



THE SCHOOL FOR FIELD STUDIES

## **STUDENT DIRECTED RESEARCH PROJECTS**

Titles and Authors

Fall 2018

## Contents

<b>Australia: SFS Center for Rainforest Studies</b> .....	3
Principal Investigator: Catherine Pohlman, Ph.D. ....	3
Principal Investigator: Justus Kithiia, Ph.D. ....	3
Principal Investigator: Sigrid Heise-Pavlov, Ph.D. ....	3
<b>Bhutan: Center for Himalayan Environment and Development Studies</b> .....	4
Principal Investigator: Jesse Lewis, Ph.D.....	4
Principal Investigator: Kuenga Wangmo, Ph.D. ....	4
Principal Investigator: Purna Chhetri, Ph.D. ....	5
Principle Investigator: Nawang Norbu, Ph.D. ....	5
<b>Cambodia: SFS Center for Conservation and Development Studies</b> .....	6
Principal Investigator: Megan English, Ph.D. ....	6
Principal Investigator: Lisa Arensen, Ph.D. ....	6
<b>Costa Rica: SFS Center for Sustainable Development Studies</b> .....	7
Principal Investigator: Achim Häger, Ph.D. ....	7
Principal Investigator: J. Edgardo Arévalo, Ph.D. ....	7
Principal Investigator: Mary Little, LL.M. ....	8
<b>Panama: SFS Center for Tropical Island Biodiversity Studies</b> .....	9
Principal Investigator: Carolyn Kovacs, Ph.D. ....	9
Principal Investigator: Leon Mach, Ph.D. ....	9
Principal Investigator: Leonor Ceballos, M.Sc.....	9
<b>Peru: SFS Center for Amazon Studies</b> .....	10
Principal Investigator: Laura Morales, Ph.D. ....	10
Principal Investigator: Milena Cambroner, M.Sc.....	10
Principal Investigator: Rafael Mendoza, Ph.D. ....	10
<b>Tanzania: SFS Center for Wildlife Management Studies</b> .....	11
Principal Investigator: Christian Kiffner, Ph.D. ....	11
Principal Investigator: John Kioko, Ph.D. ....	11
Principal Investigator: John Mwamhanga, M.S. ....	12
<b>Turks and Caicos: SFS Center for Marine Resource Studies</b> .....	13
Principal Investigator: Franziska Elmer, Ph.D. ....	13
Principal Investigator: Paul Simonin, Ph.D. ....	13
Principal Investigator: Courtney Pickett, M.P.A .....	14
Index of Schools .....	15

## **Australia: SFS Center for Rainforest Studies**

The Centre for Rainforest Studies' Strategic Research Plan addresses the question: *How can the future of the Wet Tropics in a changing world be ensured?*

***Principal Investigator: Catherine Pohlman, Ph.D.***

**Gallery Rainforest Expansion into Long-Unburnt Savanna in Northeastern Queensland.** Emma Liddle [Grinnell College]; Lydia Soifer [Davidson College]; and Kailey Toia [Skidmore College]

***Principal Investigator: Justus Kithiia, Ph.D.***

**Climate Change Perceptions in the Wet Tropics: A Segmented Approach to Addressing Differing Beliefs.** Alyssa Campbell [Gonzaga University]; Olivia Ellman [Gill St. Bernards]; Julia Hall [The College of the Holy Cross]; Adrienne La Forte [Tufts University]; and Emily Popp [Skidmore College]

***Principal Investigator: Sigrid Heise-Pavlov, Ph.D.***

**A Methods-Based Approach to Monitoring Fauna in Rainforest Revegetation Sites.** Paige Baisley [Dickinson College]; Charlie Bassett [Denison University]; and Anneli Visnapuu [Santa Clara University]

## **Bhutan: SFS Center for Himalayan Environment and Development Studies**

The Center's central research question is: *How can Bhutan secure its culture, biodiversity, and environment in the face of transition?*

**Principal Investigator: Jesse Lewis, Ph.D.**

**An Aquatic Macroinvertebrate Health Assessment of the Wang Chhu Watershed in Western Bhutan.**

Andrea Kolarova [Duke University]

**Impact of River Velocity and Substrate Size on Macroinvertebrates in Bhutan.** Kinsey Warnock  
[Brandeis University]

**Investigating Bhutan's Sand Extraction Regulations and the Effect of Sand Extraction on the Ecological Status of the Pa Chhu and Haa Chhu Rivers.** Lena Martin [Colby College]

**Perceptions and Practices of Waste Management in Paro, Bhutan: An Analysis of Riparian Litter in the Wang Chhu Watershed.** Maria Fairchild [Carleton College]

**An Examination of the Effects of Domestic Dogs on Wild Ungulates Behavior in the Paro Valley, Bhutan.** Sarah Hibbs [Santa Clara University]

**The Effects of Slope and Aspect of Mammal Habitats on Opposing Ridgelines Above the Paro Valley, Bhutan.** Annie Blakslee [Bates College]

**Principal Investigator: Kuenga Wangmo, Ph.D.**

**Reflections on Research: Translations and Interpretations of Rice Self-Sufficiency in Bhutan.**

Emily Elder [Williams College]

**Rice Self-Sufficiency in the Field: *Bhutan's mandates may be sound, but how are they reflected in reality?*** Emma Levy [Williams College]

**Climate Change and Rice Self Sufficiency in the Paro Valley: A Perception Study of Farmers and Policy Makers.** Allison Miller [Dickinson College]

**The Future of 65% Rice Self-Sufficiency in Bhutan: Is it Necessary or Feasible?** Nora Wynn  
[Colorado College]

**Impacts of Agricultural Mechanization on Rural Women and the Traditional Division of Labor in Paro, Bhutan.** Isabel Yeoh [Brandeis University]

**Cultural Perceptions of Rice and Self-Sufficiency in the Paro Valley.** Hania Lincoln Lenderking [Colby College]

*Principal Investigator: Purna Chhetri, Ph.D.*

**Impact of Recent Forest Fires on Provisioning and Cultural Ecosystem Services in a Temperate Conifer Forest of Paro, Bhutan.** Erin Baggs [Johns Hopkins University]

**Plant Community Succession after a Fire in a Temperate Conifer Forest of Paro.** Sophia McLaughlin [Connecticut College]

**Impacts of Fires on Forest Potential Carbon Loss and Ecosystem Services in a Temperate Forest of Western Bhutan.** Waverly Lau [University of Massachusetts Amherst]

**Effects of Fire on Soils and its Micro-Organisms in a Temperate Conifer Forests at Paro.** Fiona Harrigian [Wellesley College]

**The Effectiveness of Forest Fire Regulations in Bhutan: A Case Study from Experiences of Recent Paro Fires.** Dylan Quinn [Brandeis University]

**Impact of Fire on Structure and Composition of the Temperate Conifer Forests of Western Bhutan.** Jamie Lindner [Reed College]

*Principal Investigator: Nawang Norbu, Ph.D.*

**Determining the Prevalence and Preference of Media Use among Bhutanese Youth and the Effect that it has on Cultural Strength.** Steven Blankenship [Point Loma Nazarene University]

**Responsible Consumption or Displaced Degradation? An Analysis of Carbon Negativity in Bhutan.** Amanda Eason [Santa Clara University]

**Perceptions and Awareness of Renewable Energy and Employment Options Between Two Age Groups.** Jessica Mooring [University of Massachusetts Amherst]

**Employment Interest and Perception in Paro Bhutan.** Samantha Kepes [University of Vermont]

**The ability of smallholdings to meet the needs and desires farmers in Paro, Bhutan.** Anne Trapp [Bates College]

## **Cambodia: SFS Center for Conservation and Development Studies**

The Center's central research question is: *How is Cambodia addressing pressing environmental concerns, especially those related to the conservation of biodiversity and the changing dynamics of rural livelihoods that depend on diminishing natural resources?*

### **Principal Investigator: Megan English, Ph.D.**

**The Human-Dog Interface of Monduliri Province, Cambodia: Welfare, Perceptions, and the Role of Dogs in Villages Surrounding Keo Seima Wildlife Sanctuary.** Salem Garner [Smith College]; Kim Frampton [University of Vermont]

**Preliminary taxonomic insect survey in Cambodia: *Heteroptera*, *Coleoptera Curculionidae*, *Coleoptera Carabidae*, and *Diptera Tabanidae*.** Lian Gamble [Whitman College]; Jesse Gross [Hamilton College]; Eva Paradiso [Wellesley College]

**Asian Elephants (*Elephas Maximus*) as Ecosystem Engineers: An Analysis of Invertebrates and Nutrients in the Decomposition of Asian Elephant Dung.** Larsen Schuster [Bates College]; Margot Flynn [Colorado College]

**The Problem with Parasites: Examining Parasite Loads, Treatment, and Transmission in Asian Elephants (*Elephas Maximus*).** Maggie O'Shea [Bates College]; August Graves [Occidental College]

### **Principal Investigator: Lisa Arensen, Ph.D.**

**An (un)Sustainable History: How the Bunong way of life has changed in the last century.** David Lilburn [Whitman College]

**Use, Availability, and Access regarding Non-Timber Forest Products in Three Bunong Villages in Keo Seima Wildlife Sanctuary in Eastern Cambodia.** Yuxi Xia [Wellesley College]

**Youthful Perceptions in Bunong Villages: Forest Resources and Spirits.** Sara Hansen [Reed College]

**Tales that Teach: An Analysis of Traditional Bunong Folktales in Cambodia.** Makenna Hutchinson [Salisbury University]

**Conflicts, Cultural Shifts, and Migration Strategies of Bunong Youth.** Kenneth Dizon [University of Wisconsin Madison]

**Perceived Knowledge and Awareness of Stakeholders Regarding Governance of the Bunong People in Keo Seima Wildlife Sanctuary in Cambodia.** Sophie J. Boardman [Dalhousie University (Canada)]

## **Costa Rica: SFS Center for Sustainable Development Studies**

The Center for Sustainable Development Studies' Strategic Research Plan addresses the question: *How can Costa Rica respond to local and global challenges while securing the functionality of its natural and human systems?*

**Principal Investigator: Achim Häger, Ph.D.**

**Agroforestry's effect on functional diversity and above ground carbon sequestration.** Allison Plummer [Saint Michael's College]

**The effect of species diversity and initial carbon on aboveground carbon sequestration.** Charissa Boniface [Gonzaga University]

**Functional diversity and soil carbon sequestration of coffee agroforestry in Costa Rica.** Gideon Paulsen-Sacks [University of Pittsburgh]

**Does coffee agroforestry conserve tree species diversity? Empirical evidence from Costa Rica.** Nick Collins [Denison University]

**Relationship between slope and soil organic carbon on tropical agroforestry coffee farms.** Nicole Czwakiel [Hamilton College]

**Species composition effects on soil organic carbon in Costa Rican coffee farms.** Sam Keegan [Drew University]

**Species diversity and soil organic carbon sequestration in agroforestry coffee farms.** Taylor Hoose [Allegheny College]

**Tree species composition and aboveground carbon sequestration in tropical coffee farms.** Trevor LaSalvia [George Washington University]

**Principal Investigator: J. Edgardo Arévalo, Ph.D.**

**Elevational gradients and avifaunal beta diversity in the Tilarán Mountains, Costa Rica.** Jarryd Michael Rauch [George Washington University]

**Avian species diversity analysis in a premontane wet rainforest, Costa Rica.** Kiley Voss [SUNY College of Environmental Science and Forestry]

**Avian feeding guild composition in two types of forests.** Hannah Kernan [Wellesley College]

**The vocalization variations of Gray-breasted Wood-wrens in two different forest types.** Jaime-Leigh Edghill [Dickinson College]

**Bioacoustic adaptations of *Catharus fuscater* in a transitional montane cloud forest.** Maxwell Carlson [University of St. Thomas - Minnesota]

**Post-ocular white patch of female *Heliodoxa jacula* does not signal body size.** Aika Mitchell [Simon Fraser University (Canada)]

**Resource availability and habitat selection of tent-making bats in Costa Rica.** Skyler Kriese [Santa Clara University]

***Principal Investigator: Mary Little, LL.M.***

**Examination of reservation system's impacts on Poás Volcano National Park's objectives.** Sadie Hennen [Lawrence University]

**Communication weaknesses and potential improvements following Poás Volcano National Park reopening.** Jessica Ostfeld [Wellesley College]

**An opportunity for Poás: creating an artisan economy.** Christina Sedall [Lawrence University]

**Agrotourism as a strategy for diversification in Poás, Costa Rica.** Evelyn Vivar [Wellesley College]

**Stakeholder involvement to address eruption-related decline in tourism in Poás, Costa Rica.** Daisy Montalvo [Gonzaga University]

**Starbucks and Their Influence in the Economic Changes in Poas.** Nicholas Chamberlin [Dickinson College]



## **Panama: SFS Center for Tropical Island Biodiversity Studies**

The Center's central research question is: *What is the status of key island systems, both natural and human, and what are the pressures that threaten the delicate balance of the island system?*

**Principal Investigator: Carolyn Kovacs, Ph.D.**

**The effect of tourism on movement and feeding behavior of *Oreaster reticulatus* in Bocas del Toro, Panamá.** Ellen Bradley [Gonzaga University]; Heather Luedke [Carleton College]; Miriam Stein [Swarthmore College]

**The change in biomass, abundance and feeding behaviour of *Oreaster reticulatus* at Playa Estrella in response to tourism.** Adam Converse [Clark University]; Brian Sands [Grinnell College]; Chris Malanuk [Davidson College]

**Principal Investigator: Leon Mach, Ph.D.**

**Sustaining Indigenous Tourism in Bocas del Toro, Panamá: An assessment of hotel management's perspectives on the local demand for Indigenous tourism products.** Olivia Lopez [University of Wisconsin Madison]; Rachel Gates [Barnard College]; Anastacia Furnari [Franklin & Marshall College]

**Principal Investigator: Leonor Ceballos, M.Sc**

**Exploring the biodiversity and ecosystem health of mangroves using indicator species, forest structure and function at Playa Estrella in Bocas del Toro, Panamá.** Sophia Fitzgerald [University of Denver]; Samuel Hamilton [University of Massachusetts Amherst]; Amanda Herzog [Elizabethtown College]; Jacob Johnson [Washington State University]; Ariel Patterson [Reed College]; Lillian Wessel [University of Maryland]

## Peru: SFS Center for Amazon Studies

The Center's central research question is: *What conditions are necessary for effective conservation and sustainable socioeconomic development in Peru?*

### *Principal Investigator: Laura Morales, Ph.D.*

**Soil properties across different land-uses in the Rio Itaya watershed (Loreto, Peru).** Eliza Amber [Oberlin College]; Henry Hurt [University of Richmond]; Molly Sayles [Oberlin College]

**Aboveground biomass and carbon storage capacities of a Western Amazonian primary and secondary growth forest.** Lindsay Finnell [Drake University]; Bailey J Nordin [Columbia University]

### *Principal Investigator: Milena Cambronero, M.Sc.*

**Social and ecological effects of paiche (*Arapaima gigas*) diet of fish farms along the Iquitos-Nauta road (Loreto, Peru).** Abigail Roeser [Bucknell University]; Samantha Stevens [Delaware Valley University]

**Evaluating water management systems of "paiche" (*Arapaima gigas*) farms along the Iquitos-Nauta road (Loreto, Peru).** Lucy Martin [Oberlin College]; Angelina Mendez [DePauw University]

**The expanding fish farming industry of "paiche" (*Arapaima gigas*) along the Iquitos-Nauta road (Loreto, Peru): causes and potential consequences.** Caroline Black [Mount Holyoke College]

### *Principal Investigator: Rafael Mendoza, Ph.D.*

**Waste management and local perspectives concerning trash and the environment along the Iquitos-Nauta Road, Peru.** Lauren Neher [Loyola University Chicago]; Abby Hirshman [Carleton College]

**Rural Amazonian perspectives on small-scale deforestation and conservation along the Iquitos-Nauta road in the Peruvian Amazon.** Anna Kate Belinski [Gonzaga University]; Anna Lockhart [Vassar College].

**The significance and relationship between trail development and land use for rural communities in the Iquitos-Nauta region in Loreto, Peru.** Hannah E Hutchinson [Seattle Pacific University]

## **Tanzania: SFS Center for Wildlife Management Studies**

The Center for Wildlife Management Studies' Strategic Research Plan addresses the question: *How can wildlife conservation and socio-economic conditions be enhanced in a changing socio-ecological system within the Tarangire-Manyara Ecosystem?*

**Principal Investigator: *Christian Kiffner, Ph.D.***

**Ecological Effectiveness of Protected Areas in Tarangire-Manyara Ecosystem, Northern Tanzania.** Lucie Cunningham [Colby College]; Francesca Spruiell [University of San Diego]

**Species richness and density in varying land use zones in Yaeda Valley, Tanzania.** Trent Foky [Whitman College]; Georgie Lellman [Kenyon College]; Sophia Love [Whitman College]

**Assessing Patterns of Crop Raiding and the Effectiveness of Beehive and Chili Fences to Prevent Elephant Intrusion in Rural Northern Tanzania.** Kiri Peirce [Williams College]; Olivia Sussman [University of Puget Sound]

**Long term population dynamics of wildlife and livestock in a multiple-use area in northern Tanzania.** Jack Baylis [Santa Clara University]; Sara Cotton [Vassar College]

**Assessing the Mammal Community of Tanzania's Kideru Mountain Ridge Using Camera Traps.** Riccardo Millar [Dickinson College]; Nicholas Wright [Vassar College]

**Evaluating the Conservation Effectiveness of the Burunge Wildlife Management Area.** Seth Thomas [Oregon State University]

**Principal Investigator: *John Kioko, Ph.D.***

**Influence of Knowledge and Awareness on Attitudes Towards Wildlife Conservation in Northern Tanzania.** Sierah Cain [Washington State University]

**Implications of social-economic costs and benefits of wildlife conservation in northern Tanzania.** Halee Mahoney [Mount Holyoke College]; Noor Farjo [The College of the Holy Cross]

**How Knowledge and Awareness of Protected Areas Influence Attitudes in Northern Tanzania.** Juliette Levy [Santa Clara University]

**Protected Areas and People: Attitudes and Support for Wildlife Conservation in Northern Tanzania.** Emma Dressel [University of Richmond]; Ashlyn Heniff [Purdue University]

**Factors influencing the interrelationships between local people and protected areas in northern Tanzania.** Abigail Kaija [Dickinson College]; Hannah Matthews [College of the Holy Cross]

**Factors Influencing the Costs and Benefits Associated with Communities Adjacent to Protected Areas in Northern Tanzania.** Lucy Harper [Whitman College]; Daniel Mahoney [University of Richmond]; Elaine Rickards [Gonzaga University]

*Principal Investigator: John Mwamhanga, M.S.*

**Assessment of Carbon Stocks and its Influence on Climactic Conditions of Bugar Forest, Karatu, Northern Tanzania.** Gunther Schlettler [Unity College]; Abigail Campbell [University of Massachusetts Amherst]

**Ethnomedicinal Plant Practices among Local People Surrounding Bugar Forest, Northern Tanzania: Use and Conservation.** Brenna Amundson [University of St. Thomas - Minnesota]

**Assessment of Cultural and Economical Ecosystem Services of the Lake Manyara Biosphere Reserve in Northern Tanzania.** Francha Dace [Emory University]

**The assessment of preferred firewood species and it's stoves in the Bugar community area, Karatu district northern Tanzania.** Riga Moettus [Whitman College]; Noah Bagley [Gonzaga University]

**Utilization of Forest Foods in the Bugar Forest, Northern Tanzania.** Victoria Moore [College of Charleston]; Anchalee Tantiviramanond [Grinnell College]

**Status of Bugar Community Forest in Karatu District, Northern Tanzania.** Claire Tellekson-Flash [University of Vermont]; Katherine Rupp [SUNY College of Environmental Science and Forestry]; Carla Schwartz [Smith College]; Julian Nesbitt [Santa Clara University]

## Turks and Caicos: SFS Center for Marine Resource Studies

The Center for Marine Resource Studies' Strategic Research Plan addresses the question: *How can SFS-CMRS support the government and South Caicos community to best manage the marine environment and resources to balance biodiversity conservation and economic sustainability?*

**Principal Investigator: Franziska Elmer, Ph.D.**

**A comparative study of *Scaridae* bioerosion rates and spatial differences in foraging of terminal phase *Scarus vetula* and *Sparisoma viride* between two coral reefs.** Nicholas Peoples [Duke University]

**Coral Reef Calcium Carbonate Assessments at the Arch reef site in South Caicos, TCI.** Marc Todd [Davidson College]; Rayane Vega-Perkins [University of San Diego]

**Measurements of fractal dimension and rugosity taken from 3D coral reef models show higher topographic complexity at 30 meters.** Abigail Dias [Whitman College]

**Investigating the effect of coral species diversity and dominant coral type on topographic complexity.** Kyra Jean Cipolla [Drew University]

**Sargassum sp. effect on near-shore seagrass beds in South Caicos, Turks and Caicos Islands.** Caitlin Reisa [University of Tampa]; Elizabeth Walker [St. Catherine University]

**Sargassum spp. Effects on *Thalassia testudinum* Epiphytes in the Turks and Caicos Islands.** Delaney Koch [Dickinson College]

**Assessment of variables effecting seagrass growth relative to floating and beached Sargassum.** Gregory Hoffer [Dickinson College]

**Principal Investigator: Paul Simonin, Ph.D.**

**The Effects of Hurricanes on Queen Conch (*Lobatus gigas*) Populations and Habitats around South Caicos, Turks and Caicos Islands, BWI.** Conner Pfister [Davidson College]

**Evaluation of a Caribbean marine reserve's role in managing the status of queen conch (*Lobatus gigas*).** Oliva Bruno and Karen Hoang [Dickinson College]

**Analysis of size classes of *Lobatus gigas*: relationship between sexually mature adults and juveniles in consecutive year in waters around South Caicos.** Katherine Parise [Dickinson College]

**Hurricane Intensity Affects Coral Reef Structure and Composition Around South Caicos.**

Annabelle Feist [Williams College]

**Characterization of Healthy Coral Reef Habitats for Adult Caribbean Spiny Lobsters in the**

**Turks and Caicos Islands.** Berfin Sagir [University of San Diego]; Noel Simms [Santa Clara University]

**The Abundance of *Panulirus argus*, Caribbean Spiny Lobster, Habitat at Various Depths in the**

**Turks and Caicos Islands.** Gabby Brown [Western Washington University]

*Principal Investigator: Courtney Pickett, M.P.A*

**Community Attitudes Towards Conservation on South Caicos and East Caicos.** Chloe Carothers-

Liske [Whitman College]; Alissa Miller-Gonzalez [Skidmore College]

**South Caicos Resident Perceptions of East Caicos Tourism Development.** Andrew Staley

[Denison University]; Issac Fournier [University of Puget Sound]

**Recreational Valuation of Ecosystem Services on South Caicos.** Kellie Nordquist [Wartburg

College]; Erika Roth [Oakton Community College]

## Index of Schools

<b>INSTITUTION</b>	<b>PAGE(S)</b>
Allegheny College.....	7
Barnard College.....	9
Bates College.....	4, 5, 6
Brandeis University.....	4, 5
Bucknell University.....	10
Carleton College.....	4, 9, 10
Clark University.....	9
Colby College.....	5, 11
College of Charleston.....	12
The College of the Holy Cross.....	3, 11
Colorado College.....	4, 6
Columbia University.....	10
Connecticut College.....	5
Dalhousie University (Canada).....	6
Davidson College.....	3, 4, 9, 13
Delaware Valley University.....	10
Dennison University.....	3, 7, 14
DePauw University.....	10
Dickinson College.....	3, 8, 11, 13
Drake University.....	10
Drew University.....	7, 13
Duke University.....	4, 13
Elizabethtown College.....	9
Emory University.....	12
Franklin & Marshall College.....	9
George Washington University.....	7
Gill St. Bernards.....	3

Gonzaga University.....	3, 7, 8, 9, 10, 12
Grinnell College.....	3, 9, 12
Hamilton College.....	6, 7
Johns Hopkins University.....	5
Kenyon College.....	11
Lawrence University.....	8
Loyola University Chicago.....	10
Mount Holyoke College.....	10, 11
Oakton Community College.....	14
Oberlin College.....	10
Occidental College.....	6
Oregon State University.....	11
Point Loma Nazarene University.....	5
Purdue University.....	11
Reed College.....	5, 6, 9
Saint Michael’s College.....	7
Salisbury University.....	6
Santa Clara University.....	3, 4, 5, 8, 11, 12, 13
Seattle Pacific University.....	10
Simon Fraser University (Canada).....	7
Skidmore College.....	3, 14
Smith College.....	6, 12
St. Catherine University.....	13
SUNY College of Environmental Science and Forestry.....	7, 12
Swarthmore College.....	9
Tufts University.....	3
Unity College.....	12
University of Denver.....	9, 13
University of Maryland.....	9
University of Massachusetts Amherst.....	5, 9, 12



University of Pittsburgh.....	7
University of Puget Sound.....	11, 14
University of Richmond.....	10, 11, 12
University of San Diego.....	11, 13
University of St. Thomas - Minnesota.....	7, 12
University of Tampa.....	13
University of Vermont.....	5, 6, 12
University of Wisconsin Madison.....	6, 9
Vassar College.....	10, 11
Wartburg College.....	14
Washington State University.....	9, 11
Wellesley College.....	5, 6, 7, 8
Western Washington University.....	14
Whitman College.....	6, 11, 12, 13, 14
Williams College.....	4, 11, 13