harris	2002	Mapping vegetative response to fire in Owens Valley, CA using satellite remote sensing
	Liz Starin	2002	Remote sensing study of urban sprawl development in RI over the last 15 years
<b>Parmentier, M.</b>	Pam Wiseman	1983	Mechanisms for axial valley formation at slow-spreading mid-ocean ridges
	Sam Joffe	1984	Planetary rifting and the formation of bright terrain on Ganymede
	Tom Milnes	1984	Core formation in a convecting planet
	Lizanne Avon	1984	Gravity studies of aquifer thickness near the United Nuclear plant
	Mike Jones	1985	Lithosphere flexure at Hawaii due to thermal stresses
	Caleb Tower	1985	Analysis of gravity and bathymetry at the 95W propagating rift on the Galapagos spreading center
	Matt Solit	1988	Episodic spreading at mid-ocean ridges
	Barbara Bruno	1987	Volcanic structures on Venus
	Tom MacDonald	1989/H	A model for the high inside corner and nodal basins at ridge-transform intersections
	Mara Yale	1991/H	Thermal bending: a mechanism for the origin of the inside corner high and nodal deep at ridge-transform intersections?
	Michael Braun	1996/H	Entrainment in thermal plumes: numerical experiments and mantle dynamics
	Alexander Stine (w/KF)	1996/H	Models of mantle anisotropy at subduction zones
	Jordan Raddick	2000/H	Self-sustaining melting in terrestrial planets: numerical models and geological interpretations
	Amandine Cagnioncle	2003/H	Melt migration and interaction with the mantle at subduction zones
<b>Pieters, C.</b>	Eileen Bruckenthal	1984	Spectral properties of shocked feldspars
	Sue Smrekar	1984	Lunar impact melts: implications of near-IR spectra

	David Crown	1985	Spectral properties of pyroxene and plagioclase mixtures
	Jessica Sunshine	1988	Gaussian analyses of pyroxene spectra
	Zach Bortolot	1997	Spectral properties of rock-forming minerals and space conditions
<b>Prell, W.</b>	Brian Bellis	1983	The determination of hydraulic conductivity for different sediment size groups for the Pawcatuck River basin aquifer
	Ed Delhagen	1983	Sub-surface morphology and growth of the Hundred Acre Cove salt marsh
	Amy Feller	1983	The distribution of <sup>13</sup> C in the western Indian Ocean: interpretation and implications
	Andy Hendrickson	1983	The chloride content of groundwater in Barrington, RI as an indication of salt water intrusion
	Stew Mountain	1983	Geologic hydrologic considerations for landfill management in siting
	George Payne	1983	The seasonal succession in phytoplankton and zooplankton in Narragansett Bay and Hundred Acre Cove
	Debbie Frost	1984	The oceanography and geology of a coastal lagoon, Little Compton, RI
	Susan Hautala (Engin.)	1984	Analysis and modelling of coastal upwelling in the western Arabian Sea
	Bill Manley	1985	Physical factors in development of Hundred Acre Cove salt marsh
	Tish Yager	1985	Sediment distribution in Hundred Acre Cove
	Bob Zackin & Collin Roesler	1985 1985	Benthic foraminifera as a tool for reconstructing salt marsh evolution
	Nick Hastings & Greg Probst	1987 1987	Tidal flux in the Barrington River
	Rod Pendleton	1988	Sanitary landfills as a source of groundwater contamination: a case study of landfill #4 in Barrington, RI
	Mike Zani	1993/H	Sea surface temperature and biogenic productivity in the Gulf of California
	Charles Strauss	1996	Oceanography and phytoplankton ecology

	Joshua Nelson (Bio)	1996	of Hundred Acre Cove, Barrington River and its exchange with Narragansett Bay (group project)
	Bradford Fisher (Bio)	1996	
	Jennifer Cook	1993	Monsoonal wind fluctuations in the Western Arabian Sea during the Late Holocene
	Chris Starr	1993	Mass accumulation rates of terrigenous sediments in the Indian Ocean
	Katherine Jackson	1997	Metals in salt marsh and salt pond sediments: Hundred Acre Cove, Barrington, RI
	Nicholas Garrity	2000	Salt flux and stratification in a coastal pond: Prince Pond, Barrington, RI
	Kali Wallace	2001	Evidence for rapid changes in sedimentation rates on the northern margin of the South China Sea: Implications for tectonic and paleoclimatic changes
	Jessica Harwood (w/DM & C. Karp)	2002/H	Degradation of the coral reef ecosystem in the lagoon of Ifaty, Madagascar
	Carlos Rincon	2005/H	Environmental geochemistry of the Hundred Acre Cove estuary
	Jesse Farmer	2009/H	Evaluating the use of organic paleotemperature proxies in Narragansett Bay (W. Prell and T. Herbert)
	David Koweek	2009/H	Application of the chlorins productivity proxy towards a productivity history of Narragansett Bay
	Shane Schoepfer	2009	Stable isotopes of inorganic nitrogen nutrients in Narragansett Bay
<b>Russell, J.</b>	Marc Mayes	2009/H	Exploring multi-decadal to centennial scale climate variability at Lake Tanganyika, East Africa, 600-2000CE
<b>Rutherford, M.</b>	Kurt Leinenweber	1983	Plagioclase-melt equilibria for hydrothermal experiments on dacite
	Mark Nelson	1984	Major and minor element geochemistry and origin of alkali granite in northern RI
	Bruce Heine	1987	Experimental study of amphibole stability in SNC meteorite
	Jennifer Loomis	1987	Mt. St. Helens magma compositions – melt inclusions

	Eric Tohver	1995/H	Conditions and mechanisms of emplacement for a rhyolite cryptodome, Central Cascades, Washington
	Sarah Kim	1995/H	The petrology of Mt. Rainier pyroclastic eruption
	Brian Tonks	1996	Origin of lunar granites: an experimental study
	Caroline Palmer	1996/H	Experimental study of an alkali basalt dike composition as the source magma of the Red Hills Complex, NH
	Bethany Katz	1997/H	Magma ascent rates from plagioclase growth vs. hornblende breakdown: the Black Butte, CA example
	Liz Cottrell	1997/H	Conditions and magma dynamics in Santorini volcano prior to the Minoan eruption
	Nora Klein	1998/H	Explosive volcanism on the Moon: the nature of the gas phase from study of A17 high Ti basaltic glasses
	Kelly Maudslien	2001	P-T conditions & volatiles in the basalt magma of the 1991 Pinatubo volcanic eruption
	Jake Keeler	2003/H	Geothermometry and Geobarometry of the Red Hill Igneous Complex, NH: An Experimental Study"
	Mike Krawczynski	2005/H	Hydrous synthesis of aluminum bearing silicate perovskite: Implications for hydrogen storage in the lower mantle
	Linnea Sanderson	2006	The volcanics of Yucca Mountain
<b>Saal, A.</b>	Benjamin Friedman	2009/H	Volatile content of Apollo 15 Lunar volcanic glasses
<b>Schultz, P.</b>	John Simon	1985	Nature and characterization of the Mangala outflow channel on Mars
	Seth Posin	1986	Absolute dating of fresh lunar craters
	Ray Chung (Bio)		Early life on Mars
	Betsy Paisley	1987	Pedestal craters on Mars
	John VanNewkirk	1988	Origin of spiral pattern of Martian polar terrains

	Dave Crawford	1988	Impact generation of magnetic fields
	Noam Izenberg	1989/H	Dark-haloed craters on Mars: Origin and implications
	Tracy Porter	1990/H	Mechanisms for producing viscous-appearing flows from low viscosity lavas
	Andrew Hoppin	1994/H	Characterization of meteor crater ejecta from ground penetrating radar
	Catherine Dawson	1994	Impact-generated winds on Venus
	Rick Cusick	1994	Cyclic deposition of air fall debris on Mars
	Charlie Walton	1995	Non-intrusive modelling of impact crater structure using ground-penetrating radar
	Michael Richard	1995	A scenario for a Tunguska event over Providence
	Dan Paduano	2001	Impact origin for dark streaks on Mars
	Jonathan Salomon	2002	Alternative origins for the magnetic anomalies on Mars
	Lauren Brodsky	2005/H	Angular momentum transfer in oblique impacts
	Julie Komosinski	2005	The effects of pop culture on public perception of science: An examination of the influences of students knowledge, opinions and support level of scientific research.
<b>Tullis, J.</b>	Mary Garren	1983	The effect of mica on the experimental deformation of quartz aggregates
	Dave Bristol	1983	Deformation of the Dighton conglomerate near Attleboro, MA
	Marc Sanford	1985	Microstructures and preferred orientations in a quartzo-feldspathic mylonite from the Adirondacks, NY
	Allison Canning	1987	Strength anisotropy of quartz, as determined from experimental studies of amethyst single crystals and quartz-mica aggregates
	Rachel Bishop	1996	An experimentally determined piezometer for quartz
	Dan Rosenberg	1998	Erosional and depositional processes of ice sheets
	Meredith Reba	2002	Glacier motion: Why do glaciers surge?

	Winfield Wilson	2004	Strain in a mylonitized granite gneiss: An outcrop study of microstructures and deformation in the lower continental crust
	Adam Voiland	2005	Journalists covering science: The case of global warming
<b>Tullis, T.</b>	Bud Brooks	1983	Subcritical crack propagation in synthetic quartz and amorphous silica in the presence of surfactants using the double cantilever method
	Paul Ecker	1990	Contact area as a function of normal stress in marble
	Padrig McCarthy	1990	Sandbox model of accretionary wedge deformation
	Margaret Boettcher	1999	See-through, rotary shear friction experiments
	Tim Cook (w/JT)	2001	Detailed mapping of lateral and vertical facies changes in RI formation outcrop at Dodgeville, MA
<b>Webb, T.</b>	Gian Mangieri	1985	Stratigraphy of salt marshes in eastern Long Island
	Rick Toomey	1985	Late Pleistocene extinctions
	Beth Hellerstein	1985	Pollen stratigraphy from two cores in Hundred Acre Cove, Barrington, RI
	Stu Dalton	1985	Microwear in stone artifacts from archeological sites in Alaska
	Andres Aslan	1986	Vegetation history from Shaker Bog Reservoir: local and regional trends interpreted from pollen data
	Barbara Maling & Jim Karb	1986 1986	A sedimentological study of Cat Rock Pond, Westwood, MA
	Jeff Yuhas	1987	Hurricanes in southern New England
	Betsy Scharf	1987	McKurkey's Pond, Eastham, MA
	Jimmie Cho	1987	Size and shape measures of marine shells
	Matt Crenson	1990	Math of pollen-tree relationships
	Carolyn Viscosi (w/SG,Bio)	1990/H	The effect of <i>Yoldia limatula</i> on the resuspension and bioturbation of sediment

Matthew Carrano	1991/H	Mesozoic ungulate parallels: an examination of Hadrosaur morphology (Dinosauria:Ornithischis) with an evaluation of patterns of correlation between Hadrosaurs and ungulates.
Gabrielle Katz	1991	Four-dimensional modelling of vegetation changes in eastern North America
Katsumi Matsumoto	1992/H	Late Holocene vegetation changes in NW Madagascar
Kyle Young	1992	A method for estimating whether vegetation is in equilibrium with climate
Peter Killoran	1993/H	Holocene water-level variations in southern New England
Mel Waldorf	1993/H	Paleoenvironmental study of a post-glacial bog in SE Mass: A 12,000 year record
Adeline Wong	1993	Pollen representation of vegetation on a New England salt marsh
Dena Hyman	1993/H	CCM1 ice sheet sensitivity: how the addition of seasonality and interactive hydrology affect CCM1 responses to ice sheet height and area
Robert Summers	1994/H	Paleo vegetation maps derived from pollen data using plant functional types
Jon Kaye	1995/H	Sediment analysis and lake-level interpretation of Crooked Pond, Plymouth, Mass.
Jason Lynch	1995/H	Regional pollen stratigraphy of Crooked Pond, Plymouth, Mass.
Jason Mellerstig	1995	On Juneau Ice Field (exact title unknown)
Jen Dowling (w/J. Donnelly)	1997	Heavy metal stratigraphy in saltmarsh cores
Robert Elleman	1997	Analysis of global climate model CCM3 simulation of present climate
Neil Hausmann	1997/H	Pollen stratigraphic dating of hurricane overwash deposits
Linda Fan	1998	Pollen stratigraphic dating of a core from Succatash Salt Marsh
Chris Heppner	1998/H	Analysis of sediment records of overwash from Little Harbor in Wareham, MA

	Jen Stern	1998	Sand size fraction analysis of overwash deposits at Succatash Salt Marsh
	Sarah Bryant	1998/H	Plant macrofossil analysis from cores at Succatash Salt Marsh
	Jessica Butler	1999	Pollen stratigraphic dating of cores from a salt marsh
	Justine Owen	2000	1000 year sedimentary record from Little Sippewisset Marsh, MA
	Peter Cleary	2001/H	A high resolution sea-level curve from Barn Island, Southeastern Connecticut
	Bob Ettinger	2001/H	A thousand-year record of intense storms in Southeastern Connecticut
	Liz Thompson	2001	Updated lab exercises for Geological Sciences 31
	Elyse Scileppi (w/J. Donnelly)	2002/H	Sedimentary evidence of intense hurricane strikes in western Long Island, New York
	Matthew Mahoney	2003	Evidence of past hurricanes in the geologic record from Central New Jersey
<b>Whiteside, J.</b>	Jena Johnson	2009/H	Pleistocene-like orbital forcing of mid-Devonian ecosystems
	Marc Vankeuren	2009/H	Orbitally paced lake-level cycles in the Eocene Green River formation
<b>Yund, R.</b>	Jenny Hetrich	1984	Computer simulation of point group symmetry
	Julie Spencer	1987	Composition of plagioclase in the reaction Ca-rich plag=Na-rich plag & kyanite & grossularite & quartz
	Jennifer Peterson	1995/H	Evaluation of the grain boundary diffusion rate of Si using the reaction between anorthite and forsterite
	Cleo Salisbury	1997	The effect of H <sub>2</sub> O-CO <sub>2</sub> fluids on the pore morphology of quartz-calcite aggregates at 515-530°C and 1-2 kbar.
<b><u>Outside Department:</u></b>			
Anne Savage (Pop. Bio)	Wendy Derman	1993/H	Affiliative behavior of White-faced Sakis in relation to hormonal cycling of females
Steve Gaines (Bio)	Carolyn Viscosi	1990/H	The effect of Yoldia Limatula on the resuspension and bioturbation of sediment

Steve Gaines (Bio)	Natty Taylor	1994	Biogeographic boundaries and offshore transport in the California current: an evaluation of Punta Eugenia, Baja Mexico using the advanced Very High Resolution Radiometer
Steve Gaines (Bio)	Amy Doherty	1995/H	Historical distributions of eelgrass ( <i>Zostera marina</i> L.) in Narragansett Bay 1850-1995
D. Anderson (Anthro.)	Rebekah De Angelo	1996	Animal procurement and seasonality, a study of faunal remains from a prehistoric sod house in Northern Alaska
S. Gatesy (Bio)	Amanda Tyson	1997/H	The evolution of Theropod dinosaur tail flexibility
D. Fastovsky (Geo URI)	Celia Day	1996	Dietary preference in terrestrial amniotes in the early and middle Jurassic: evidence from faunal change
Hughes, J. (Bio)	Kate Maurer	2005/H	Above-ground and below-ground connections: Interactions between soil microbes and two Brassica species
Janis, C. (Bio)	Lauren Seckel	2005/H	Convergences in scapula morphology among small bounding mammals
Lavender, K. (Sea Education Assoc.)	Tsveta Krumova	2009	The relationship between heterotrophic bacteria and colored dissolved organic matter in the Eastern Pacific Ocean
Brown, P. (Sociology)	Molly Cohen	2009	Paper pushing, tree hugging and dividing loyalties: EPA workers' response to political and social climates